



**Sandra Blanco Benavente**

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## Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

B.1. Breve descripción del Trabajo de Fin de Grado (TFG) y puntuación obtenida **Trabajo de Fin de Grado (TFG): 'Despliegue automático de infraestructura y refactorización front-end de una aplicación legacy'**  
**Puntuación obtenida: 10.0 (MH)**

Actualmente, la importancia de poder prestar servicios escalables, de alta disponibilidad y que sean lo más eficientes y rápidos posibles es cada vez mayor, puesto que, gradualmente, ha habido un incremento de los usuarios que utilizan aplicaciones web en su día a día. Además, la construcción e implementación de aplicaciones web y, más concretamente, las interfaces de usuario han recibido una mayor atención en los últimos años, especialmente con el desarrollo de nuevas tecnologías, librerías, tendencias, entre otros, centradas en poder mejorar la experiencia de desarrollo.

Por ello, el Trabajo de Fin de Grado 'Despliegue automático de infraestructura y refactorización front-end de una aplicación legacy' aborda la planificación, desarrollo y conclusión durante el despliegue y refactorización de la aplicación Tutorchat, centrada en ayudar a niños y niñas en edad escolar a resolver problemas matemáticos sencillos por medio de un sistema chat.

En la práctica, se ha realizado la refactorización de una aplicación legacy (Tutorchat) implementada por medio de JSPs y Servlets a una nueva implementación por medio de la librería React.js en el front-end.

Por otro lado, se han desplegado tanto el back-end (Spring Boot), como front-end de Tutorchat, como aplicaciones requeridas por estos (Bases de datos, autenticación, etc.) en un clúster creado por medio de máquinas virtuales sobre las máquinas físicas aportadas por el laboratorio de investigación en el que se realiza el proyecto por medio de Kubernetes.



## General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

Total citations: 4648 (google scholar) (05/12/2023). Total publications: 34 original articles, 11 reviews and 8 book chapters. Total publications in first quartile Q1: 38, D1:26. 8 as corresponding author, 10 as first-author contribution. H index: 35 (google scholar), 32 (Scopus)



## Sandra Blanco Benavente

Surname(s): **Blanco Benavente**  
 Name: **Sandra**  
 ORCID: **0000-0001-7352-9392**  
 ScopusID: **7005518072**  
 ResearcherID: **B-2070-2017**  
 Personal web page: **<https://blancolab.csic.es/>**

### Current professional situation

**Employing entity:** Instituto de Investigación Biomédica de Salamanca IBSAL

**Professional category:** Investigador asociado **Educational Management (Yes/No):** No

**City employing entity:** Salamanca, Spain

**Start date:** 01/01/2020

**Type of contract:** Asociado

**Dedication regime:** Full time

**Primary (UNESCO code):** 240700 - Cell biology; 240900 - Genetics; 241099 - Other; 241500 - Molecular biology; 249000 - Neurosciences

**Performed tasks:** Study of the role of RNA post-transcriptional modifications and RNA processing in human physiology and its pathological impact in cancer, cancer stem cells, cancer self-renewal and cancer cell therapy resistance development.

**Identify key words:** Molecular mechanism of disease; Laboratory animals; Cell culture; Tissue culture; Genetically modified organisms

**Field of management activity:** Public Research Body

**Employing entity:** Instituto de Biología Molecular y Celular del Cáncer

**Professional category:** Científico Titular del CSIC **Educational Management (Yes/No):** No

**City employing entity:** Salamanca, Spain

**Start date:** 01/08/2018

**Type of contract:** Permanent employment contract

**Dedication regime:** Full time

**Primary (UNESCO code):** 240700 - Cell biology; 240900 - Genetics; 241099 - Other; 241500 - Molecular biology; 249000 - Neurosciences

**Performed tasks:** Study of the role of RNA post-transcriptional modifications and RNA processing in human physiology and its pathological impact in cancer, cancer stem cells, cancer self-renewal and cancer cell therapy resistance development.

**Identify key words:** Molecular mechanism of disease; Laboratory animals; Cell culture; Tissue culture; Genetically modified organisms

**Field of management activity:** University

### Previous positions and activities

	Employing entity	Professional category	Start date
1		Investigador Ramón y Cajal	01/09/2016

	Employing entity	Professional category	Start date
	CIC bioGUNE, Centro de Investigación Cooperativa en Biociencias		
2	University of Cambridge - Genetics Department	Senior Research Associate	01/06/2016
3	Wellcome Trust - MRC - Cambridge Stem Cell Institute	Research Associate	01/10/2010
4	Wellcome Trust - MRC Cambridge Stem Cell Institute	EMBO research fellow	01/09/2008
5	Wellcome Trust-Medical Research Council Stem Cell Institute	Ramón Areces Research Fellow	01/08/2007
6	Instituto de Biología Molecular y Celular del Cáncer de Salamanca	Ayudante de Investigación	01/07/2005
7	Instituto de Biología Molecular y Celular del Cáncer de Salamanca	PhD STUDENT (FPI)	01/07/2001
8	Instituto de Biología Molecular y Celular del Cáncer de Salamanca	PhD STUDENT (FPU)	01/04/2001
9	Instituto de Biología Molecular y Celular del Cáncer de Salamanca	INTERN STUDENT (LAST YEAR UNDERGRADUATE)	01/10/2000

**1** **Employing entity:** CIC bioGUNE, Centro de Investigación Cooperativa en Biociencias  
**Type of entity:** Innovation and Technology Centres  
**Professional category:** Investigador Ramón y Cajal  
**Start-End date:** 01/09/2016 - 30/09/2018  
**Type of contract:** Contrato Ramón y Cajal  
**Performed tasks:** Study of the role of tRNA post-transcriptional modifications and RNA processing in prostate cancer initiation and progression.

**2** **Employing entity:** University of Cambridge - Genetics Department  
**Department:** Genetics Department  
**Professional category:** Senior Research Associate  
**Start-End date:** 01/06/2016 - 30/08/2016  
**Type of contract:** Temporary employment contract  
**Performed tasks:** I studied the role of cytosine-5 RNA methylation in cancer stem cells. I found that tRNA cytosine-5 methylation in cancer stem cells is key to maintain their function, self-renewal and stress response by controlling mRNA translation programs. I found that tRNA methylation in cancer stem cells is crucial to respond well to stress and thus inhibition of methylation render stem cell death. The impact of those findings was the proposal of inhibitors of RNA methylases as novel and more efficient therapies to target specifically cancer stem cells. Those findings resulted in a first-author publication in Nature. I have studied also the pathological implications of the loss of tRNA m5C methylation in neural stem cells during embryo development and the pathological implications of the loss of tRNA m5C methylation in mitochondrial tRNA which result in mitochondrial related diseases in humans. The findings resulted in co-author publications in Nat Com and Stem Cell Reports. As a result of these pioneering work, I was invited to write two reviews on the topic: Curr Op in Oncology and Development. I was further invited to present my research in international conferences: EMBO conference The epitranscriptomics; SMBE Society Satellite meeting and Epigenomics: new marks, new horizons meeting and several institutions such as King's College London, Institute for Research in Biomedicine (IRB), Biophysics Institute-University of the Basque Country, MRC Scottish Centre for Regenerative Medicine – University of Edinburgh (UK), PEBC-IDIBELL. I have also trained 1 last-year undergraduate students (3 months).

**3**

**Employing entity:** Wellcome Trust - MRC - Cambridge Stem Cell Institute

**Type of entity:** University Centres and Structures and Associated Bodies

**Department:** Wellcome Trust - MRC - Cambridge Stem Cell Institute

**City employing entity:** Cambridge, United Kingdom

**Professional category:** Research Associate

**Start-End date:** 01/10/2010 - 31/05/2016

**Type of contract:** Temporary employment contract

**Performed tasks:** Working at the Wellcome Trust-Medical Research Council Cambridge Stem Cell Institute, in Dr. Michaela Frye's (P.I. and mentor) laboratory. During the last years I have been gaining more responsibilities such as managing larger teams of people involved in same or similar projects, attending to lab management and facilities meetings at the institute as a lab representative, teaching and supervising more students, interviewing post-doc or undergraduate and PhD students, peer-reviewing research articles, writing reviews or setting up collaborations and networking. I have carried out two research projects. In the first project I studied the role of cytosine-5 RNA methylation in neuro-development. To carry out this project I developed novel NGS methods to enable transcriptome-wide tRNA and Bisulphite-converted RNA sequencing to identify RNA m5C-methylation genome-wide leading to multiple collaborations. I managed a large team of people all collaborating in this project. From one undergraduate student (6 months), two PhD students (first and last year), and collaborations with two bioinformaticians, a Neuroscientist PI, a System Biology PI and his post-doc, a Professor in Chemistry (Germany) and his students, a clinician that provided the patient cells (US), a team of several researchers at the German Mouse Clinic among others. This led to the first report in the literature showing the role of RNA m5C-methylation in neuro-development in humans and mice. This was a first-author publication in EMBO J. I have studied how gene expression regulation at the translational level and regulation of protein translation rates and RNA m5C methylation influence tissue stem cells and cancer stem cells functions. That resulted in first-author Plos Genetics and EMBO J, and other co-author papers: Nat Cell Biology, JBC, EMBO J, MCB, Cell Reports, Genome Biology, I have also written two review papers (Curr Op Cell Bio and Journal of Neuroscience). I have been invited to present my research of the role of m5C RNA methylation in neuro-development in the Society for Neuroscience annual meeting 2014. I have also presented my work as selected talks in international conferences and internal symposiums. I have also trained 3 last-year undergraduate students (6 months and 1 year), 3 first-year PhD students (3 months).

**4** **Employing entity:** Wellcome Trust - MRC Cambridge Stem Cell Institute

**Professional category:** EMBO research fellow

**Start-End date:** 01/09/2008 - 30/09/2010

**Performed tasks:** As a Post-doctoral research fellow my duties involved writing project proposals and fellowship applications, research, writing scientific reports (for fellowships), scientific articles and student teaching and supervision. I worked at the Wellcome Trust-Medical Research Council Cambridge Stem Cell Institute in Dr. Michaela Frye's group (P.I.). I got funding for two years by EMBO. My research interest went on trying to understand cell biology cues such those of stem cells that replenish and maintain the homeostasis of a tissue, but can induce or promote cancer when deregulated. Because I was still interested in understanding molecular mechanisms that lead to diseases to finally find new therapeutic targets I became attracted in understanding new and unexplored cell signalling pathways. Therefore my research project involved finding the functional role of cytosine-5 RNA methylation in adult stem cells in mammals. Cytosine-5 DNA methylation was highly explored and its deregulation was clearly involved in human disease. And although cytosine-5 methylation in RNA was described at the same time as in DNA, its functional role was unknown.

**5** **Employing entity:** Wellcome Trust-Medical Research Council Stem Cell Institute

**Department:** Epidermal Stem Cell and RNA lab, Wellcome Trust-Medical Research Stem Cell Institute

**City employing entity:** Cambridge, East Anglia, United Kingdom

**Professional category:** Ramón Areces Research Fellow **Educational Management (Yes/No):** Yes



**Start-End date:** 01/08/2007 - 30/09/2008**Duration:** 3 years - 2 months**Type of contract:** Post-doctoral Fellowship**Dedication regime:** Full time**Primary (UNESCO code):** 240700 - Cell biology; 240900 - Genetics; 241000 - Human biology; 241500 - Molecular biology

**Performed tasks:** As a Post-doctoral research fellow my duties involved writing project proposals and fellowship applications, research, writing scientific reports (for fellowships), scientific articles and student teaching and supervision. I worked at the Wellcome Trust-Medical Research Council Cambridge Stem Cell Institute in Dr. Michaela Frye's group (P.I.). I got funding for one year by the Ramon Areces Foundation a My research interest went on trying to understand cell biology cues such those of stem cells that replenish and maintain the homeostasis of a tissue, but can induce or promote cancer when desregulated. Because I was still interested in understanding molecular mechanisms that lead to diseases to finally find new therapeutic targets I became attracted in understanding new and unexplored cell signalling pathways. Therefore my research project involved finding the functional role of cytosine-5 RNA methylation in adult stem cells in mammals. Cytosine-5 DNA methylation was highly explored and its desregulation was clearly involved in human disease. And although cytosine-5 methylation in RNA was described at the same time as in DNA, its functional role was unknown. I worked with mouse genetics and knock-out mouse models, primary cultures and stem cells and employed molecular biology and cell biology techniques. I identified that cytosine-5 RNA methylation poises stem cells to differentiate and its loss leads to tissue differentiation delays. My project also involved in two fruitful collaboration projects (Germany) to learn new techniques (Bisulphite sequencing of single transcripts by PCR). My research project led to the first report in the literature showing the role post-transcriptional modifications, specifically RNA m5C-metylation in stem cells; a first-author publication in PLoS Genetics. I also worked with other postdoctoral researches and PhD students examining the role of NSun2 in cell division, and germ cell differentiation, the role of the transcriptional repressor Sin3A and histone methyltransferase Set8 in skin stem cells, leading to co-author publications in JCB, MCB, Nature Cell Biology and EMBO J. I also presented my work as poster or selected talks in several international conferences such as EMBO conference, Gordon Research Conferences, the ISSCR meetings among other, and also University of Cambridge and EMBL symposiums, internal seminars and retreats. I gained skills such as networking for collaborations, grant or fellowship application writing, article writing and other organizational skills such as full management and supervision of a master student and a PhD student, or organizing scientific events such as the Institute retreat, for which we had to find funding, venue and speakers among other functions.

**Identify key words:** Molecular mechanism of disease; Laboratory animals; Cell culture; Tissue culture; Molecular, cellular and genetic biology**Field of management activity:** University

**Applicability in teaching and/or research:** During this time I taught and supervised a master thesis student (1 year and 3 months) and a first-year PhD student (3 months Wellcome Trust PhD programme in rotation). My teaching and supervision included introducing project background and advise on relevant additional literature and courses to be taken. Explain theory behind experimental approaches, demonstrate laboratory and supervise technical work, assist with data analysis and interpretation and provide feedback and corrections on experimental designs and scientific reports including master thesis, PhD scholarship applications and mock interviews.

**6 Employing entity:** Instituto de Biología Molecular **Type of entity:** University Research Institute y Celular del Cáncer de Salamanca

**Department:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca**City employing entity:** Salamanca, Castile and León, Spain**Professional category:** Ayudante de Investigación**Educational Management (Yes/No):** Yes**Start-End date:** 01/07/2005 - 30/06/2007**Duration:** 2 years**Type of contract:** Temporary employment contract**Dedication regime:** Full time**Primary (UNESCO code):** 240701 - Cell culture; 240702 - Cell genetics; 240705 - Tissue culture; 240900 - Genetics; 241000 - Human biology; 241500 - Molecular biology



**Performed tasks:** I finished my PhD at the Cancer Research Institute-University of Salamanca and I was employed by University of Salamanca or CSIC as a Research Assistant at Prof. P.A. Lazo's (P.I.) laboratory (Contrato de Titulado Superior). During this time my main duties were investigation. I finished up article corrections and successfully published two first-author papers. I also taught and supervised a first-year PhD student.

**Identify key words:** Molecular mechanism of disease; Cell culture; Tissue culture; Molecular, cellular and genetic biology

**Field of management activity:** University

**Applicability in teaching and/or research:** I also taught and supervised a first-year PhD student. I proposed a research project for a first year PhD student. I introduced the project background and advised on relevant additional literature, explained theory behind experimental approaches, demonstrated laboratory and supervised technical work, assisted with data analysis and interpretation and provided feedback on experimental designs.

**7 Employing entity:** Instituto de Biología Molecular **Type of entity:** University Research Institute y Celular del Cáncer de Salamanca

**Department:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca

**City employing entity:** Salamanca, Castile and León, Spain

**Professional category:** PhD STUDENT (FPI) **Educational Management (Yes/No):** Yes

**Start-End date:** 01/07/2001 - 30/06/2005 **Duration:** 4 years

**Type of contract:** FPI (FORMACION DE PERSONAL INVESTIGADOR) FELLOWSHIP FROM SPANISH MINISTRY OF RESEARCH AND SCIENCE

**Dedication regime:** Full time

**Primary (UNESCO code):** 240701 - Cell culture; 240702 - Cell genetics; 240705 - Tissue culture; 240900 - Genetics; 241000 - Human biology; 241500 - Molecular biology

**Performed tasks:** I continued my PhD at the Cancer Research Institute-University of Salamanca under the supervision of Prof. P.A. Lazo (P.I.), with a FPI (Formación de Personal Investigador) Fellowship awarded by the Spanish Ministry of Research and Science. As a PhD student my duties involved management of research projects and also I was involved in teaching and training new PhD students. During this time I was interested in finding the molecular mechanisms that lead to diseases such as cancer. For that I worked on the functional characterization of post-translational modifications, specifically in protein phosphorylation. I studied the role of a new human kinase in signalling pathways such as p53 and the consequences of Vrk2 deregulation in cancer and found potential new therapeutic targets for treating squamous cell carcinomas. This work led to a first author publication in FEBS J (2006). Later on I also investigated the role of Vrk2 in stress response pathways such as hypoxia, or the crosstalk with MAPK kinase pathways such as TAK1 and JNK. I described for the first time, that this family of kinases have other non-canonical activities independent of their kinase activity. They acted as scaffold proteins boosting and driven specific phosphorylation cascades. These led to two first-author publications, Mol Cell Bio (2007) and PLoS One (2008). I wrote and successfully defended my PhD thesis "Functional role of Vrk2 in p53 and Jnk signalling pathways". For these projects I worked with human tumour cell lines and I learnt multiple laboratory techniques such as cell and tissue culture, cloning, PCR, western blot, northern and southern blot, immunofluorescence, microscopy, kinase assay, and protein purification. During this time I also developed other skills such as scientific data analysis, data presentation, experimental design, preparation of scientific reports such as PhD fellowship applications, scientific articles and a PhD thesis. I also learnt to manage students and research projects from beginning to end. During this time also developed other skills such as preparation of powerpoint presentations and I learnt to write and present academic or scientific reports such as those written to apply for PhD fellowships.

**Identify key words:** Molecular mechanism of disease; Cell culture; Tissue culture; Molecular, cellular and genetic biology

**Field of management activity:** University

**Applicability in teaching and/or research:** My role as a student teacher and trainer in the lab involved different duties from explaining theory behind experimental approaches, demonstrate laboratory techniques and supervise technical work, assist with data analysis and interpretation and provide feedback on experimental designs. During this period I have taught and supervised 1 first year PhD students for one year each. And I have also taught and advised 6 PhD students during





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my PhD training. In 2005 I also got a Master in Pedagogic Ability or Spanish certificate for Teaching in High School (CAP). For which I attended to an on-line course and I trained as a secondary school teacher giving Biology lessons to first and final year students in Fernando de Rojas IES in Salamanca.

- 8** **Employing entity:** Instituto de Biología Molecular **Type of entity:** University Research Institute y Celular del Cáncer de Salamanca  
**City employing entity:** Salamanca, Castile and León, Spain  
**Professional category:** PhD STUDENT (FPU) **Educational Management (Yes/No):** No  
**Start-End date:** 01/04/2001 - 30/06/2001 **Duration:** 4 months  
**Type of contract:** FPU (FORMACION DE PROFESORADO UNIVERSITARIO) FELLOWSHIP FROM SPANISH MINISTRY OF EDUCATION AND CULTURE  
**Dedication regime:** Full time  
**Primary (UNESCO code):** 240701 - Cell culture; 240702 - Cell genetics; 240705 - Tissue culture; 240900 - Genetics; 241000 - Human biology; 241500 - Molecular biology  
**Performed tasks:** As a first year PhD student my main duties were writing PhD sholarchips applications, learning laboratory techniques and managing a research project. I did my PhD at the Cancer Research Institute-University of Salamanca under the supervision of Prof. P.A. Lazo (P.I.). I applied and got a FPU (Formacion de Profesorado Universitario) Fellowship awarded by the Spanish Ministry of Education and Culture. During this time I was interesteing in finding the molecular mechanisms of diseases such as cancer. For that I worked on the functional characterization of a new human kinase VRK2. I studied the role of this kinase in signalling pathways such as p53 and the consequences of Vrk2 desregualtion in cancer. For which I worked with human tumour cell lines and employed biochemical, molecular biology and cell biology approaches to examine the functional role of this enzyme. I learnt multiple laboratory techniques such as cell and tissue culture, cloning, PCR, western blot, northern and southern blot, immunofluorescence, microscopy, kinase assay, and protein purification. During this time also developed other skills such as preparation of powerpoint presentations and I learnt to write and present academic or scientific reports such as those written to apply for PhD fellowships.  
**Identify key words:** Molecular mechanism of disease; Cell culture; Tissue culture; Molecular, cellular and genetic biology  
**Field of management activity:** University  
**Applicability in teaching and/or research:** Research only
- 9** **Employing entity:** Instituto de Biología Molecular **Type of entity:** University Research Institute y Celular del Cáncer de Salamanca  
**City employing entity:** Salamanca, Castile and León, Spain  
**Professional category:** INTERN STUDENT **Educational Management (Yes/No):** No (LAST YEAR UNDERGRADUATE)  
**Start-End date:** 01/10/2000 - 31/12/2000 **Duration:** 3 months  
**Type of contract:** Initiation Research Scholarship for undergraduate students (CSIC)  
**Dedication regime:** Full time  
**Primary (UNESCO code):** 240700 - Cell biology; 240900 - Genetics; 241500 - Molecular biology  
**Performed tasks:** I did my three months internship right after finishing my degree on Biochemisty at the Cancer Research Institute-University of Salamanca (Spain) or Instituto de Biología Molecular y Celular del Cáncer, under Prof. P.A. Lazo (P.I.) supervision. My main duty was to received training and learn laboratory techniques and to successfully finish a short project. I was interested in finding the functional role of the tumor susceptibility gene TSG101 in membrane traffic. For which I worked with model organisms such as yeasts and mammal cell lines and learnt molecular and cellular biology techniques. That project was succesfully finished and led to a 1st author publication in FEMS Microbiology letters.  
**Identify key words:** Molecular, cellular and genetic biology  
**Field of management activity:** University  
**Applicability in teaching and/or research:** Research only



## Education

### University education

#### 1st and 2nd cycle studies and pre-Bologna degrees

- 1 University degree:** Master's degree  
**Name of qualification:** Máster o Diploma de Estudios Avanzados (DEA) en Microbiología y Genética Moleculares  
**Degree awarding entity:** Universidad de Salamanca **Type of entity:** University  
**Date of qualification:** 15/07/2002
- 2 University degree:** Higher degree  
**Name of qualification:** Licenciatura en Bioquímica  
**City degree awarding entity:** Salamanca, Castile and León, Spain  
**Degree awarding entity:** Universidad de Salamanca **Type of entity:** University  
**Date of qualification:** 30/06/2000  
**Average mark:** Outstanding
- 3 University degree:** Higher degree  
**Name of qualification:** Licenciatura en Biología (primer ciclo)  
**City degree awarding entity:** Salamanca, Castile and León, Spain  
**Degree awarding entity:** Universidad de Salamanca **Type of entity:** University  
**Date of qualification:** 30/06/1998  
**Average mark:** Outstanding

#### Doctorates

**Doctorate programme:** Microbiología y Genética Moleculares  
**Degree awarding entity:** Universidad de Salamanca **Type of entity:** University  
**City degree awarding entity:** Salamanca, Castile and León, Spain  
**Date of degree:** 09/06/2006  
**DEA awarding entity:** Universidad de Salamanca  
**Thesis title:** Integración de la función de VRK2 en las rutas de señalización de JNK y p53  
**Thesis director:** Pedro A Lazo-Zbikowski Taracena  
**Obtained qualification:** Sobresaliente Cum Laude

**Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)**

- 1** **Type of training:** Course  
**Training title:** Comunicacion de alto impacto  
**Awarding entity:** Quid Qualitas and ASEICA  
**End date:** 21/11/2022 **Duration in hours:** 4 hours
- 2** **Type of training:** Course  
**Training title:** Lab Management  
**Awarding entity:** The papermill and ASEICA/CIBERONC  
**End date:** 14/12/2021 **Duration in hours:** 12 hours
- 3** **Type of training:** Course  
**Training title:** Motivation Skills  
**Awarding entity:** QuickQualitas and ASEICA/CIBERONC  
**End date:** 04/03/2021 **Duration in hours:** 4 hours
- 4** **Type of training:** Course  
**Training title:** Leadership  
**Awarding entity:** QuickQualitas and ASEICA/CIBERONC  
**End date:** 20/01/2021 **Duration in hours:** 4 hours
- 5** **Training title:** Curson de Iniciación al CSIC  
**Awarding entity:** CSIC  
**End date:** 21/11/2018 **Duration in hours:** 16 hours
- 6** **Training title:** Training course in Laboratory Animal Course, levels B, C and D  
**Awarding entity:** ANIMALARIA  
**End date:** 30/11/2016
- 7** **Training title:** EnterpriseWISE Cambridge: Making WISE women more enterprising  
**Awarding entity:** The Centre for Entrepreneurial Learning (CfEL) - University of Cambridge  
**End date:** 15/04/2015 **Duration in hours:** 64 hours
- 8** **Training title:** Networking skills  
**Awarding entity:** University of Cambridge  
**End date:** 20/05/2013 **Type of entity:** University  
**Duration in hours:** 4 hours
- 9** **Training title:** Negotiation Skills Training  
**Awarding entity:** University of Cambridge  
**End date:** 20/02/2013 **Type of entity:** University  
**Duration in hours:** 4 hours
- 10** **Training title:** Project Management  
**Awarding entity:** University of Cambridge  
**End date:** 30/10/2012 **Duration in hours:** 12 hours



- 11 Training title:** Assertiveness in management  
**Awarding entity:** University of Cambridge  
**End date:** 10/02/2012  
**Type of entity:** University  
**Duration in hours:** 4 hours
- 12 Training title:** Conflict Resolution  
**Awarding entity:** University of Cambridge  
**End date:** 20/01/2012  
**Duration in hours:** 4 hours
- 13 Type of training:** Course  
**Training title:** Lab management course for Junior PIs  
**City awarding entity:** Ware, United Kingdom  
**Awarding entity:** European Molecular Biology Organisation (EMBO)  
**Aims of the entity:** Funding for Investigation  
**End date:** 12/10/2011  
**Type of entity:** Public Research Body  
**Duration in hours:** 40 hours
- 14 Training title:** Management of Technology and Innovation  
**Awarding entity:** University of Cambridge  
**End date:** 30/03/2011  
**Duration in hours:** 12 hours

### Attended advanced, improvement and innovative teacher training and new technology courses and seminars focused on improving teaching

**Title of course/seminar:** Certificado de Aptitud Pedagógica (CAP)  
**Goals of the course/seminar:** Master in undergraduate teaching  
**Organising entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Duration in hours:** 300 hours  
**Start-End date:** 01/09/2004 - 30/06/2005

### Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French	A1	A1	A1	A1	A1
English	C2	C2	C2	C2	C2
Spanish	C2	C2	C2	C2	C2

## Teaching experience

### Experience supervising doctoral thesis and/or final year projects

- 1 Project title:** Identification of critical 6-methyladenosine regulators as malignant prognosis factors in prostate adenocarcinoma.  
**Type of project:** Doctoral thesis  
**Entity:** USAL - ICentro de Investigación del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Student:** Óscar Monteagudo García



**Date of reading:** 30/06/2026

- 2** **Project title:** Regulation of tumour immune microenvironment by epitranscriptomic regulators  
**Type of project:** Doctoral thesis  
**Entity:** USAL - Centro de Investigación del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Student:** Ana Macrina Añazco Guenkova  
**Date of reading:** 30/06/2025
- 3** **Project title:** Upstream regulation of RNA modifying enzymes  
**Type of project:** Doctoral thesis  
**Entity:** USAL - Centro de Investigación del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Student:** Aurora Campos Díaz  
**Date of reading:** 30/06/2025
- 4** **Project title:** Role of m7G RNA methylation in metastasis  
**Type of project:** Doctoral thesis  
**Entity:** USAL - Centro de Investigación del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Student:** Borja Miguel López  
**Date of reading:** 30/06/2024
- 5** **Project title:** Role of aberrant deposition of 5-methylcytosine in ribosomal RNA cancer.  
**Type of project:** Doctoral thesis  
**Entity:** USAL - Centro de Investigación del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Student:** Judith López Luis  
**Date of reading:** 30/10/2023
- 6** **Project title:** Guanosine-7 tRNA methylation regulates Prostate Cancer progression through protein reprogramming via tRNA-derived fragments biogenesis  
**Type of project:** Doctoral thesis  
**Entity:** USAL - Centro de Investigación del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Student:** Raquel García Vílchez  
**Obtained qualification:** Sobresaliente Cum Laude  
**Date of reading:** 27/01/2023
- 7** **Project title:** Role of aberrant methylation of tRNAs in the tumour microenvironment.  
**Type of project:** Master  
**Entity:** USAL - Centro de Investigación del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Student:** Barbara Castellano García  
**Date of reading:** 30/06/2022
- 8** **Project title:** iCLIP data analysis  
**Type of project:** End of course project  
**Entity:** USAL  
**City of entity:** Salamanca, Spain  
**Student:** Jose Antonio Sánchez Castro



**Date of reading:** 30/07/2021

- 9** **Project title:** Identification of critical epitranscriptomic regulators as malignant prognosis factors in prostate adenocarcinoma.  
**Type of project:** Fin de master  
**Entity:** USAL - Centro de Investigación del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Student:** Oscar Monteagudo García  
**Date of reading:** 30/07/2021
- 10** **Project title:** Functional role of METTL1 RNA methylase in senescence-associated secretory phenotype induction  
**Type of project:** Máster  
**Entity:** USAL - Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Student:** Ana Macrina Añazco Guenkova  
**Obtained qualification:** Sobresaliente - Premio mejor TFM  
**Date of reading:** 30/06/2020
- 11** **Project title:** Regulation of METTL1 by PI3K signaling pathway  
**Type of project:** Trabajo Fin de Grado  
**Entity:** Universidad de Salamanca  
**City of entity:** Salamanca, Spain  
**Student:** Víctor Frutos  
**Date of reading:** 30/06/2020
- 12** **Project title:** Role of cytosine-5 methylation of RNA in Prostate Cancer  
**Type of project:** Máster  
**Entity:** USAL - Centro de Investigación del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Student:** Judith Lopez Luis  
**Obtained qualification:** Sobresaliente - Premio mejor TFM  
**Date of reading:** 30/06/2019
- 13** **Project title:** Development of RNA 7-methylguanosine methylation detection tools  
**Type of project:** Master degree  
**Entity:** University of Trento/ CIC bioGUNE  
**City of entity:** Bilbao, Spain  
**Student:** Silvia D'Ambrosi  
**Date of reading:** 31/12/2017  
**Date of award:** 31/12/2017  
**Type of entity:** University Centres and Structures and Associated Bodies
- 14** **Project title:** Development of tools for RNA methylase inhibitors screening  
**Type of project:** End of course project  
**Entity:** University of Cambridge  
**City of entity:** Cambrigde, United Kingdom  
**Student:** Afnan Abdultawab  
**Date of reading:** 31/07/2016





- 15** **Project title:** Role of NSUN2 in cellular stress  
**Type of project:** End of course project  
**Entity:** University of Cambridge/ University of Barcelona  
**City of entity:** Cambridge, United Kingdom  
**Student:** Rosana Cortes Garrido  
**Date of reading:** 31/07/2015
- 16** **Project title:** Cellular stress in the presence and absence of NSUN2-mediated RNA methylation  
**Type of project:** First year PhD Student rotation (3 months)  
**Co-director of thesis:** Michaela Frye  
**Entity:** University of Cambridge  
**City of entity:** Cambridge, United Kingdom  
**Student:** Martyna Popis  
**Date of reading:** 18/12/2012
- 17** **Project title:** Role of NSUN2 in cellular stress  
**Type of project:** End of course project  
**Entity:** University of Cambridge/ University of Paris Sud  
**City of entity:** Cambridge, United Kingdom  
**Student:** Lucas Trepas  
**Date of reading:** 31/03/2012
- 18** **Project title:** Role of NSUN2 in tumour initiation  
**Type of project:** First year PhD Student rotation (3 months)  
**Co-director of thesis:** Michaela Frye  
**Entity:** University of Cambridge  
**City of entity:** Cambridge, United Kingdom  
**Student:** Hinal Tanna  
**Date of reading:** 12/06/2011
- 19** **Project title:** Intellectual disability Syndrome-Related Single Mutation G679R Affects the Localisation of the RNA Methyltransferase Misu  
**Type of project:** End of course project  
**Entity:** University of Cambridge  
**City of entity:** Cambridge, United Kingdom  
**Student:** Claire Simon  
**Date of reading:** 31/03/2011  
**Type of entity:** University
- 20** **Project title:** Role of NSUN2 in neural differentiation and disease.  
**Type of project:** First year PhD Student rotation (3 months)  
**Co-director of thesis:** Michaela Frye  
**Entity:** University of Cambridge  
**City of entity:** Cambridge, United Kingdom  
**Student:** Joana Flores  
**Date of reading:** 31/03/2011
- 21** **Project title:** In vitro growth of embryonic epidermis and RNA segregation during mitosis of epidermal cells  
**Type of project:** First year PhD Student rotation (3 months)  
**Co-director of thesis:** Michaela Frye  
**Entity:** University of Cambridge  
**City of entity:** Cambridge, United Kingdom



**Student:** Robert Fordham  
**Date of reading:** 18/12/2010

- 22** **Project title:** Role of the RNA methyltransferase Misu (NSUN2) in skin homeostasis and skin tumorigenesis  
**Type of project:** End of course project  
**Co-director of thesis:** Michaela Frye  
**Entity:** University of Cambridge/ Gorthe University of Frankfurt  
**Type of entity:** University  
**City of entity:** Cambridge, United Kingdom  
**Student:** Agata Kurowski  
**Date of reading:** 30/09/2010

## Student tutorials

- 1** **Name of the programme:** MSc Biology and Clinic of Cancer  
**Entity:** Universidad del Salamanca - Cancer Research Centre  
**Type of entity:** University  
**City of entity:** Salamanca, Castile and León, Spain  
**Number of recognized hours/ECTS credits:** 75  
**Number of tutored students:** 20
- 2** **Name of the programme:** MSc in Molecular Biology and Biomedicine  
**Entity:** Universidad del País Vasco  
**Type of entity:** University  
**City of entity:** Bilbao, Basque Country, Spain  
**Number of recognized hours/ECTS credits:** 4  
**Frequency of the activity:** 2  
**Number of tutored students:** 20
- 3** **Name of the programme:** MSc in Molecular and Cellular Biology  
**Entity:** Universidad del Salamanca Biochemistry Department  
**City of entity:** Salamanca, Castile and León, Spain  
**Number of recognized hours/ECTS credits:** 4  
**Number of tutored students:** 20
- 4** **Name of the programme:** Master in Lifelong well-being and healthy ageing  
**Entity:** European Campus of City Universities  
**Type of entity:** University  
**City of entity:** Salamanca, Castile and León, Spain  
**Number of recognized hours/ECTS credits:** 75  
**Number of tutored students:** 5
- 5** **Name of the programme:** Master's Program in Cancer Biology  
**Entity:** Coimbra Life Sciences Group  
**City of entity:** Salamanca, Castile and León, Spain  
**Number of recognized hours/ECTS credits:** 75  
**Number of tutored students:** 5



## Scientific and technological experience

### Scientific or technological activities

#### R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** TRANSLACORE Cost Action - CA21154 - Translational control in Cancer European Network  
**Geographical area:** National  
**Degree of contribution:** Miembro  
**Name principal investigator (PI, Co-PI....):** Sandra Blanco  
**Nº of researchers:** 200  
**Type of participation:** Team member  
**Name of the programme:** HORIZON Europe  
**Start-End date:** 04/10/2022 - 03/10/2026  
**Dedication regime:** Full time
- 2** **Name of the project:** PID2022-139598OB-I00. Dilucidando el potencial oncogénico del metiloma m7G de ARNt que regula la traducción en tumores sólidos (Onco-tRNA)  
**Geographical area:** National  
**Degree of contribution:** Scientific coordinator  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**Type of entity:** University Research Institute  
**City of entity:** Salamanca, Spain  
**Name principal investigator (PI, Co-PI....):** Sandra Blanco  
**Nº of researchers:** 6  
**Type of participation:** Principal investigator  
**Name of the programme:** MICINN  
**Start-End date:** 01/10/2023 - 30/09/2026  
**Duration:** 3 years  
**Total amount:** 287.500 €  
**Dedication regime:** Full time
- 3** **Name of the project:** Predoctoral contract-fellowship Conserjería de Educación Junta Castilla y León  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**Type of entity:** University Research Institute  
**Name principal investigator (PI, Co-PI....):** Oscar Monteagudo García  
**Start-End date:** 01/02/2023 - 31/01/2026
- 4** **Name of the project:** University of Salamanca-Santander predoctoral contract-fellowship  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**Type of entity:** University Research Institute  
**Name principal investigator (PI, Co-PI....):** Ana M Añazco Guenkova  
**Start-End date:** 16/06/2021 - 30/06/2025



- 5** **Name of the project:** Predoctoral contract-fellowship Conserjería de Educación Junta Castilla y León  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca **Type of entity:** University Research Institute  
**Name principal investigator (PI, Co-PI....):** Borja Miguel Lopez  
**Start-End date:** 01/08/2020 - 31/07/2024
- 6** **Name of the project:** CIRA-2020-78. Using the epitranscriptome of non-coding RNAs to improve human epidermal stem cell therapeuticsCSI264P20. Manipulación de la estabilidad genómica como estrategia de letalidad sintética en oncología  
**Geographical area:** Regional  
**Degree of contribution:** Researcher  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca **Type of entity:** University Research Institute  
**City of entity:** Salamanca, Spain  
**Name principal investigator (PI, Co-PI....):** Abdulrahim Abdulrahman Sajini; Sandra Blanco  
**Nº of researchers:** 2  
**Type of participation:** Team member  
**Name of the programme:** Competitive Internal Research Award 2020 Khalifa University  
**Start-End date:** 01/07/2020 - 31/12/2023 **Duration:** 3 years  
**Total amount:** 70.000 € **Sub-project amount:** 70.000 €  
**Dedication regime:** Part time
- 7** **Name of the project:** FPU predoctoral contract-fellowship FPU19/01190  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca **Type of entity:** University Research Institute  
**Name principal investigator (PI, Co-PI....):** 1  
**Start-End date:** 01/10/2020 - 30/11/2023
- 8** **Name of the project:** PID2019-111692RB-I00. Papel de la epitranscriptómica y su implicación en la metástasis y la respuesta inmune en cáncer.  
**Geographical area:** National  
**Degree of contribution:** Scientific coordinator  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca **Type of entity:** University Research Institute  
**City of entity:** Salamanca, Spain  
**Name principal investigator (PI, Co-PI....):** Sandra Blanco  
**Nº of researchers:** 6  
**Type of participation:** Principal investigator  
**Name of the programme:** MICINN  
**Start-End date:** 01/06/2020 - 30/11/2023 **Duration:** 3 years  
**Total amount:** 217.000 €  
**Dedication regime:** Full time
- 9** **Name of the project:** PRDSA19002LÓPE. AECC Foundation predoctoral contract-fellowship  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca **Type of entity:** University Research Institute  
**Name principal investigator (PI, Co-PI....):** Judith Lopez Luis



**Start-End date:** 01/01/2020 - 30/11/2023

- 10 Name of the project:** Manipulación de la estabilidad genómica como estrategia de letalidad sintética en oncología  
**Geographical area:** Regional  
**Degree of contribution:** Researcher  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Name principal investigator (PI, Co-PI...):** Pedro A Lazo-Zbikowski Taracena; Sandra Blanco Benavente; Rogelio González Sarmiento; Juan Jesús Cruz Hernandez  
**Nº of researchers:** 4  
**Type of participation:** Team member  
**Name of the programme:** Junta de Castilla y León  
**Code according to the funding entity:** CSI264P20  
**Start-End date:** 07/11/2020 - 31/10/2023  
**Total amount:** 176.000 €  
**Dedication regime:** Part time  
**Type of entity:** University Research Institute  
**Duration:** 3 years  
**Sub-project amount:** 176.000 €
- 11 Name of the project:** Post-transcriptionally modified RNAs as regulators of growth and survival in cancer.  
**Geographical area:** National  
**Degree of contribution:** Scientific coordinator  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Name principal investigator (PI, Co-PI...):** Sandra Blanco  
**Nº of researchers:** 5  
**Type of participation:** Principal investigator  
**Name of the programme:** Fundación Científica AECC  
**Code according to the funding entity:** LABAE19040BLAN  
**Start-End date:** 01/11/2019 - 31/07/2023  
**Total amount:** 300.000 €  
**Dedication regime:** Full time  
**Type of entity:** University Research Institute  
**Duration:** 3 years
- 12 Name of the project:** Identificación de mecanismos epitranscriptómicos que regulan la respuesta inmunitaria tumoral a nivel de célula única  
**Geographical area:** National  
**Degree of contribution:** Scientific coordinator  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Name principal investigator (PI, Co-PI...):** Sandra Blanco  
**Nº of researchers:** 3  
**Type of participation:** Principal investigator  
**Name of the programme:** Fundación BBVA  
**Code according to the funding entity:** IN[21]\_BBM\_BAS\_0144  
**Start-End date:** 01/07/2021 - 30/06/2023  
**Total amount:** 40.000 €  
**Dedication regime:** Full time  
**Type of entity:** University Research Institute  
**Duration:** 2 years



- 13** **Name of the project:** Juan de la Cierva-Formacion postdoc fellowship-contract (ref: FJC2018-038723-I)  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**Type of entity:** University Research Institute  
**Name principal investigator (PI, Co-PI....):** Domenico Rosace  
**Start-End date:** 01/11/2020 - 31/10/2022
- 14** **Name of the project:** RED2018-102769-T. Red temática de Mecanismos Moleculares del Cáncer Urológico (URONCOMOL)  
**Geographical area:** National  
**Degree of contribution:** Researcher  
**Name principal investigator (PI, Co-PI....):** Sandra Blanco  
**Nº of researchers:** 20  
**Type of participation:** Principal investigator  
**Name of the programme:** MICINN  
**Start-End date:** 04/10/2020 - 31/10/2022  
**Total amount:** 20.000 €  
**Dedication regime:** Full time
- 15** **Name of the project:** Predoctoral contract-fellowshipFPI. Ref: BES-2017-080530.  
**Geographical area:** National  
**Degree of contribution:** Scientific coordinator  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**Type of entity:** University Research Institute  
**City of entity:** Salamanca, Spain  
**Name principal investigator (PI, Co-PI....):** Raquel García  
**Nº of researchers:** 1  
**Type of participation:** Principal investigator  
**Name of the programme:** MINECO Plan Nacional Retos Salud  
**Code according to the funding entity:** BES-2017-080530  
**Start-End date:** 01/09/2018 - 31/08/2022  
**Duration:** 3 years  
**Total amount:** 42.000 €  
**Dedication regime:** Full time
- 16** **Name of the project:** FS/36-2020. Alteraciones en los patrones de pseudouridilación de ARN en cáncer de próstata.  
**Geographical area:** Regional  
**Degree of contribution:** Scientific coordinator  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**Type of entity:** University Research Institute  
**City of entity:** Salamanca, Spain  
**Name principal investigator (PI, Co-PI....):** Paz Nombela; Sandra Blanco; Oscar Monteagudo  
**Nº of researchers:** 3  
**Type of participation:** Principal investigator  
**Name of the programme:** Ayudas a la investigación fundación memoria de Samuel Solorzano Barruso  
**Start-End date:** 01/01/2021 - 31/12/2021  
**Duration:** 1 year  
**Total amount:** 1.854 €  
**Dedication regime:** Full time





- 17** **Name of the project:** EPITRAN Cost Action CA16120 - European Epitranscriptomics Network  
**Geographical area:** National  
**Degree of contribution:** Miembro  
**Name principal investigator (PI, Co-PI....):** Sandra Blanco  
**Nº of researchers:** 200  
**Type of participation:** Team member  
**Name of the programme:** HORIZON 2020  
**Start-End date:** 01/10/2017 - 31/12/2021  
**Dedication regime:** Full time
- 18** **Name of the project:** Identification of epitranscriptomic mechanisms that regulate the tumor immune response at the single cell level  
**Geographical area:** 10x Genomics Core grant  
**Degree of contribution:** Scientific coordinator  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Name principal investigator (PI, Co-PI....):** Sandra Blanco  
**Nº of researchers:** 3  
**Type of participation:** Principal investigator  
**Name of the programme:** 10x Genomics  
**Start-End date:** 01/04/2021 - 30/09/2021  
**Total amount:** 11.000 €  
**Dedication regime:** Full time  
**Type of entity:** University Research Institute  
**Duration:** 6 months
- 19** **Name of the project:** Evaluación de los procesos postranscripcionales que regulan procesos de auto-renovación en células madre de cáncer de próstata  
**Geographical area:** National  
**Degree of contribution:** Scientific coordinator  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Name principal investigator (PI, Co-PI....):** Sandra Blanco Benavente; Raquel García Vílchez; Judith Lopez Luis  
**Nº of researchers:** 3  
**Type of participation:** Principal investigator  
**Name of the programme:** Proteored ISCIII  
**Start-End date:** 01/07/2020 - 30/06/2021  
**Total amount:** 5.000 €  
**Dedication regime:** Full time  
**Type of entity:** University Research Institute  
**Duration:** 1 year
- 20** **Name of the project:** FS/25-2019: Papel funcional de las modificaciones post-transcripcionales ribosómicas en cáncer de próstata (FS/21-2018)  
**Geographical area:** Regional  
**Degree of contribution:** Scientific coordinator  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**City of entity:** Salamanca, Spain  
**Name principal investigator (PI, Co-PI....):** Domenico Rosace; Ana Añazco; Victor Frutos  
**Type of entity:** University Research Institute



**Nº of researchers:** 3

**Type of participation:** Principal investigator

**Name of the programme:** Ayudas a la investigación fundación memoria de Samuel Solorzano Barruso

**Start-End date:** 01/01/2020 - 31/12/2020

**Duration:** 1 year

**Total amount:** 1.721 €

**Dedication regime:** Full time

- 21** **Name of the project:** FS/21-2018. Alteración en patrones de metilación citosina-5 en cáncer de próstata (FS/21-2018)
- Geographical area:** Regional
- Degree of contribution:** Scientific coordinator
- Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca
- Type of entity:** University Research Institute
- City of entity:** Salamanca, Spain
- Name principal investigator (PI, Co-PI....):** Sandra Blanco Benavente; Raquel García Vílchez; Judith Luis López
- Nº of researchers:** 3
- Type of participation:** Principal investigator
- Name of the programme:** Ayudas a la investigación fundación memoria de Samuel Solorzano Barruso
- Code according to the funding entity:** FS/21-2018
- Start-End date:** 01/01/2019 - 31/12/2019
- Duration:** 1 year
- Total amount:** 1.473 €
- Dedication regime:** Full time
- 22** **Name of the project:** SAF2016-78667-R. Post-transcriptional modifications and processing of RNA in cancer stem cells
- Geographical area:** National
- Degree of contribution:** Scientific coordinator
- Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca
- Type of entity:** University Research Institute
- City of entity:** Salamanca, Spain
- Name principal investigator (PI, Co-PI....):** Sandra Blanco
- Nº of researchers:** 3
- Type of participation:** Principal investigator
- Name of the programme:** MINECO Plan Nacional Retos Salud
- Code according to the funding entity:** SAF2016-78667-R
- Start-End date:** 01/01/2017 - 31/12/2019
- Duration:** 3 years
- Total amount:** 168.000 €
- Dedication regime:** Full time
- 23** **Name of the project:** C10701/A15181. Cytosine-5 RNA methylation in normal and cancer stem cells
- Geographical area:** National
- Degree of contribution:** Researcher
- Entity where project took place:** Wellcome Trust - Medical Research Council Stem Cell Institute - University of Cambridge
- Type of entity:** University Research Institute
- City of entity:** Cambridge, United Kingdom
- Name principal investigator (PI, Co-PI....):** Michaela Frye; Sandra Blanco
- Type of participation:** Team member
- Name of the programme:** CR-UK Senior Fellowship



**Code according to the funding entity:** C10701/A15181  
**Start-End date:** 01/02/2013 - 31/01/2019      **Duration:** 6 years  
**Total amount:** 2.526.562 €  
**Dedication regime:** Full time

**24** **Name of the project:** RYC-2014-16550. Function of post-transcriptional modifications in tissue maintenance and t in diseases

**Geographical area:** National  
**Degree of contribution:** Scientific coordinator  
**Entity where project took place:** CIC bioGUNE,      **Type of entity:** Innovation and Technology Centres  
Centro de Investigación Cooperativa en Biociencias  
**City of entity:** Bilbao, Spain  
**Name principal investigator (PI, Co-PI....):** Sandra Blanco  
**Nº of researchers:** 1  
**Type of participation:** Principal investigator  
**Name of the programme:** Ramón y Cajal  
**Code according to the funding entity:** RYC-2014-16550  
**Start-End date:** 01/09/2016 - 31/07/2018      **Duration:** 5 years  
**Total amount:** 200.000 €  
**Dedication regime:** Full time

**25** **Name of the project:** C10701/A006. Functional analyses of the proto-oncogene Myc in adult epidermal stem cell self-renewal and differentiation.

**Geographical area:** National  
**Degree of contribution:** Researcher  
**Entity where project took place:** Wellcome Trust      **Type of entity:** University Research Institute  
- Medical Research Council Stem Cell Institute -  
University of Cambridge  
**City of entity:** Cambridge, United Kingdom  
**Name principal investigator (PI, Co-PI....):** Michaela Frye; Sandra Blanco  
**Funding entity or bodies:**  
Cancer Research Uk      **Type of entity:** Foundation  
**Type of participation:** Team member  
**Name of the programme:** CR-UK Career Development Fellowship  
**Start-End date:** 01/02/2007 - 31/01/2013      **Duration:** 6 years  
**Total amount:** 1.680.000 €  
**Dedication regime:** Full time

**26** **Name of the project:** Nuevo mecanismo de control de estabilidad génica en células madre adultas y tumorales por quinasas VRK.

**Type of project:** Research and development,      **Geographical area:** Regional  
including transfer  
**Degree of contribution:** Researcher  
**Entity where project took place:** Instituto de      **Type of entity:** University Research Institute  
Biología Molecular y Celular del Cáncer de  
Salamanca  
**Name principal investigator (PI, Co-PI....):** Pedro A. Lazo-Zbikowski; Sandra Blanco  
**Name of the programme:** Federación Cajas de Ahorro de Castilla y León  
**Start-End date:** 01/01/2007 - 31/12/2008      **Duration:** 2 years  
**Total amount:** 100.000 €  
**Dedication regime:** Full time



- 27** **Name of the project:** SAF2004-02900. Caracterización de las quinasas VRK: nuevas serina-treonina quinasas en biología tumoral  
**Type of project:** Research and development, including transfer  
**Degree of contribution:** Researcher  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**Name principal investigator (PI, Co-PI....):** Pedro A. Lazo-Zbikowski; Sandra Blanco  
**Name of the programme:** Ministerio de Educación y Ciencia (SAF2004-02900)  
**Start-End date:** 01/01/2005 - 31/12/2007  
**Duration:** 3 years  
**Total amount:** 220.200 €  
**Dedication regime:** Full time  
**Geographical area:** National  
**Type of entity:** University Research Institute
- 28** **Name of the project:** CSI05A05. Efecto de la quinasas VRK1 sobre las rutas de respuesta a estrés genotóxico en células humanas  
**Type of project:** Research and development, including transfer  
**Degree of contribution:** Researcher  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**Name principal investigator (PI, Co-PI....):** Pedro A. Lazo-Zbikowski; Sandra Blanco  
**Name of the programme:** Junta de Castilla y León (CSI05A05)  
**Start-End date:** 01/01/2005 - 31/12/2006  
**Duration:** 2 years  
**Total amount:** 9.000 €  
**Dedication regime:** Full time  
**Geographical area:** Regional  
**Type of entity:** University Research Institute
- 29** **Name of the project:** Nuevas quinasas humanas reguladoras de la función de BRCA1 y sus implicaciones oncológicas  
**Type of project:** Research and development, including transfer  
**Degree of contribution:** Researcher  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**Name principal investigator (PI, Co-PI....):** Pedro A. Lazo-Zbikowski; Sandra Blanco  
**Name of the programme:** Fundación de Investigación Médica MM (Mutua Madrileña)  
**Start-End date:** 01/01/2004 - 31/12/2006  
**Duration:** 3 years  
**Total amount:** 50.000 €  
**Dedication regime:** Full time  
**Geographical area:** National  
**Type of entity:** University Research Institute
- 30** **Name of the project:** SAN/1052/SA04/05. Evaluación del valor pronóstico de la quinasas VRK en linfomas y su potencial terapéutico  
**Type of project:** Research and development, including transfer  
**Degree of contribution:** Researcher  
**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca  
**Name principal investigator (PI, Co-PI....):** Pedro A. Lazo-Zbikowski; Sandra Blanco  
**Name of the programme:** Consejería de Sanidad de Junta de Castilla y León (SAN/1052/SA04/05)  
**Geographical area:** Regional  
**Type of entity:** University Research Institute



**Start-End date:** 01/01/2005 - 31/12/2005

**Duration:** 1 year

**Total amount:** 6.010 €

**Dedication regime:** Full time

**31 Name of the project:** PI020585. Nuevas quinasas implicadas en la respuesta al daño genotóxico mediado por p53, jun y BRCA1 (PI020585)

**Type of project:** Research and development, including transfer

**Geographical area:** National

**Degree of contribution:** Researcher

**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** Pedro A. Lazo-Zbikowski; Sandra Blanco

**Name of the programme:** Fondo de Investigación Sanitaria (PI020585)

**Start-End date:** 01/01/2003 - 31/12/2005

**Duration:** 3 years

**Total amount:** 147.200 €

**Dedication regime:** Full time

**32 Name of the project:** Expresión de los antígenos tetraspanin en la diferenciación linfocitaria y en linfomas B humanos

**Type of project:** Research and development, including transfer

**Geographical area:** Regional

**Degree of contribution:** Researcher

**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** Pedro A. Lazo-Zbikowski; Sandra Blanco

**Name of the programme:** Fundación Memoria D. Manuel Solórzano Barruso

**Start-End date:** 01/01/2004 - 31/12/2004

**Duration:** 1 year

**Total amount:** 6.500 €

**Dedication regime:** Full time

**33 Name of the project:** SAN/1243/SA01/04. Evaluación del valor pronóstico de la ruta VRK-p53 en cáncer de cabeza y cuello humano.

**Type of project:** Research and development, including transfer

**Geographical area:** Regional

**Degree of contribution:** Researcher

**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** Pedro A. Lazo-Zbikowski; Sandra Blanco

**Name of the programme:** Consejería de Sanidad de Junta de Castilla y León (SAN/1243/SA01/04)

**Start-End date:** 01/01/2004 - 31/12/2004

**Duration:** 1 year

**Total amount:** 6.010 €

**Dedication regime:** Full time

**34 Name of the project:** CSI18/03. Caracterización de las quinasas VRK en oncología humana

**Type of project:** Research and development, including transfer

**Geographical area:** Regional

**Degree of contribution:** Researcher

**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca

**Type of entity:** University Research Institute





**Name principal investigator (PI, Co-PI....):** Pedro A. Lazo-Zbikowski; Sandra Blanco

**Name of the programme:** Junta de Castilla y León (CS118/03)

**Start-End date:** 01/01/2003 - 31/12/2004

**Duration:** 2 years

**Total amount:** 7.560 €

**Dedication regime:** Full time

**35 Name of the project:** SA01/02 - Evaluación de los antígenos tetraspanin como marcadores pronósticos en linfomas B humanos (SA01/02)

**Type of project:** Research and development, including transfer

**Geographical area:** Regional

**Degree of contribution:** Researcher

**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** Pedro A. Lazo-Zbikowski; Sandra Blanco

**Name of the programme:** Consejería de Sanidad de Junta de Castilla y León (SA01/02)

**Start-End date:** 01/01/2002 - 31/12/2002

**Duration:** 1 year

**Total amount:** 6.010 €

**Dedication regime:** Full time

**36 Name of the project:** EMBO postdoc fellow: Role of cytosine-5 RNA methylation in stem cells

**Type of project:** Basic research (including archaeological digs, etc)

**Entity where project took place:** Wellcome Trust - MRC Cambridge Stem Cell Institute

**Name principal investigator (PI, Co-PI....):** Sandra Blanco

**Nº of researchers:** 1

**Name of the programme:** EMBO long term fellowship

**Start date:** 01/10/2009

**Duration:** 2 years

**Total amount:** 48.000 €

**37 Name of the project:** Ramón Areces postdoc fellow: Role of cytosine-5 RNA methylation in stem cells

**Type of project:** Basic research (including archaeological digs, etc)

**Entity where project took place:** Wellcome Trust - MRC Cambridge Stem Cell Institute

**Name principal investigator (PI, Co-PI....):** Sandra Blanco

**Nº of researchers:** 1

**Name of the programme:** Becas postdoctorales Fundación Ramón Areces

**Start date:** 01/10/2007

**Duration:** 1 year

**Total amount:** 24.000 €

**38 Name of the project:** FPI PhD fellowship: Functional characterization of VRK2 kinase in signalling pathways deregulated in cancer

**Type of project:** Basic research (including archaeological digs, etc)

**Entity where project took place:** Centro de Investigación del Cáncer

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** Sandra Blanco; Pedro Lazo

**Nº of researchers:** 2

**Name of the programme:** Becas FPI, Ministerio de Ciencia y tecnología

**Start date:** 01/07/2001

**Duration:** 4 years

**Total amount:** 46.000 €

**39 Name of the project:** FPU PhD fellowship: Functional characterization of VRK2 kinase in signalling pathways deregulated in cancer

**Type of project:** Basic research (including archaeological digs, etc)





**Entity where project took place:** Centro de Investigación del Cáncer

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** Pedro Lazo

**Nº of researchers:** 2

**Name of the programme:** Becas FPU, Ministerio de Educación y Cultura

**Start date:** 01/03/2001

**Duration:** 4 months

**Total amount:** 3.800 €

**40 Name of the project:** CSIC Scholarship: Functional role of TSG101 in membrane traffic

**Type of project:** Basic research (including archaeological digs, etc)

**Entity where project took place:** Centro de Investigación del Cáncer

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** Pedro Lazo

**Nº of researchers:** 2

**Name of the programme:** Becas de Iniciación a la investigación del CSIC

**Start date:** 01/09/2000

**Duration:** 3 months

**Total amount:** 1.800 €

### R&D non-competitive contracts, agreements or projects with public or private entities

**1 Name of the project:** 201820I059. Papel de las modificaciones post-transcripcionales de ARN en cáncer

**Type of project:** Basic research (including archaeological digs, etc)

**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca

**Degree of contribution:** Scientific coordinator

**Entity where project took place:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca

**Type of entity:** University Research Institute

**Nº of researchers:** 1

**Start date:** 01/11/2018

**Total amount:** 5.000 €

**2 Name of the project:** Installation Grant Cancer Research Centre

**Type of project:** Basic research (including archaeological digs, etc)

**Degree of contribution:** Scientific coordinator

**Nº of researchers:** 1

**Start date:** 01/11/2018

**Duration:** 2 years

**Total amount:** 80.000 €



## Scientific and technological activities

### Scientific production

**H index:** 35

**Date of application:** 21/02/2023

**Fuente de Índice H:** GOOGLE SCHOLAR

### Publications, scientific and technical documents

- 1** Flores, Joana V.; Cordero-Espinoza, Lucia; Oeztuerk-Winder, Feride; Andersson-Rolf, Amanda; Selmi, Tommaso; Blanco, Sandra; Tailor, Jignesh; Dietmann, Sabine; Frye, Michaela. Cytosine-5 RNA Methylation Regulates Neural Stem Cell Differentiation and Motility. STEM CELL REP. 8, 10/01/2017. ISSN 2213-6711  
**DOI:** 10.1016/j.stemcr.2016.11.014  
**PMID:** 28041877  
**Type of production:** Scientific paper  
**Impact source:** ISI **Category:** Cell and Tissue Engineering and Cell Biology  
**Impact index in year of publication:** 6.537 **Journal in the top 25%:** Yes  
**Source of citations:** WOS
- 2** Lindsey Van Haute; Sabine Dietmann; Laura Kremer; Shobbir Hussain; Sarah F Pearce; Christopher A Powell; Joanna Rorbach; Rebecca Lantaff; Sandra Blanco; Sascha Sauer; Urania Kotzaeridou; Georg F Hoffmann; Yasin Memari; Anja Kolb Kokocinski; Richard Durbin; Johannes A Mayr; Michaela Frye; Holger Prokisch; Michal Minczuk. Deficient methylation and formylation of mt-tRNA(Met) wobble cytosine in a patient carrying mutations in NSUN3. NAT COMMUN. 7, pp. 12039. 30/06/2016. ISSN 2041-1723  
**DOI:** 10.1038/ncomms12039.  
**Type of production:** Scientific paper  
**Impact source:** ISI **Category:** Multidisciplinary Sciences  
**Impact index in year of publication:** 12.12 **Journal in the top 25%:** Yes
- 3** Sandra Blanco; Roberto Bandiera; Martyna Popis; Shobbir Hussain; Patrick Lombard; Jelena Aleksic; Abdulrahim Sajini; Hinal Tanna; Rosana Cortés Garrido; Nikoletta Gkatza; Sabine Dietmann; Michaela Frye. Stem cell function and stress response are controlled by protein synthesis. NATURE. 534 - 7607, pp. 335 - 340. 16/06/2016. ISSN 1476-4687  
**DOI:** 10.1038/nature18282  
**Type of production:** Scientific paper  
**Impact source:** ISI **Category:** Multidisciplinary Sciences  
**Impact index in year of publication:** 40,137 **Journal in the top 25%:** Yes
- 4** Sandra Blanco; Sabine Dietmann; Joana V Flores; Shobbir Hussain; Claudia Kutter; Peter Humphreys; Margus Lukk; Patrick Lombard; Lucas Treppe; Martyna Popis; Stefanie Kellner; Sabine M Hölter; Lillian Garrett; Wolfgang Wurst; Lore Becker; Thomas Klopstock; Helmut Fuchs; Valerie Gailus Durner; Martin Hrab? de Angelis; Ragnhildur T Káradóttir; Mark Helm; Jernej Ule; Joseph G Gleeson; Duncan T Odom; Michaela Frye. Aberrant methylation of tRNAs links cellular stress to neuro-developmental disorders. EMBO J. 33 - 18, pp. 2020 - 2059. 17/09/2014. ISSN 1460-2075  
**DOI:** 10.15252/emboj.201489282



**Type of production:** Scientific paper

- 5** Marcella Salzano; Marta Vázquez Cedeira; Marta Sanz García; Alberto Valbuena; Sandra Blanco; Isabel F Fernández; Pedro A Lazo. Vaccinia-related kinase 1 (VRK1) confers resistance to DNA-damaging agents in human breast cancer by affecting DNA damage response. *ONCOTARGET*. 5 - 7, pp. 1770 - 1778. 15/04/2014. ISSN 1949-2553

**Type of production:** Scientific paper

- 6** Shobbir Hussain; Jelena Aleksic; Sandra Blanco; Sabine Dietmann; Michaela Frye. Characterizing 5-methylcytosine in the mammalian epitranscriptome. *GENOME BIOL.* 14 - 11, pp. 215. 01/11/2013. ISSN 1465-6914

**DOI:** 10.1186/gb4143

**Type of production:** Scientific paper

- 7** Shobbir Hussain; Abdulrahim A Sajini; Sandra Blanco; Sabine Dietmann; Patrick Lombard; Yoichiro Sugimoto; Maike Paramor; Joseph G Gleeson; Duncan T Odom; Jernej Ule; Michaela Frye. NSun2-mediated cytosine-5 methylation of vault noncoding RNA determines its processing into regulatory small RNAs. *CELL REPORTS*. 4 - 2, pp. 255 - 316. 25/07/2013. ISSN 2211-1247

**Type of production:** Scientific paper

- 8** Shobbir Hussain; Francesca Tuorto; Suraj Menon; Sandra Blanco; Claire Cox; Joana V Flores; Stephen Watt; Nobuaki R Kudo; Frank Lyko; Michaela Frye. The mouse cytosine-5 RNA methyltransferase NSun2 is a component of the chromatoid body and required for testis differentiation. *Molecular and cellular biology*. 33 - 8, pp. 1561 - 1631. 04/2013. ISSN 1098-5549

**Type of production:** Scientific paper

- 9** D M Monsalve; T Merced; I F Fernández; S Blanco; M Vázquez Cedeira; P A Lazo. Human VRK2 modulates apoptosis by interaction with Bcl-xL and regulation of BAX gene expression. *Cell death & disease*. 4, pp. e513. 2013. ISSN 2041-4889

**Type of production:** Scientific paper

- 10** Isabel F Fernández; Luis G Pérez Rivas; Sandra Blanco; Adrián A Castillo Dominguez; José Lozano; Pedro A Lazo. VRK2 anchors KSR1-MEK1 to endoplasmic reticulum forming a macromolecular complex that compartmentalizes MAPK signaling. *Cellular and molecular life sciences : CMLS*. 69 - 22, pp. 3881 - 3974. 11/2012. ISSN 1420-9071

**Type of production:** Scientific paper

- 11** Fernando Jose Martinez; Jeong Ho Lee; Ji Eun Lee; Sandra Blanco; Elizabeth Nickerson; Stacey Gabriel; Michaela Frye; Lihadh Al Gazali; Joseph G Gleeson. Whole exome sequencing identifies a splicing mutation in NSUN2 as a cause of a Dubowitz-like syndrome. *J. MED. GENET.* 49 - 6, pp. 380 - 385. 01/06/2012. ISSN 1468-6244

**Type of production:** Scientific paper

- 12** Iwona Driskell; Hisanobu Oda; Sandra Blanco; Elisabete Nascimento; Peter Humphreys; Michaela Frye. The histone methyltransferase Setd8 acts in concert with c-Myc and is required to maintain skin. *EMBO J.* 31 - 3, pp. 616 - 645. 01/02/2012. ISSN 1460-2075

**Type of production:** Scientific paper

- 13** Elisabete M Nascimento; Claire L Cox; Stewart MacArthur; Shobbir Hussain; Matthew Trotter; Sandra Blanco; Menon Suraj; Jennifer Nichols; Bernd Kübler; Salvador Aznar Benitah; Brian Hendrich; Duncan T Odom; Michaela Frye. The opposing transcriptional functions of Sin3a and c-Myc are required to maintain tissue homeostasis. *NAT. CELL BIOL.* 13 - 12, pp. 1395 - 1800. 20/12/2011. ISSN 1476-4679

**Type of production:** Scientific paper



- 14** Sandra Blanco; Agata Kurowski; Jennifer Nichols; Fiona M Watt; Salvador Aznar Benitah; Michaela Frye. The RNA-methyltransferase Misu (NSun2) poises epidermal stem cells to differentiate. *PLoS GENET.* 7 - 12, pp. e1002403. 01/12/2011. ISSN 1553-7404  
**Type of production:** Scientific paper
- 15** Isabel F Fernández; Sandra Blanco; José Lozano; Pedro A Lazo. VRK2 inhibits mitogen-activated protein kinase signaling and inversely correlates with ErbB2 in human breast cancer. *Molecular and cellular biology.* 30 - 19, pp. 4687 - 4784. 10/2010. ISSN 1098-5549  
**Type of production:** Scientific paper
- 16** Shobbir Hussain; Sandra Blanco Benavente; Elisabete Nascimento; Ilaria Dragoni; Agata Kurowski; Astrid Gillich; Peter Humphreys; Michaela Frye. The nucleolar RNA methyltransferase Misu (NSun2) is required for mitotic spindle stability. *The Journal of cell biology.* 186 - 1, pp. 27 - 67. 13/07/2009. ISSN 1540-8140  
**Type of production:** Scientific paper
- 17** Pedro P Medina; Sandra D Castillo; Sandra Blanco; Marta Sanz García; Cristina Largo; Sara Alvarez; Jun Yokota; Ana Gonzalez Neira; Javier Benitez; Hans C Clevers; Juan C Cigudosa; Pedro A Lazo; Montse Sanchez Cespedes. The SRY-HMG box gene, SOX4, is a target of gene amplification at chromosome 6p in lung cancer. *Human molecular genetics.* 18 - 7, pp. 1343 - 1395. 01/04/2009. ISSN 1460-2083  
**Type of production:** Scientific paper
- 18** Sandra Blanco; Marta Sanz García; Claudio R Santos; Pedro A Lazo. Modulation of interleukin-1 transcriptional response by the interaction between VRK2 and the JIP1 scaffold protein. *PLoS one.* 3 - 2, pp. e1660. 2008. ISSN 1932-6203  
**Type of production:** Scientific paper
- 19** Alberto Valbuena; Sandra Blanco; Francisco M Vega; Pedro A Lazo. The C/H3 domain of p300 is required to protect VRK1 and VRK2 from their downregulation induced by p53. *PLoS one.* 3 - 7, pp. e2649. 2008. ISSN 1932-6203  
**Type of production:** Scientific paper
- 20** Alberto Valbuena; Ana Suárez Gauthier; Fernando López Rios; Angel López Encuentra; Sandra Blanco; Pedro L Fernández; Montserrat Sánchez Céspedes; Pedro A Lazo. Alteration of the VRK1-p53 autoregulatory loop in human lung carcinomas. *Lung cancer (Amsterdam, Netherlands).* 58 - 3, pp. 303 - 312. 12/2007. ISSN 0169-5002  
**Type of production:** Scientific paper
- 21** Sandra Blanco; Claudio Santos; Pedro A Lazo. Vaccinia-related kinase 2 modulates the stress response to hypoxia mediated by TAK1. *Molecular and cellular biology.* 27 - 20, pp. 7273 - 7356. 10/2007. ISSN 0270-7306  
**Type of production:** Scientific paper
- 22** Alberto Valbuena; Inmaculada López Sánchez; Francisco M Vega; Ana Sevilla; Marta Sanz García; Sandra Blanco; Pedro A Lazo. Identification of a dominant epitope in human vaccinia-related kinase 1 (VRK1) and detection of different intracellular subpopulations. *Archives of biochemistry and biophysics.* 465 - 1, pp. 219 - 245. 01/09/2007. ISSN 0003-9861  
**Type of production:** Scientific paper
- 23** Claudio R Santos; Sandra Blanco; Ana Sevilla; Pedro A Lazo. Vaccinia virus B1R kinase interacts with JIP1 and modulates c-Jun-dependent signaling. *Journal of virology.* 80 - 15, pp. 7667 - 7742. 08/2006. ISSN 0022-538X  
**Type of production:** Scientific paper



- 24** Alberto Valbuena; Francisco M Vega; Sandra Blanco; Pedro A Lazo. p53 downregulates its activating vaccinia-related kinase 1, forming a new autoregulatory loop. *Molecular and cellular biology*. 26 - 13, pp. 4782 - 4875. 07/2006. ISSN 0270-7306  
**Type of production:** Scientific paper
- 25** Sandra Blanco; Lucia Klimcakova; Francisco M Vega; Pedro A Lazo. The subcellular localization of vaccinia-related kinase-2 (VRK2) isoforms determines their different effect on p53 stability in tumour cell lines. *The FEBS journal*. 273 - 11, pp. 2487 - 2991. 06/2006. ISSN 1742-464X  
**Type of production:** Scientific paper
- 26** Claudio R Santos; María Rodríguez Pinilla; Francisco M Vega; José L Rodríguez Peralto; Sandra Blanco; Ana Sevilla; Alberto Valbuena; Teresa Hernández; André J van Wijnen; Fengzhi Li; Enrique de Alava; Montserrat Sánchez Céspedes; Pedro A Lazo. VRK1 signaling pathway in the context of the proliferation phenotype in head and neck squamous cell carcinoma. *Molecular cancer research : MCR*. 4 - 3, pp. 177 - 262. 03/2006. ISSN 1541-7786  
**Type of production:** Scientific paper
- 27** Cláudio R Santos; Francisco M Vega; Sandra Blanco; Ramiro Barcia; Pedro A Lazo. The vaccinia virus B1R kinase induces p53 downregulation by an Mdm2-dependent mechanism. *Virology*. 328 - 2, pp. 254 - 319. 25/10/2004. ISSN 0042-6822  
**Type of production:** Scientific paper
- 28** Sandra Blanco; Pedro A Lazo. Human TSG101 does not replace *Saccharomyces cerevisiae* VPS23 role in the quality control of plasma membrane proteins. *FEMS microbiology letters*. 221 - 2, pp. 151 - 155. 25/04/2003. ISSN 0378-1097  
**Type of production:** Scientific paper
- 29** Judith Lopez; Domenico Rosace; Sandra Blanco. LAS MODIFICACIONES DEL ARN, CÓDIGO OCULTO DE INFORMACIÓN BIOLÓGICA. *Gaceta de Salamanca*. *Gaceta de Salamanca*, 28/07/2019.  
**Type of production:** Popular science article  
**Corresponding author:** Yes
- 30** Las modificaciones del ARN, posibles dianas terapéuticas del cancer. Agencia EFE Salud. Agencia EFE, 21/10/2016.  
**Type of production:** Popular science article
- 31** Sandra Blanco o cómo ser científica a casi 2.000 kilómetros de casa. Bierzo Digital. Bierzo Digital, 23/07/2016.  
**Type of production:** Popular science article
- 32** Identifican la regulación de la metilación de ARN como posible diana terapéutica para eliminar células madre de cancer. *Madri+d*. *Madri+d*, 08/07/2016.  
**Type of production:** Popular science article
- 33** Identificada la regulación de la metilación de ARN, como posible diana terapéutica de cáncer. *Gaceta Médica*. *Gaceta Médica*, 24/06/2016.  
**Type of production:** Popular science article
- 34** La función de las células madre y la respuesta al estrés, controladas por la síntesis de proteínas. *Revista Genética Médica*. *Revista Genética Médica*, 21/06/2016.  
**Type of production:** Popular science article



- 35** S Blanco; I Fernández; M Vázquez-Cedeira; D Monsalve; PA Lazo. VRK2: vaccinia-related kinase 2. Encyclopedia of Signalling Molecules. pp. 1996 - 2000. Springer-Verlag, 2012. ISBN 978-1-4419-0461-4  
**Type of production:** Book chapter **Format:** Book
- 36** Marta Sanz-García; Alberto Valbuena; Inma López-Sánchez; Sandra Blanco; Isabel F Fernández; Marta Vázquez-Cedeira; Pedro A Lazo. Vaccinia-related kinase (VRK) signalling in cell and tumor biology. Emerging Signaling Pathways in Tumor Biology. Transworld Research Network, 2010.  
**Type of production:** Book chapter **Format:** Book
- 37** S Blanco; PA Lazo. Vaccinia-related kinase-2. UCSD-Nature Molecule Pages. 2009.  
**Type of production:** Book chapter **Format:** Book
- 38** PA Lazo; FM Vega; A Sevilla; A Valbuena; M Sanz-Garcia; I Lopez-Sanchez; S Blanco. Vaccinia-related kinase 1. ATLAS of GENETICS and CYTOGENETICS in ONCOLOGY and HAEMATOLOGY. 11, pp. 285 - 288. 2007.  
**Type of production:** Book chapter **Format:** Book
- 39** Pedro A Lazo; Sandra Blanco; Ana Sevilla. Bases moleculares de la metástasis. Virus y Cáncer. Moyano, A., González-Lahoz, J., & Fernández-Muñoz, R., 2004.  
**Type of production:** Book chapter **Format:** Book
- 40** Frye, Michaela; Blanco, Sandra. Post-transcriptional modifications in development and stem cells. DEVELOPMENT. 143, 01/11/2016. ISSN 0950-1991  
**DOI:** 10.1242/dev.136556  
**Type of production:** Review  
**Impact source:** ISI **Category:** Developmental Biology  
**Impact index in year of publication:** 5.84 **Journal in the top 25%:** Yes
- 41** Martyna C Popis; Sandra Blanco; Michaela Frye. Posttranscriptional methylation of transfer and ribosomal RNA in stress response pathways, cell differentiation, and cancer. CURR OPIN ONCOL. 28 - 1, pp. 65 - 136. 28/01/2016. ISSN 1531-703X  
**DOI:** 10.1097/CCO.0000000000000252.  
**Type of production:** Review  
**Impact source:** ISI  
**Impact index in year of publication:** 3.4
- 42** Sandra Blanco; Michaela Frye. Role of RNA methyltransferases in tissue renewal and pathology. CURR OPIN CELL BIOL. 31, pp. 1 - 8. 01/12/2014. ISSN 1879-0410  
**DOI:** 10.1016/j.ceb.2014.06.006  
**Type of production:** Review
- 43** John S Satterlee; Maria Basanta Sanchez; Sandra Blanco; Jin Billy Li; Kate Meyer; Jonathan Pollock; Ghazaleh Sadri Vakili; Agnieszka Rybak Wolf. Novel RNA modifications in the nervous system: form and function. J NEUROSCI. 34 - 46, pp. 15170 - 15177. 12/11/2014. ISSN 1529-2401  
**DOI:** 10.1523/JNEUROSCI.3236-14.2014  
**Type of production:** Review
- 44** Raquel García-Vílchez; Ana M Añazco-Guenkova; Judith López; Sabine Dietmann; Mercedes Tomé; Sonia Jimeno; Mikel Azkargorta; Félix Elortza; Laura Bárcena; Monika Gonzalez-Lopez; Ana M Aransay; Manuel A Sánchez-Martín; Pablo Huertas; Raúl V Durán; Sandra Blanco. N7-methylguanosine methylation of tRNAs regulates survival to stress in cancer. Oncogene. 02/09/2023. ISSN 0950-9232  
**DOI:** 10.1038/s41388-023-02825-0





**Position of signature:** 15

**Total no. authors:** 15

**Impact source:** SCOPUS

**Corresponding author:** Yes

- 45** Raquel García-Vílchez; Ana Añazco-Guenkova; Sabine Dietmann; Judith López; Virginia Morón-Calvente; Silvia D'Ambrosi; Paz Nombela; Kepa Zamacola; Isabel Mendizabal; Saioa García-Longarte; Amaia Zabala-Letona; Ianire Astobiza; Sonia Fernández; Alejandro Paniagua; Borja Miguel-López; Valerie Marchand; Diego Alonso-López; Angelika Merkel; Ignacio García-Tuñón; A Ugalde-Olano; A Loizaga-Iriarte; Isabel Lacasa-Viscasillas; Miguel Unda; Mikel Azkargorta; Felix Elortza; Laura Bárcena; Monika Gonzalez-Lopez; Ana M Aransay; Tomas Di Domenico; Manuel A Sánchez-Martín; Javier De Las Rivas; Sonia Guil; Yuri Motorin; Mark Helm; Pier P Pandolfi; Arkaitz Carracedo; Sandra Blanco. METTL1 promotes tumorigenesis through tRNA-derived fragment biogenesis in prostate cancer. *Molecular Cancer*. 22 - 1, pp. 119. 29/07/2023. ISSN 1476-4598

**DOI:** 10.1186/s12943-023-01809-8

**Position of signature:** 37

**Total no. authors:** 37

**Impact source:** ISI

**Impact index in year of publication:** 27.4

**Corresponding author:** Yes

**Category:** Oncology

**Journal in the top 25%:** Yes

- 46** Moron-Calvente V; Sandra Blanco. A therapy PUSH for GBM. *Nature Cancer*. 2, pp. 876. 23/09/2021. ISSN 2662-1347

**DOI:** 10.1038/s43018-021-00255-z

**Position of signature:** 2

**Total no. authors:** 2

**Impact source:** ISI

**Impact index in year of publication:**

**Corresponding author:** Yes

**Category:** Oncology

**Journal in the top 25%:** Yes

- 47** Nombela P; Miguel B; Sandra Blanco. The role of m(6)A, m(5)C and Psi RNA modifications in cancer: Novel therapeutic opportunities. *Molecular Cancer*. 20 - 1, pp. 18. 18/01/2021. ISSN 1476-4598

**DOI:** 10.1186/s12943-020-01263-w

**Position of signature:** 3

**Total no. authors:** 3

**Impact source:** ISI

**Impact index in year of publication:** 27.4

**Corresponding author:** Yes

**Category:** Oncology

**Journal in the top 25%:** Yes

- 48** S Blanco. Challenges in Biomedicine and Health. Libro Blanco CSIC 4. 3, CSIC, 2021.

**Format:** Book

**Corresponding author:** No

- 49** S Blanco. Genome and Epigenetics. Libro Blanco CSIC 3. 3, CSIC, 2021.

**Format:** Book

**Corresponding author:** No

- 50** Sevilla Ana; Bernaus A; Sandra Blanco. Glia Crosstalk in Neuroinflammatory Diseases. *Frontiers in Cellular Neuroscience*. eCollection, 29/07/2020. ISSN 1662-5102

**DOI:** 10.3389/fncel.2020.00209

**Position of signature:** 3

**Total no. authors:** 3

**Impact source:** ISI

**Impact index in year of publication:** 5.5

**Corresponding author:** No

**Category:** Neuroscience

**Journal in the top 25%:** Yes



- 51** Domenico Rosace; Judith Lopez Luis; Sandra Blanco. Emerging roles of novel small non-coding regulatory RNAs in immunity and cancer. *RNA Biology*. 18, 20/03/2020. ISSN 1555-8584  
**DOI:** 10.1080/15476286.2020.1737442  
**Position of signature:** 3  
**Total no. authors:** 3  
**Impact source:** ISI  
**Impact index in year of publication:** 4.62  
**Corresponding author:** Yes  
**Category:** Biochemistry & Molecular Biology categories.  
**Journal in the top 25%:** Yes
- 52** Janin M; Ortiz V; Castro de Moura M; Martínez-Cardús A; Llinàs-Arias P; Soler M; Nachmani D; Pelletier J; Schumann U; Calleja-Cervantes ME; Moran S; Guil S; Bueno-Costa A; Pineyro, D.; Perez-Salvia, M; Rossello-Tortella, M; Pique, L.; Bech-Serra, J.J; De La Torre, C; Vidal, A; Martinez-Iniesta, M; Martin-Tejera, J.F; Villanueva, A; Arias, A; Cuartas, I; Aransay, A.M.; La Madrid, A.M.; Carcaboso, A.M.; Santa-Maria, V.; Mora, J.; Fernandez, A.F.; Fraga, M.F; Aldecoa, I.; Pedrosa, L.; Graus, F.; Vidal, N; Martinez-Soler, F.; Tortosa, A; Carrato, C.; Balana, C.; Boudreau, M.W; Hergenrother, P.J; Kotter, P.; Entian, K.D.; Hench, J.; Frank, S.; Mansouri, S.; Zadeh, G; Dans, P.D.; Orozco, M; Thomas, G.; Blanco, S.; Seoane, J.; Preiss, T.; Pandolfi, P.P.; Esteller, M.. Epigenetic loss of RNA-methyltransferase NSUN5 in glioma targets ribosomes to drive a stress adaptive translational program. *Acta Neuropathologica*. 138 - 6, 19/08/2019. ISSN 0001-6322  
**DOI:** 10.1007/s00401-019-02062-4  
**Position of signature:** 52  
**Total no. authors:** 56  
**Impact source:** ISI  
**Impact index in year of publication:** 14.25  
**Corresponding author:** No  
**Category:** Pathology  
**Journal in the top 25%:** Yes
- 53** Nikoletta A Gkatza; Cecilia Castro; Robert F Harvey; Matthias Heiß; Martyna C Popis; Sandra Blanco; Susanne Bornelöv; Abdulrahim A Sajini; Joseph G Gleeson; Julian L Griffin; James A West; Stefanie Kellner; Anne E Willis; Sabine Dietmann; Michaela Frye. Cytosine-5 RNA methylation links protein synthesis to cell metabolism. *PLoS biology*. 17 - 6, pp. e3000297. 14/06/2019. ISSN 1545-7885  
**DOI:** 10.1371/journal.pbio.3000297  
**Position of signature:** 6  
**Total no. authors:** 15  
**Impact source:** ISI  
**Impact index in year of publication:** 7.076  
**Corresponding author:** No  
**Category:** Biochemistry & Molecular Biology  
**Journal in the top 25%:** Yes
- 54** García-Vílchez, R.; Sevilla, A.; Blanco, S.. Post-transcriptional regulation by cytosine-5 methylation of RNA. *BBA-GENE REGUL MECH*. S1874-9399(18)30344, 01/03/2019. ISSN 1874-9399  
**DOI:** 10.1016/j.bbagr.2018.12.003  
**Position of signature:** 3  
**Total no. authors:** 3  
**Impact source:** ISI  
**Impact index in year of publication:** 3.51  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** Yes  
**Category:** Biophysics  
**Journal in the top 25%:** Yes
- 55** Davalos, Veronica; Blanco, Sandra; Esteller, Manel. SnapShot: Messenger RNA Modifications. *CELL*. 174, 12/07/2018. ISSN 0092-8674  
**DOI:** 10.1016/j.cell.2018.06.046  
**Position of signature:** 1  
**Total no. authors:** 3  
**Impact source:** SCOPUS  
**Corresponding author:** No  
**Category:** Science Edition - BIOCHEMISTRY & MOLECULAR BIOLOGY

**Impact index in year of publication:** 36.216**Journal in the top 25%:** Yes**56** Popis MC; Wagner RE; Constantino-Casas F; Blanco S; Frye M. Considerations for skin carcinogenesis experiments using inducible transgenic mouse models. BMC research notes. 11, pp. 67. 24/01/2018. ISSN 17560500**DOI:** 10.1186/s13104-018-3182-3**PMID:** 29361972**Position of signature:** 4**Total no. authors:** 5**Corresponding author:** No**Works submitted to national or international conferences****1** **Title of the work:** Poster: tRNA methylation regulates tumour-immune crosstalk through the biogenesis of tRNA-derived fragments in cancer**Name of the conference:** The 5th annual meeting on RNA therapeutics: from concept to clinic**Type of event:** Conference**Type of participation:** 'Participatory - poster**Reasons for participation:** Review before acceptance**Corresponding author:** Yes**City of event:** Benidorm, Spain**Date of event:** 21/06/2023**End date:** 23/06/2023**Organising entity:** The RNA Therapeutics Institute **Type of entity:** University**City organizing entity:** United States of America

Sandra Blaco.

**2** **Title of the work:** Role of tRNA methyltransferases in cancer**Name of the conference:** Seminar - invited lecturer**Type of event:** Seminar**Type of participation:** Participatory - oral communication**Reasons for participation:** Upon invitation**Corresponding author:** Yes**City of event:** Cordoba, Spain**Date of event:** 19/05/2023**End date:** 19/05/2023**Organising entity:** Instituto Maimónides de Investigación Biomédica de Córdoba (IMIBIC)

Sandra Blanco.

**3** **Title of the work:** Talk: Role of tRNA methyltransferases in cancer**Name of the conference:** Conference From Molecular Mechanisms to Cancer Therapy**Type of event:** Conference**Type of participation:** Participatory - oral communication**Reasons for participation:** Review before acceptance**Corresponding author:** Yes**City of event:** Commo, Italy**Date of event:** 11/05/2023**End date:** 14/05/2023**Organising entity:** Hinterzartener circle of the DFG for cancer research

Sandra Blanco.



- 4** **Title of the work:** Role of tRNA methyltransferases in cancer  
**Name of the conference:** Seminar - invited lecturer  
**Type of event:** Seminar  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** Umea, Italy  
**Date of event:** 21/04/2023  
**Organising entity:** Wallenberg Center for Molecular Medicine/University of Umea  
Sandra Blanco.
- 5** **Title of the work:** Talk: Role of 7-methylguanosine in prostate cancer immune cancer response  
**Name of the conference:** Conexión Cáncer annual meeting 2023  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** Benidorm, Spain  
**Date of event:** 23/01/2023  
**End date:** 25/01/2023  
**Organising entity:** Conexión Cáncer CSIC  
Ana Añazco-Guenkova; Sandra Blaco.
- 6** **Title of the work:** Poster: Identification of RNA modifications relevant for Docetaxel resistance in prostate cancer  
**Name of the conference:** Symposium on Cancer genomics and epitranscriptomics: from the bench to the clinic.  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** Salamanca, Spain  
**Date of event:** 30/11/2022  
**End date:** 02/12/2022  
**Organising entity:** CIC  
Paz Nombela; Sandra Blaco.
- 7** **Title of the work:** Poster: Identification of critical 6-methyladenosine regulators as malignant prognosis factors in prostate adenocarcinoma.  
**Name of the conference:** Symposium on Cancer genomics and epitranscriptomics: from the bench to the clinic.  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** Salamanca, Spain  
**Date of event:** 30/11/2022  
**End date:** 02/12/2022  
**Organising entity:** CIC  
Oscar Monteagudo-García; Sandra Blanco.



- 8** **Title of the work:** Poster: Role of 7-methylguanosine in prostate cancer immune cancer response  
**Name of the conference:** Symposium on Cancer genomics and epitranscriptomics: from the bench to the clinic.  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** Salamanca, Spain  
**Date of event:** 30/11/2022  
**End date:** 02/12/2022  
**Organising entity:** CIC  
Ana Añazco-Guenkova; Sandra Blaco.
- 9** **Title of the work:** Poster: Role of 7-methylguanosine in prostate cancer metastases  
**Name of the conference:** Symposium on Cancer genomics and epitranscriptomics: from the bench to the clinic.  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** Salamanca, Spain  
**Date of event:** 30/11/2022  
**End date:** 02/12/2022  
**Organising entity:** CIC  
Borja Miguel; Sandra Blaco.
- 10** **Title of the work:** Poster: Role of 7-methylguanosine in prostate cancer progression  
**Name of the conference:** Symposium on Cancer genomics and epitranscriptomics: from the bench to the clinic.  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** Salamanca, Spain  
**Date of event:** 30/11/2022  
**End date:** 02/12/2022  
**Organising entity:** CIC  
Raquel García-Vílchez; Sandra Blaco.
- 11** **Title of the work:** Poster: Role of cytosine-5 methylation of ribosomal RNA in cell cycle control  
**Name of the conference:** Symposium on Cancer genomics and epitranscriptomics: from the bench to the clinic.  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** Salamanca, Spain  
**Date of event:** 30/11/2022  
**End date:** 02/12/2022  
**Organising entity:** CIC  
Judith Lopez; Sandra Blaco.



- 12** **Title of the work:** Talk: Identification of critical 6-methyladenosine regulators as malignant prognosis factors in prostate adenocarcinoma  
**Name of the conference:** 3rd URONCOMOL Network Meeting  
**Type of event:** Workshop  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** Bilbao, Spain  
**Date of event:** 13/10/2022  
**End date:** 14/10/2022  
**Organising entity:** URONCOMOL  
Paz Nombela; Sandra Blaco.
- 13** **Title of the work:** Talk: Role of 7-methylguanosine in prostate cancer progression  
**Name of the conference:** 3rd URONCOMOL Network Meeting  
**Type of event:** Workshop  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** Bilbao, Spain  
**Date of event:** 13/10/2022  
**End date:** 14/10/2022  
**Organising entity:** URONCOMOL  
Raquel García-Vílchez; Sandra Blaco.
- 14** **Title of the work:** Poster: Role of cytosine-5 methylation of ribosomal RNA in cell cycle control.  
**Name of the conference:** EMBO Workshop: Ribosome synthesis.  
**Type of event:** Conference  
**Type of participation:** Participatory - poster  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** Engelberg, Switzerland  
**Date of event:** 17/08/2022  
**End date:** 21/08/2022  
**Organising entity:** EMBO  
Judith Lopez; Sandra Blaco.
- 15** **Title of the work:** Talk: Pathologic Role of aberrant guanosine-7 methylation of tRNAs  
**Name of the conference:** Instituto de Parasitología y Biomedicina López-Neyra – CSIC  
**Type of event:** Seminar  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** Granada, Spain  
**Date of event:** 24/06/2022  
**End date:** 24/06/2022  
**Organising entity:** Instituto de Parasitología y Biomedicina López-Neyra – CSIC  
Sandra Blaco.





- 16** **Title of the work:** Poster: Identification of critical 6-methyladenosine regulators as malignant prognosis factors in prostate adenocarcinoma  
**Name of the conference:** EACR annual meeting 2022  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** Sevilla, Spain  
**Date of event:** 20/06/2022  
**End date:** 23/06/2022  
**Organising entity:** EACR  
Paz Nombela; Sandra Blaco.
- 17** **Title of the work:** Poster: Role of 7-methylguanosine in prostate cancer immune cancer response in cell cycle control.  
**Name of the conference:** EACR annual meeting 2022  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** Sevilla, Spain  
**Date of event:** 20/06/2022  
**End date:** 23/06/2022  
**Organising entity:** EACR  
Ana Añazco-Guenkova; Sandra Blaco.
- 18** **Title of the work:** Poster: Role of 7-methylguanosine in prostate cancer progression  
**Name of the conference:** EACR annual meeting 2022  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** Sevilla, Spain  
**Date of event:** 20/06/2022  
**End date:** 23/06/2022  
**Organising entity:** EACR  
Sandra Blaco.
- 19** **Title of the work:** Talk: Role of RNA methylation in prostate cancer  
**Name of the conference:** IBMG-CSIC  
**Type of event:** Seminar  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** Valladolid, Spain  
**Date of event:** 10/06/2022  
**End date:** 10/06/2022  
**Organising entity:** IBMG-CSIC  
Sandra Blaco.



- 20** **Title of the work:** Talk: Role of tRNA methylation in prostate cancer  
**Name of the conference:** UK Mediterranean annual Prostate Cancer meeting 2022  
**Type of event:** Workshop  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** Carsington, United Kingdom  
**Date of event:** 06/06/2022  
**End date:** 08/06/2022  
**Organising entity:** Cancer Research UK  
Sandra Blaco.
- 21** **Title of the work:** Poster: Role of 7-methylguanosine in prostate cancer metastases  
**Name of the conference:** Ribored 2022  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** Madrid, Spain  
**Date of event:** 20/05/2022  
**End date:** 21/05/2022  
**Organising entity:** Ribored  
Borja Miguel; Sandra Blanco.
- 22** **Title of the work:** Poster: Role of cytosine-5 methylation of ribosomal RNA in cell cycle control.  
**Name of the conference:** Ribored 2022  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** Madrid, Spain  
**Date of event:** 20/05/2022  
**End date:** 21/05/2022  
**Organising entity:** Ribored  
Judith Lopez; Sandra Blaco.
- 23** **Title of the work:** Talk: Role of tRNA methyltransferases in cancer  
**Name of the conference:** Ribored 2022  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** Madrid, Spain  
**Date of event:** 20/05/2022  
**End date:** 21/05/2022  
**Organising entity:** Ribored  
Sandra Blanco.
- 24** **Title of the work:** Talk: Deciphering the role of RNA methyltransferases in cancer  
**Name of the conference:** II CABIMER International Workshop. Trends in Cancer Biology & Advanced Therapies



**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**Corresponding author:** Yes

**City of event:** Sevilla, Spain

**Date of event:** 23/02/2022

**End date:** 25/02/2022

**Organising entity:** CABIMER

Sandra Blaco.

**Reasons for participation:** Upon invitation

**25 Title of the work:** Poster: Identification of critical 6-methyladenosine regulators as malignant prognosis factors in prostate adenocarcinoma

**Name of the conference:** EMBO Workshop: The Epitranscriptome

**Type of event:** Conference

**Type of participation:** 'Participatory - poster

**Reasons for participation:** Review before acceptance

**Corresponding author:** Yes

**City of event:** online, Spain

**Date of event:** 09/02/2022

**End date:** 11/02/2022

**Organising entity:** EMBO

Paz Nombela; Sandra Blanco.

**26 Title of the work:** Poster: Role of 7-methylguanosine in prostate cancer progression

**Name of the conference:** EMBO Workshop: The Epitranscriptome

**Type of event:** Conference

**Type of participation:** 'Participatory - poster

**Reasons for participation:** Review before acceptance

**Corresponding author:** Yes

**City of event:** online, Spain

**Date of event:** 09/02/2022

**End date:** 11/02/2022

**Organising entity:** EMBO

Raquel García Vilchez; Sandra Blaco.

**27 Title of the work:** Poster: Role of cytosine-5 methylation of ribosomal RNA in cell cycle control.

**Name of the conference:** EMBO Workshop: The Epitranscriptome

**Type of event:** Conference

**Type of participation:** 'Participatory - poster

**Reasons for participation:** Review before acceptance

**Corresponding author:** Yes

**City of event:** online, Spain

**Date of event:** 09/02/2022

**End date:** 11/02/2022

**Organising entity:** EMBO

Judith Lopez; Sandra Blaco.

**28 Title of the work:** Talk: Deciphering the role of tRNA methyltransferases in prostate cancer progression.

**Name of the conference:** EMBO Workshop: The Epitranscriptome

**Type of event:** Conference



**Type of participation:** Participatory - oral communication

**Corresponding author:** Yes

**City of event:** online, Spain

**Date of event:** 09/02/2022

**End date:** 11/02/2022

**Organising entity:** EMBO  
Sandra Blaco.

**Reasons for participation:** Review before acceptance

- 29 Title of the work:** Poster: Role of cytosine-5 methylation of ribosomal RNA in cell cycle control.  
**Name of the conference:** Gene Regulation and Epigenetics Conference for Early Career Scientists (GREECS 2022)

**Type of event:** Conference

**Type of participation:** 'Participatory - poster

**Reasons for participation:** Review before acceptance

**Corresponding author:** Yes

**City of event:** online, Spain

**Date of event:** 14/01/2022

**End date:** 15/01/2022

**Organising entity:** QMUL  
Judith Lopez; Sandra Blaco.

- 30 Title of the work:** Poster: Identification of critical 6-methyladenosine regulators as malignant prognosis factors in prostate adenocarcinoma

**Name of the conference:** 3rd Educacional symposium ASEICA

**Type of event:** Conference

**Type of participation:** 'Participatory - poster

**Reasons for participation:** Review before acceptance

**Corresponding author:** Yes

**City of event:** online, Spain

**Date of event:** 23/11/2021

**End date:** 25/11/2021

**Organising entity:** ASEICA  
Oscar Monteagudo; Sandra Blanco.

- 31 Title of the work:** Poster: The RNA methyltransferase METTL1 regulates cell migration in prostate cancer.  
**Name of the conference:** 3rd Educacional symposium ASEICA

**Type of event:** Conference

**Type of participation:** 'Participatory - poster

**Reasons for participation:** Review before acceptance

**Corresponding author:** Yes

**City of event:** online, Spain

**Date of event:** 23/11/2021

**End date:** 25/11/2021

**Organising entity:** ASEICA  
Borja Miguel; Sandra Blanco.

- 32 Title of the work:** Poster: Identification of RNA modifications relevant for Docetaxel resistance in prostate cancer.

**Name of the conference:** II ASPIC-ASEICA International Meeting: Current trends of precision medicine in cancer.

**Type of event:** Conference



**Type of participation:** 'Participatory - poster

**Reasons for participation:** Review before acceptance

**Corresponding author:** Yes

**City of event:** online, Spain

**Date of event:** 14/10/2021

**End date:** 15/10/2021

**Organising entity:** ASPIC-ASEICA

Paz Nombela; Sandra Blaco.

- 33** **Title of the work:** Poster: Identification of critical 6-methyladenosine regulators as malignant prognosis factors in prostate adenocarcinoma  
**Name of the conference:** II ASPIC-ASEICA International Meeting: Current trends of precision medicine in cancer.  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** online, Spain  
**Date of event:** 14/10/2021  
**End date:** 15/10/2021  
**Organising entity:** ASPIC-ASEICA  
Oscar Monteagudo; Sandra Blaco.
- 34** **Title of the work:** Poster: Role of cytosine-5 methylation of ribosomal RNA in cell cycle control.  
**Name of the conference:** II ASPIC-ASEICA International Meeting: Current trends of precision medicine in cancer.  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** online, Spain  
**Date of event:** 14/10/2021  
**End date:** 15/10/2021  
**Organising entity:** ASPIC-ASEICA  
Judith Lopez; Sandra Blaco.
- 35** **Title of the work:** Talk: Loss of 7-guanine tRNA methylation affects proliferation, survival and autophagy in Prostate Cancer.  
**Name of the conference:** II ASPIC-ASEICA International Meeting: Current trends of precision medicine in cancer.  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** online, Spain  
**Date of event:** 14/10/2021  
**End date:** 15/10/2021  
**Organising entity:** ASPIC-ASEICA  
Raquel García Vilchez; Sandra Blaco.



- 36** **Title of the work:** Poster: Role of cytosine-5 methylation of ribosomal RNA in cell cycle control.  
**Name of the conference:** 43rd SEBBM Congress  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** Yes  
**City of event:** online, Spain  
**Date of event:** 19/07/2021  
**End date:** 22/07/2021  
**Organising entity:** SEBBM  
Judith Lopez; Sandra Blaco.
- 37** **Title of the work:** Oncogenic Role of aberrant ribosome RNA methylation  
**Name of the conference:** Seminar - invited lecturer  
**Type of event:** Seminar  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** online, Italy  
**Date of event:** 15/06/2021  
**Organising entity:** ITB-CNR  
Sandra Blanco.
- 38** **Title of the work:** Talk: Role of cytosine-5 methylation of ribosomal RNA in cell cycle control  
**Name of the conference:** Spanish Network for Prostate Cancer Research meeting. URONCOMOL - invited lecturer  
**Type of event:** Workshop  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** online, Spain  
**Date of event:** 06/06/2021  
**Organising entity:** Spanish Network for Prostate Cancer Research meeting. URONCOMOL.  
Judith Lopez; Sandra Blanco.
- 39** **Title of the work:** Oportunidades académicas de retorno a España  
**Name of the conference:** Seminar - invited lecturer  
**Type of event:** Seminar  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** online, United Kingdom  
**Date of event:** 11/10/2020  
**Organising entity:** SRUK/CERU  
**City organizing entity:** Londres,  
Sandra Blanco.
- 40** **Title of the work:** Talk: Oncogenic Role of aberrant ribosome RNA methylation  
**Name of the conference:** Spanish Network for Prostate Cancer Research meeting. URONCOMOL - invited lecturer  
**Type of event:** Workshop





**Type of participation:** Participatory - oral communication

**Corresponding author:** Yes

**City of event:** Spain

**Date of event:** 06/10/2020

**End date:** 07/10/2020

**Organising entity:** Spanish Network for Prostate Cancer Research meeting. URONCOMOL.

**City organizing entity:** online,  
Raquel García Vilchez; Sandra Blanco.

**Reasons for participation:** Upon invitation

**41 Title of the work:** Talk: Oncogenic Role of aberrant methylation of tRNAs

**Name of the conference:** New Horizons in Genomics symposium - invited lecturer

**Type of event:** Conference

**Type of participation:** Participatory - oral communication

**Reasons for participation:** Upon invitation

**Corresponding author:** Yes

**City of event:** London, United Kingdom

**Date of event:** 10/09/2020

**End date:** 11/09/2020

**Organising entity:** QMUL

Sandra Blanco.

**42 Title of the work:** Talk: Role of m5C methylation of rRNA in cancer

**Name of the conference:** Jornadas de Genética de la Universidad de La Laguna

**Type of event:** Workshop

**Type of participation:** Participatory - oral communication

**Reasons for participation:** Review before acceptance

**Corresponding author:** Yes

**City of event:** Tenerife, Spain

**Date of event:** 27/12/2019

**End date:** 28/12/2019

**Organising entity:** Universidad de La Laguna

**Type of entity:** University

Judith Lopez; Sandra Blaco.

**43 Title of the work:** Poster: Role of 7-methylguanosine in prostate cancer progression.

**Name of the conference:** 2nd ASEICA Educational Symposium.

**Type of event:** Conference

**Type of participation:** Participatory - poster

**Reasons for participation:** Open access

**Corresponding author:** Yes

**City of event:** Madrid, Spain

**Date of event:** 28/11/2019

**End date:** 29/11/2019

**Organising entity:** ASEICA

Raquel Garcia Vilchez; Sandra Blaco.

**44 Title of the work:** Talk: Role of m7G methylation in prostate cancer

**Name of the conference:** Mediterranean meeting of Prostate Cancer

**Type of event:** Workshop

**Type of participation:** Participatory - oral communication

**Reasons for participation:** Representing

**Corresponding author:** Yes



**City of event:** Manchester, United Kingdom  
**Date of event:** 19/10/2019  
**End date:** 21/10/2019  
**Organising entity:** Cancer Research Institute Manchester  
Raquel García Vilchez; Sandra Blaco.

- 45** **Title of the work:** Talk: RNA methylation in prostate cancer  
**Name of the conference:** Seminar - invited lecturer  
**Type of event:** Seminar  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** Santiago de Compostela, Spain  
**Date of event:** 19/10/2019  
**Organising entity:** CIMUS  
**Type of entity:** R&D Centre  
**City organizing entity:** Santiago de Compostela, Sandra Blanco.
- 46** **Title of the work:** Talk: RNA methylation in stem cells and cancer  
**Name of the conference:** Seminar - invited lecturer  
**Type of event:** Seminar  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** Salamanca, Spain  
**Date of event:** 10/05/2019  
**Organising entity:** INSTITUTO DE BIOLOGIA FUNCIONAL Y GENOMICA  
**Type of entity:** State agency
- 47** **Title of the work:** Talk: The emerging complexity of the RNA world  
**Name of the conference:** Seminar - invited lecturer  
**Type of event:** Seminar  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** Bruselas, Belgium  
**Date of event:** 07/03/2019  
**Organising entity:** Université libre de bruxelles, Medicine Department
- 48** **Title of the work:** Talk: Role of RNA methylation in human physiopathology  
**Name of the conference:** Ribored biannual meeting - invited lecturer  
**Type of event:** Workshop  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** Madrid, Spain  
**Date of event:** 20/06/2018  
**End date:** 22/06/2018  
**Organising entity:** Ribored - Spanish Network for RNA research



- 49** **Title of the work:** Talk: The emerging complexity of the RNA world  
**Name of the conference:** Seminar - invited lecturer  
**Type of event:** Seminar  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** London, United Kingdom  
**Date of event:** 25/01/2018  
**Organising entity:** The Barts Cancer Institute – Queen Mary University of London
- 50** **Title of the work:** Poster: Role of RNA methylation in prostate cancer  
**Name of the conference:** 1st ASEICA Educational Symposium.  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Reasons for participation:** Open access  
**Corresponding author:** Yes  
**City of event:** Madrid, Spain  
**Date of event:** 17/11/2017  
**End date:** 19/11/2017  
**Organising entity:** ASEICA  
Kepa Zamacola; Sandra Blaco.
- 51** **Title of the work:** Talk: tRNA methylation in cancer  
**Name of the conference:** 1st ASEICA EDUCATIONAL SYMPOSIUM - invited lecturer  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** Madrid, Spain  
**Date of event:** 17/11/2017  
**End date:** 19/11/2017  
**Organising entity:** ASEICA
- 52** **Title of the work:** Talk: Pathological implications of alterations in RNA post-transcriptional modifications in cancer  
**Name of the conference:** Seminar - invited lecturer  
**Type of event:** Seminar  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** Toulouse, France  
**Date of event:** 10/11/2017  
**Organising entity:** Centre of Integrative Biology – University Paul Sabatier
- 53** **Title of the work:** Talk: Cytosine-5 RNA Methylation in stem cells, stress and cancer  
**Name of the conference:** Seminar - invited lecturer  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**City of event:** Bilbao, Spain  
**Date of event:** 15/02/2017  
**Organising entity:** Biothecnology Department - University of the Basque Country



- 54** **Title of the work:** Talk: Cytosine-5 RNA Methylation in stem cells, stress and cancer  
**Name of the conference:** Seminar - invited lecturer  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**City of event:** Edinburgh, United Kingdom  
**Date of event:** 07/12/2016  
**Organising entity:** MRC Scottish Centre for Regenerative Medicine – University of Edinburgh
- 55** **Title of the work:** Talk: Cytosine-5 RNA Methylation regulate stem cell function and sensitivity to cytotoxic stress  
**Name of the conference:** Seminar - invited lecturer  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**City of event:** Barcelona, Spain  
**Date of event:** 27/11/2016  
**Organising entity:** PEBC-IDIBELL
- 56** **Title of the work:** Functional role of Cytosine-5 RNA Methylation  
**Name of the conference:** Seminar - invited speaker  
**Type of event:** Seminar  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**Corresponding author:** Yes  
**City of event:** Bilbao, Spain  
**Date of event:** 27/10/2016  
**Organising entity:** Biophysics Institute-University of the Basque Country  
Sandra Blanco.
- 57** **Title of the work:** Talk: RNA post-transcriptional m5C-methylation in stem cells, stress responses and cancer  
**Name of the conference:** RNA modification and its implication on adaptation and evolution - Invited lecturer  
**Type of event:** Satellite meeting  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Review before acceptance  
**City of event:** Valencia, Spain  
**Date of event:** 20/05/2016  
**Organising entity:** SMBE Society - Invited lecturer  
Michaela Frye.
- 58** **Title of the work:** Talk: RNA post-transcriptional m5C-methylation in stem cells and cancer  
**Name of the conference:** The Epitranscriptome.  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Review before acceptance  
**Corresponding author:** No  
**City of event:** Heidelberg, Germany  
**Date of event:** 22/04/2016  
**Organising entity:** EMBO Conference  
Sandra Blanco; Michaela Frye.



- 59** **Title of the work:** Talk: Differences in protein synthesis rate regulate stem cell function and sensitivity to cytotoxic stress  
**Name of the conference:** Epigenomics: new marks, new horizons meeting - Invited lecturer  
**Type of event:** Workshop  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**City of event:** London, United Kingdom  
**Date of event:** 02/12/2015  
**Organising entity:** The Chromatin Club - Invited lecturer  
Sandra Blanco.
- 60** **Title of the work:** Talk: Differences in protein synthesis rate regulate stem cell function and sensitivity to cytotoxic stress  
**Name of the conference:** seminar - Invited lecturer  
**Type of event:** Seminar  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**City of event:** London, United Kingdom  
**Date of event:** 10/11/2015  
**Organising entity:** King's College London - Invited lecturer  
Sandra Blanco.
- 61** **Title of the work:** Talk: Cytosine-5 RNA Methylation in stem cells, stress and cancer  
**Name of the conference:** Seminar - Invited lecturer at IRB (Barcelona)  
**Type of event:** Seminar  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**City of event:** Barcelona, Spain  
**Date of event:** 14/10/2015  
**Organising entity:** Institute for Research in Biomedicine (IRB) - Invited lecturer  
Sandra Blanco.
- 62** **Title of the work:** Poster: Tumour-initiating cell function and sensitivity to genotoxic stress is controlled by protein translation rates  
**Name of the conference:** Non coding RNAs: Exploring Technologies to Uncover New Functions  
**Type of event:** Workshop  
**Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**City of event:** Cambridge, United Kingdom  
**Date of event:** 21/09/2015  
**Organising entity:** University of Cambridge  
Sandra Blanco; Michaela Frye.
- 63** **Title of the work:** Talk: Tumour-initiating cell function and sensitivity to genotoxic stress is controlled by protein translation rates.  
**Name of the conference:** International Society for Stem Cell Research Annual meeting  
**Type of event:** Conference  
**Geographical area:** European Union  
**Type of participation:** 'Participatory - poster  
**City of event:** Stockholm, Sweden  
**Date of event:** 20/06/2015  
**End date:** 26/06/2015  
**Organising entity:** International Society for Stem Cell Research  
**Type of entity:** Associations and Groups



Sandra Blanco; Michaela Frye.

- 64** **Title of the work:** Poster: Role of Cytosine-5 RNA methylation in development, tissue renewal and pathology  
**Name of the conference:** Developmental Biology Symposium  
**Type of event:** Workshop  
**Type of participation:** 'Participatory - poster  
**City of event:** Cambridge, United Kingdom  
**Date of event:** 18/03/2015  
**Organising entity:** The Sainsbury Laboratory-University of Cambridge  
**Type of entity:** University Department  
Sandra Blanco; Michaela Frye.
- 65** **Title of the work:** Talk: Cytosine-5 RNA Methylation Couples Cellular Stress to Neurodevelopment  
**Name of the conference:** Society For Neuroscience (SfN) annual meeting - Invited speaker  
**Type of event:** Conference  
**Geographical area:** Non EU International  
**Type of participation:** Participatory - invited/keynote talk  
**Reasons for participation:** Upon invitation  
**City of event:** Washington, United States of America  
**Date of event:** 15/11/2014  
**End date:** 19/11/2014  
**Organising entity:** Society For Neuroscience (SfN) - Invited lecturer  
Sandra Blanco; Michaela Frye.
- 66** **Title of the work:** Talk: Cytosine-5 RNA Methylation in stem cells and cancer  
**Name of the conference:** Cambridge Stem Cell Club  
**Type of event:** Seminar  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**City of event:** Cambridge, United Kingdom  
**Date of event:** 27/10/2014  
**Organising entity:** Wellcome Trust –MRC Stem Cell Institute  
Sandra Blanco.
- 67** **Title of the work:** Talk: Cytosine-5 RNA Methylation in stem cells, stress and cancer  
**Name of the conference:** Seminar - Invited lecture at CIC (Salamanca)  
**Type of event:** Seminar  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Upon invitation  
**City of event:** Salamanca, Spain  
**Date of event:** 10/10/2014  
**Organising entity:** Instituto de Biología Molecular y Celular del Cáncer - Invited lecturer  
Sandra Blanco.
- 68** **Title of the work:** Talk: Aberrant cytosine-5 tRNA methylation impairs stem cell differentiation and stress pathways  
**Name of the conference:** BioMed Conference Gene Translation: Fidelity and Quality Control  
**Geographical area:** European Union  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Review before acceptance  
**City of event:** Barcelona, Spain  
**Date of event:** 02/12/2013





**End date:** 04/12/2013

**Organising entity:** Instituto de Investigación Biomédica - Inveted lecturer  
Sandra Blanco; Michaela Frye.

- 69** **Title of the work:** Talk: Cytosine-5 methylation in tRNA protects skin from UV and oxidative stress damage  
**Name of the conference:** ASEICA (Spanish Society for Cancer Research) 14th International Congress  
**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication **Reasons for participation:** Review before acceptance  
**City of event:** Madrid, Spain  
**Date of event:** 23/09/2013  
**End date:** 25/09/2013  
**Organising entity:** ASEICA **Type of entity:** Associations and Groups  
**City organizing entity:** Madrid,  
Sandra Blanco; Michaela Frye.
- 70** **Title of the work:** Poster: tRNA methylation by NSun2 regulates the response to oxidative stress  
**Name of the conference:** Gordon Research Conference, "RNA editing"  
**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Review before acceptance  
**City of event:** Galveston (Texas), United States of America  
**Date of event:** 06/01/2013  
**End date:** 11/01/2013  
**Organising entity:** Gordon Research Conference  
Sandra Blanco; Michaela Frye.
- 71** **Title of the work:** Talk: Implications for NSun2 in Cancer  
**Name of the conference:** International Cambridge Stem Cell symposium, Stem Cells in Cancer  
**Geographical area:** European Union  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Open access  
**City of event:** Cambridge, United Kingdom  
**Date of event:** 09/07/2012  
**End date:** 09/07/2012  
**Organising entity:** Stem Cell Initiative-University of Cambridge  
Sandra Blanco; Michaela Frye.
- 72** **Title of the work:** Talk: RNA methylation poises epidermal stem cells to differentiate  
**Name of the conference:** EMBO Fellows meeting  
**Type of event:** Workshop **Geographical area:** European Union  
**Type of participation:** Participatory - oral communication **Reasons for participation:** Upon invitation  
**Date of event:** 14/06/2012  
**End date:** 17/06/2012  
**Organising entity:** EMBO - invited speaker  
**City organizing entity:** Heidelberg, Germany  
Sandra Blanco; Michaela Frye.
- 73** **Title of the work:** Poster: The RNA-methyltransferase Misu (NSun2) poises epidermal stem cells to differentiate  
**Name of the conference:** RNA Society Meeting 2011



**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster

**Reasons for participation:** Review before acceptance

**City of event:** Kyoto, Japan

**Date of event:** 14/06/2011

**End date:** 18/06/2011

**Organising entity:** RNA Society

Sandra Blanco; Agata Kurowski; Jennifer Nichols; Fiona M Watt; Salvador Aznar Benitah; Michaela Frye.

**74 Title of the work:** Talk and psoter: The RNA-methyltransferase Misu (NSun2) poises epidermal stem cells to differentiate

**Name of the conference:** OncoBio 2010 Cancer, Stem Cells and Metastasis

**Geographical area:** European Union

**Type of participation:** Participatory - oral communication

**Reasons for participation:** Open access

**City of event:** Salamanca, Spain

**Date of event:** 26/11/2010

**End date:** 29/11/2010

**Organising entity:** OncoBio-Universidad de Salamanca

**Type of entity:** University

Sandra Blanco; Agata Kurowski; Jennifer Nichols; Fiona M Watt; Salvador Aznar Benitah; Michaela Frye.

**75 Title of the work:** Talk: The RNA-methyltransferase Misu (NSun2) poises epidermal stem cells to differentiate

**Name of the conference:** European Workshop on Skin Stem Cells, Stem cells in skin - From morphogenesis to cancer development

**Geographical area:** European Union

**Type of participation:** Participatory - oral communication

**Reasons for participation:** Open access

**City of event:** Cambridge, United Kingdom

**Date of event:** 31/08/2010

**End date:** 02/09/2010

**Organising entity:** EMBO

**City organizing entity:** United Kingdom

Sandra Blanco; Agata Kurowski; Jennifer Nichols; Fiona M Watt; Salvador Aznar Benitah; Michaela Frye.

**76 Title of the work:** Talk: Role of the RNA methyltransferase Misu (NSUN2) and its implication for cancer

**Name of the conference:** Models and Mechanism of Cancer Symposium

**Type of event:** Workshop

**Geographical area:** National

**Type of participation:** Participatory - oral communication

**Reasons for participation:** Review before acceptance

**City of event:** Hinxton, United Kingdom

**Date of event:** 18/06/2010

**End date:** 18/06/2010

**Organising entity:** Wellcome Trust

Sandra Blanco; Michaela Frye.

**77 Title of the work:** Talk: The RNA methyltransferase Misu (NSun2) poises epidermal stem cells to undergo differentiation

**Name of the conference:** University of Cambridge Postdoc Research Symposium

**Type of event:** Workshop

**Geographical area:** National

**Reasons for participation:** Open access



**Type of participation:** Participatory - oral communication

**City of event:** Cambridge, United Kingdom

**Date of event:** 16/03/2010

**End date:** 16/03/2010

**Organising entity:** Department of Physiology, Development and Neuroscience, University of Cambridge

Sandra Blanco; Michaela Frye.

**Type of entity:** University

**78 Title of the work:** Poster: La quinasa humana VRK2 (vaccinia-related kinase 2) y su implicación en la muerte celular

**Name of the conference:** Congreso de la Sociedad Española de Bioquímica y Biología Molecular

**Geographical area:** National

**Type of participation:** 'Participatory - poster

**Reasons for participation:** Open access

**City of event:** Oviedo, Spain

**Date of event:** 23/09/2009

**End date:** 26/09/2009

**Organising entity:** Sociedad Española de Bioquímica y Biología Molecular

Triana Merced; Sandra Blanco; Pedro A Lazo.

**79 Title of the work:** Poster: The methyltransferase Misu (Nsun2) regulates epidermal lineage commitment

**Name of the conference:** EMBO meeting

**Geographical area:** European Union

**Type of participation:** 'Participatory - poster

**Reasons for participation:** Open access

**City of event:** Amsterdam, Holland

**Date of event:** 29/08/2009

**End date:** 01/09/2009

**Organising entity:** EMBO

Sandra Blanco; Michaela Frye.

**80 Title of the work:** Poster: The methyltransferase Misu (Nsun2) regulates epidermal lineage commitment

**Name of the conference:** International Society for Stem Cell Research Meeting

**Geographical area:** Non EU International

**Type of participation:** 'Participatory - poster

**Reasons for participation:** Open access

**City of event:** Barcelona, Spain

**Date of event:** 08/07/2009

**End date:** 11/07/2009

**Organising entity:** International Society for Stem Cell Research

Sandra Blanco; Michaela Frye.

**81 Title of the work:** Poster: The methyltransferase Misu (Nsun2) regulates epidermal lineage commitment

**Name of the conference:** Gordon Research Conference, "Epithelial differentiation and keratinization"

**Geographical area:** Non EU International

**Type of participation:** Participatory - oral communication

**Reasons for participation:** Review before acceptance

**City of event:** Les Diablerets, Switzerland

**Date of event:** 21/06/2009

**End date:** 26/06/2009

**Organising entity:** Gordon Research Conference

**Type of entity:** Foundation

Sandra Blanco; Michaela Frye.



- 82** **Title of the work:** Talk: The methyltransferase Misu (Nsun2) regulates epidermal lineage commitment  
**Name of the conference:** Gordon Research Conference, Epithelial differentiation and keratinization”  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Review before acceptance  
**City of event:** Les Diablerets, Switzerland  
**Date of event:** 21/06/2009  
**End date:** 26/06/2009  
**Organising entity:** Gordon Research Conference **Type of entity:** Foundation  
Sandra Blanco; Michaela Frye.
- 83** **Title of the work:** Poster: A role for the Myc-induced RNA methyltransferase Misu (Nsun2) in skin homeostasis  
**Name of the conference:** Cambridge Cancer Centre Postdoctoral meeting  
**Geographical area:** European Union  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Review before acceptance  
**City of event:** Cambridge, United Kingdom  
**Date of event:** 28/11/2008  
**End date:** 28/11/2008  
**Organising entity:** Cancer Research UK  
Sandra Blanco; Michaela Frye.
- 84** **Title of the work:** Talk: A role for the Myc-induced RNA methyltransferase Misu (Nsun2) in skin homeostasis  
**Name of the conference:** Cambridge Cancer Centre Postdoctoral meeting  
**Geographical area:** European Union  
**Type of participation:** Participatory - oral communication **Reasons for participation:** Review before acceptance  
**City of event:** Cambridge, United Kingdom  
**Date of event:** 28/11/2008  
**End date:** 28/11/2008  
**Organising entity:** Cancer Research UK  
Sandra Blanco; Michaela Frye.
- 85** **Title of the work:** Poster: Implicación de la Quinasa VRK2A en Desarrollo Tumoral Mediante Regulación de la Señalización del TGF-B y NFAT  
**Name of the conference:** Congreso de la Sociedad Española de Bioquímica y Biología Molecular  
**Geographical area:** National  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Open access  
**City of event:** Bilbao, Spain  
**Date of event:** 10/09/2008  
**End date:** 13/09/2008  
**Organising entity:** Sociedad Española de Bioquímica y Biología Molecular  
Marta Vázquez-Cedeira; Sandra Blanco; Pedro A Lazo.
- 86** **Title of the work:** Poster: The RNA methyltransferase Misu (NSUN2) regulates epidermal stem cell fate  
**Name of the conference:** ELSO and EMBO meeting  
**Geographical area:** European Union  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Open access



**City of event:** Nice, France  
**Date of event:** 30/08/2008  
**End date:** 02/09/2008  
**Organising entity:** ELSO and EMBO  
Sandra Blanco; Michaela Frye.

**87 Title of the work:** Poster: Regulación de las rutas mediadas por Erb2/Neu y K-ras por parte de las quinasas VRK

**Name of the conference:** Congreso de la Sociedad Española de Bioquímica y Biología Molecular

**Geographical area:** National

**Type of participation:** 'Participatory - poster

**Reasons for participation:** Open access

**City of event:** Malaga, Spain

**Date of event:** 12/09/2007

**End date:** 15/09/2007

**Organising entity:** Sociedad Española de Bioquímica y Biología Molecular

Isabel F Fernández; Sandra Blanco; Pedro A Lazo.

**88 Title of the work:** Poster: VRK2 modulates the IL-1? response mediated by MAP Kinase signalling complexes

**Name of the conference:** BIOMED CONFERENCE ON INFLAMMATION AND CHRONIC DISEASE

**Type of participation:** 'Participatory - poster

**Reasons for participation:** Open access

**City of event:** Barcelona, Spain

**Date of event:** 25/06/2007

**End date:** 27/06/2007

**Organising entity:** BIOMED

Sandra Blanco; Claudio R Santos; Pedro A Lazo.

**89 Title of the work:** Poster: Modulation of JIP1-JNK signalling module by the vaccinia-related kinase-2 (VRK2)

**Name of the conference:** 31st FEBS CONGRESS. Molecules in Health and Disease"

**Type of participation:** 'Participatory - poster

**Reasons for participation:** Open access

**City of event:** Estambul, Turkey

**Date of event:** 24/06/2006

**End date:** 29/06/2006

**Organising entity:** FEBS

Sandra Blanco; Pedro A Lazo.

**90 Title of the work:** Talk: Modulation of JIP1-JNK signalling module by the vaccinia-related kinase-2 (VRK2)

**Name of the conference:** FORUM for Young Scientist of FEBS

**Type of participation:** Participatory - oral communication

**Reasons for participation:** Upon invitation

**City of event:** Estambul, Turkey

**Date of event:** 24/06/2006

**End date:** 29/06/2006

**Organising entity:** FEBS

Sandra Blanco; Pedro A Lazo.

**91 Title of the work:** Poster: Regulation of p53 and JIP-1 by the Vaccinia-related kinase 2 (VRK2) isoforms

**Name of the conference:** Decimo Congreso de la ASEICA

**Geographical area:** National

**Type of participation:** 'Participatory - poster

**Reasons for participation:** Open access

**City of event:** Pamplona, Spain  
**Date of event:** 12/10/2005  
**End date:** 16/10/2005  
**Organising entity:** ASEICA  
Sandra Blanco; Pedro A Lazo.

- 92** **Title of the work:** Poster: Regulation of p53 and JIP-1 by the Vaccinia-related kinase 2 (VRK2) isoforms  
**Name of the conference:** EMBO/FEBS Advanced Lecture Course in Molecular mechanism in Signal transduction and cancer”.  
**Type of participation:** 'Participatory - poster  
**Reasons for participation:** Review before acceptance

**City of event:** Spetses, Greece  
**Date of event:** 15/08/2005  
**End date:** 26/08/2005  
**Organising entity:** EMBO/FEBS  
Sandra Blanco; Pedro A Lazo.

- 93** **Title of the work:** Talk: Regulation of p53 and JIP-1 by the Vaccinia-related kinase 2 (VRK2) isoforms  
**Name of the conference:** EMBO/FEBS Advanced Lecture Course in Molecular mechanism in Signal transduction and cancer”.  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Review before acceptance

**City of event:** Spetses, Greece  
**Date of event:** 15/08/2005  
**End date:** 26/08/2005  
**Organising entity:** EMBO/FEBS  
Sandra Blanco; Pedro A Lazo.

- 94** **Title of the work:** Poster: Phosphorylation of p53 by the Vaccinia-related Kinase-2 (VRK2), a new human kinase  
**Name of the conference:** 30th FEBS CONGRESS. The protein world, proteins and peptides: structure, function and organization”  
**Type of participation:** 'Participatory - poster  
**Reasons for participation:** Open access

**City of event:** Budapest, Hungary  
**Date of event:** 02/07/2005  
**End date:** 07/07/2005  
**Organising entity:** FEBS  
Sandra Blanco; Lucia Klimcakova; Pedro A Lazo.

- 95** **Title of the work:** Poster: Characterization of the isoforms of VRK2, a new Serine-Threonine kinase related to proliferation and apoptosis pathways  
**Name of the conference:** CAMPUS OF EXCELENCE

**Geographical area:** National  
**Type of participation:** Participatory - oral communication  
**Reasons for participation:** Review before acceptance  
**City of event:** Islas Canarias, Spain  
**Date of event:** 10/06/2005  
**End date:** 16/06/2005  
**Organising entity:** Agencia Nacional de Evaluación de la Calidad y Acreditación  
**Type of entity:** Agencia  
Sandra Blanco; Pedro A Lazo.





- 96** **Title of the work:** Poster: Phosphorylation of p53 by the Vaccinia-related Kinase-2 (VRK2), a new human kinase  
**Name of the conference:** EMBO/FEBS Advanced Course in Protein phosphorylation and protein phosphatases”  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster **Reasons for participation:** Open access  
**City of event:** BARCELONA, Spain  
**Date of event:** 29/06/2003  
**End date:** 03/07/2003  
**Organising entity:** EMBO/FEBS  
 Sandra Blanco; Lucia Klimcakova; Pedro A Lazo.

### Other dissemination activities

- 1** **Title of the work:** Talk: Career path  
**Type of event:** public outreach seminars **Geographical area:** Regional  
**City of event:** Ponferrada, Spain  
**Date of event:** 27/02/2023  
**Organising entity:** IES Gil y Carrasco  
**With external admission assessment committee:** No
- 2** **Title of the work:** Talk: Conocelas  
**Name of the event:** Conocelas ASEICA  
**Type of event:** public outreach seminars **Geographical area:** Regional  
**City of event:** Ponferrada, Spain  
**Date of event:** 08/02/2022  
**Organising entity:** Movimiento conocelas ASEICA- IES, Gil y Carrasco Ponferrada  
**With external admission assessment committee:** No
- 3** **Title of the work:** Exposición Con Ciencia Con Arte  
**Name of the event:** Con Ciencia Con Arte  
**Type of event:** Fairs and exhibitions **Geographical area:** Regional  
**City of event:** Ponferrada, Spain  
**Date of event:** 08/10/2021  
**Organising entity:** museo nacional de la energia  
**With external admission assessment committee:** No
- 4** **Title of the work:** Campus Científico.  
**Name of the event:** Campus Científico.  
**Type of event:** Fairs and exhibitions **Geographical area:** Regional  
**City of event:** Salamanca, Spain  
**Date of event:** 15/07/2021  
**Organising entity:** Universidad de Salamanca **Type of entity:** University  
**With external admission assessment committee:** No
- 5** **Title of the work:** Coloquio Mujer e Investigación de la USAL. Presented by the Chancellor of the University of Salamanca and the President of the Senate Pilar Llop.  
**Name of the event:** Coloquio Mujer e Investigación de la USAL  
**Type of event:** coloquio debate **Geographical area:** Regional  
**City of event:** Salamanca, Spain



**Date of event:** 19/03/2021

**Organising entity:** Universidad de Salamanca

**Type of entity:** University

**With external admission assessment committee:** No

- 6** **Title of the work:** Cómo ser científica y no morir en el intento.  
**Name of the event:** La Central Divulga at La Fábrica de Luz Museo de Energía Ponferrada  
**Type of event:** seminarios de divulgacion **Geographical area:** Regional  
**City of event:** Ponferrada, Spain  
**Date of event:** 18/02/2021  
**Organising entity:** La Fábrica de Luz Museo de Energía Ponferrada  
**With external admission assessment committee:** No

- 7** **Title of the work:** Entrevista en Canal 8 Magazine Bierzo  
**Name of the event:** Canal 8 Magazine Bierzo  
**Type of event:** Media interviews **Geographical area:** Regional  
**City of event:** Spain  
**Date of event:** 11/02/2021  
**Organising entity:** Canal 8 Magazine Bierzo  
**With external admission assessment committee:** No

- 8** **Title of the work:** Talk: Conocelas  
**Name of the event:** Conocelas ASEICA  
**Type of event:** public outreach seminars **Geographical area:** Regional  
**City of event:** Ponferrada, Spain  
**Date of event:** 08/02/2021  
**Organising entity:** Movimiento conocelas - IES, Gil y Carrasco Ponferrada  
**With external admission assessment committee:** No

- 9** **Title of the work:** Exposición Con Ciencia Con Arte  
**Name of the event:** Con Ciencia Con Arte  
**Type of event:** Fairs and exhibitions **Geographical area:** Regional  
**City of event:** Salamanca, Spain  
**Date of event:** 28/10/2020  
**Organising entity:** FUNDACION GENERAL CSIC  
**With external admission assessment committee:** No

- 10** **Title of the work:** Podcast at Ciencia.es  
**Name of the event:** Podcast at Ciencia.es  
**Geographical area:** Regional  
**City of event:** Spain  
**Date of event:** 01/04/2020  
**Organising entity:** Ciencia.es  
**With external admission assessment committee:** No

- 11** **Title of the work:** Talk: 11 F  
**Name of the event:** 11F  
**Type of event:** public outreach seminars **Geographical area:** Regional  
**City of event:** Salamanca, Spain  
**Date of event:** 14/02/2020  
**Organising entity:** Movimiento 11 F - IES, Martínez Uribarri, Salamanca  
**With external admission assessment committee:** No



- 12** **Title of the work:** Talk: 11 F  
**Name of the event:** Ellas son ciencia: vidas dedicadas a la investigación, historias con personalidad'  
**Type of event:** public outreach seminars **Geographical area:** Regional  
**City of event:** Valladolid, Spain  
**Date of event:** 11/02/2020  
**Organising entity:** Museo de ciencias de Valladolid  
**With external admission assessment committee:** No
- 13** **Title of the work:** Round table participant as young and women PI  
**Name of the event:** II Jornadas de Jóvenes Investigadores INNOVA  
**Type of event:** Mesa redonda **Geographical area:** Regional  
**City of event:** Salamanca, Spain  
**Date of event:** 26/09/2019  
**Organising entity:** INNOVA, Salamanca  
**With external admission assessment committee:** No
- 14** **Title of the work:** Epitranscriptómica, más allá de la genética y de la epigenética  
**Name of the event:** Pint of Science  
**Type of event:** public outreach seminars **Geographical area:** Regional  
**City of event:** Salamanca, Spain  
**Date of event:** 21/05/2019  
**Organising entity:** Movimiento Pint of Science  
**With external admission assessment committee:** No
- 15** **Title of the work:** Epitranscriptómica, más allá de la genética  
**Name of the event:** Pint of Science  
**Type of event:** public outreach seminars **Geographical area:** Regional  
**City of event:** Salamanca, Spain  
**Date of event:** 10/05/2019  
**Organising entity:** Pint of Science  
**With external admission assessment committee:** No
- 16** **Title of the work:** Epitranscriptmics  
**Name of the event:** MSc lecture in course Regulación de la Expresión Génica mediante mecanismos epigenéticos  
**City of event:** Salamanca,  
**Date of event:** 19/03/2019  
**Organising entity:** Department of Biochemistry - University of Salamanca  
**City organizing entity:** Salamanca,
- 17** **Title of the work:** Talk: 11 F  
**Name of the event:** 11F  
**Type of event:** public outreach seminars **Geographical area:** Regional  
**City of event:** Salamanca, Spain  
**Date of event:** 14/02/2019  
**Organising entity:** Movimiento 11 F - IES San José, Salamanca  
**With external admission assessment committee:** No



- 18 Title of the work:** Epitranscriptmics and cancer  
**Name of the event:** MSc lecture in course Regulación de la Expresión Génica en células normales y tumorales  
**City of event:** Salamanca,  
**Date of event:** 16/01/2019  
**Organising entity:** Instituto de Biología Molecular y Celular del Cáncer - University of Salamanca  
**City organizing entity:** Salamanca,
- 19 Title of the work:** Talk: protein synthesis and RNA methylation in stem cells  
**Name of the event:** MSc lecture  
**City of event:** Master in Molecular Biology and Biomedicine - University of the Basque Country,  
**Date of event:** 15/02/2017  
**Organising entity:** University of the Basque Country  
**City organizing entity:** University of the Basque Country,
- 20 Title of the work:** Press release officer SRUK (CERU)  
**Name of the event:** Press releases  
**Type of event:** Press releases form SRUK activities  
**Date of event:** 01/10/2014  
**Organising entity:** SRUK (CERU): Spanish Researchers in the UK Society
- 21 Title of the work:** Pint of knowledge: several science dissemination talks  
**Name of the event:** Pint of knowledge  
**Type of event:** public outreach seminars **Geographical area:** Regional  
**City of event:** Cambridge, United Kingdom  
**Date of event:** 01/09/2014  
**Organising entity:** SRUK (CERU): Spanish Researchers in the UK Society  
**With external admission assessment committee:** No  
"Stem Cells: from the lab to the clinic".
- 22 Title of the work:** Eurostemcell portal contributor  
**Name of the event:** Contributor to the portal  
**Type of event:** Contribution on the web page contents  
**Date of event:** 01/07/2014  
**Organising entity:** Eurostemcell  
Available on-line at: <<https://www.eurostemcell.org/>>.

## R&D management and participation in scientific committees

### Scientific, technical and/or assessment committees

- 1** **Committee title:** Chair at Conexión cancer annual meeting  
**City affiliation entity:** Benidorm,  
**Start-End date:** 23/01/2023 - 25/01/2023
- 2** **Committee title:** Guest Editor  
**Affiliation entity:** Genes (Basel)  
**Start-End date:** 01/06/2021 - 31/12/2022
- 3** **Committee title:** Comité organizador Symposium on Cancer genomics and epitranscriptomics: from the bench to the clinic.  
**Affiliation entity:** Centro de Investigación del Cáncer **Type of entity:** University Research Institute  
**City affiliation entity:** Salamanca,  
**Start-End date:** 30/11/2022 - 02/12/2022
- 4** **Committee title:** Chair at the Ribored biannual meeting  
**City affiliation entity:** Madrid,  
**Start-End date:** 25/05/2022 - 26/05/2022
- 5** **Committee title:** Comisión de evaluación de Biomedicina/Cáncer de la AEI  
**Affiliation entity:** AGENCIA ESTATAL DE INVESTIGACION  
**Start-End date:** 01/04/2022 - 10/04/2022
- 6** **Committee title:** Editorial Board of the journal Clinical and Translational Oncology  
**Affiliation entity:** The journal Clinical and Translational Oncology  
**Start-End date:** 01/10/2016 - 01/10/2020
- 7** **Committee title:** COMITÉ DE EVALUACION DE PLAZAS POSDOCTORALES ASOCIADAS A PROYECTOS DE LA JUNTA DE CASTILLA Y LEON  
**Affiliation entity:** CONSERJERIA DE EDUCACION DE LA JUTNA DE CASTILLA Y LEON  
**City affiliation entity:** Spain  
**Start-End date:** 14/01/2019 - 14/12/2019
- 8** **Committee title:** COMITÉ DE EVALUACION DE PLAZAS TÉCNICAS ESPECIALIZADAS DEL CSIC  
**Affiliation entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**City affiliation entity:** Spain  
**Start-End date:** 01/11/2019 - 01/11/2019
- 9** **Committee title:** COMITÉ DE EVALUACION DE PLAZAS DE INVESTIGADOR DISTINGUIDO DEL CSIC  
**Affiliation entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**City affiliation entity:** Spain  
**Start-End date:** 21/10/2019 - 27/10/2019



## Organization of R&D activities

- 1** **Title of the activity:** Symposium on Cancer genomics and epitranscriptomics: from the bench to the clinic.  
**Type of activity:** simposio  
**Convening entity:** CIC  
**City convening entity:** Salamanca, Spain  
**Start-End date:** 30/11/2022 - 02/12/2022
- 2** **Title of the activity:** Conocelas 2022  
**Type of activity:** Divulgacion  
**Convening entity:** ASEICA mujer  
**City convening entity:** Spain  
**Start-End date:** 01/11/2021 - 09/02/2022
- 3** **Title of the activity:** Con-Ciencia-Con-Arte  
**Type of activity:** Art and Science exhibition event  
**City of event:** Salamanca, Spain  
**Convening entity:** FUNDACION GENERAL CSIC  
**City convening entity:** Spain  
**Type of participation:** ayudante a organizacion  
**Nº assistants:** 40  
**Start-End date:** 01/03/2019 - 31/12/2021      **Duration:** 1 day
- 4** **Title of the activity:** Conocelas 2021  
**Type of activity:** Divulgacion  
**Convening entity:** ASEICA mujer  
**City convening entity:** Spain  
**Start-End date:** 01/11/2020 - 09/02/2021
- 5** **Title of the activity:** Postdoc seminars at CIC bioGUNE  
**Type of activity:** seminars  
**Convening entity:** CIC bioGUNE, Centro de Investigación Cooperativa en Biociencias      **Type of entity:** Innovation and Technology Centres  
**Type of participation:** Chairman  
**Nº assistants:** 20  
**Start-End date:** 01/03/2017 - 30/06/2018
- 6** **Title of the activity:** Science and Art exhibition  
**Type of activity:** Contest and exhibition event  
**City of event:** Cambridge, United Kingdom  
**Convening entity:** Society for Spanish Researchers in the United Kingdom SRUK      **Type of entity:** Associations and Groups  
**City convening entity:** Cambridge, United Kingdom  
**Type of participation:** ayudante a organizacion  
**Nº assistants:** 40  
**Start-End date:** 17/06/2017 - 17/06/2017      **Duration:** 1 day





- 7** **Title of the activity:** Humanities and Science Workshop  
**Type of activity:** Workshop **Geographical area:** National  
**City of event:** Cambridge, United Kingdom  
**Convening entity:** Society for Spanish Researchers in the United Kingdom SRUK **Type of entity:** Associations and Groups  
**City convening entity:** Cambridge, United Kingdom  
**Type of participation:** ayudante a organizacion  
**N° assistants:** 40  
**Start-End date:** 14/02/2015 - 14/02/2015 **Duration:** 1 day
- 8** **Title of the activity:** Academia & Industry Workshop  
**Type of activity:** Workshop **Geographical area:** National  
**City of event:** Cambridge, United Kingdom  
**Convening entity:** Society for Spanish Researchers in the United Kingdom SRUK **Type of entity:** Associations and Groups  
**City convening entity:** Cambridge, United Kingdom  
**Type of participation:** ayudante a organizacion  
**N° assistants:** 40  
**Start-End date:** 18/10/2014 - 25/10/2014 **Duration:** 1 day
- 9** **Title of the activity:** Wellcome Trust - Medical Research Council Stem Cell Institute annual retreat  
**Type of activity:** annual retreat **Geographical area:** Regional  
**City of event:** Cambridge, United Kingdom  
**Convening entity:** Wellcome Trust - Medical Research Council Stem Cell Institute - University of Cambridge **Type of entity:** University  
**City convening entity:** Cambridge, United Kingdom  
**Type of participation:** Organiser  
**N° assistants:** 80  
**Start-End date:** 19/09/2010 - 21/09/2010 **Duration:** 2 days

## R&D management

- 1** **Name of the activity:** Exposicion Con Ciencia Con Arte  
**Type of management:** Management of organised events  
**Performed tasks:** coordinadora  
**Entity:** museo nacional de la energia  
**Start date:** 08/10/2021  
**Access system:** Designated by the corresponding party without competition
- 2** **Name of the activity:** conócelas ASEICA-mujer 2022  
**Type of management:** Management of organised events  
**Performed tasks:** coordinadora  
**Entity:** ASEICA  
**Start date:** 01/10/2021  
**Access system:** Designated by the corresponding party without competition
- 3** **Name of the activity:** conócelas ASEICA-mujer 2021  
**Type of management:** Management of organised events  
**Performed tasks:** coordinadora



**Entity:** ASEICA

**Start date:** 01/01/2021

**Access system:** Designated by the corresponding party without competition

- 4** **Name of the activity:** ASEICA4you mentoring programme  
**Type of management:** Group management  
**Performed tasks:** Mentor  
**Entity:** ASEICA  
**Start date:** 01/12/2020  
**Access system:** Designated by the corresponding party without competition
- 5** **Name of the activity:** Exposicion Con Ciencia Con Arte  
**Type of management:** Management of organised events  
**Performed tasks:** coordinadora  
**Entity:** Universidad de Salamanca **Type of entity:** University  
**Start date:** 30/10/2020  
**Access system:** Designated by the corresponding party without competition
- 6** **Name of the activity:** ASPIRE (Advanced Science career development Program for Innovation and Research) mentoring programme from Max-Delbrück-Centrum für Molekulare Medizin (MDC)  
**Type of management:** Group management  
**Performed tasks:** Mentor  
**Entity:** Max-Delbrück-Centrum für Molekulare Medizin (MDC)  
**Start date:** 01/10/2020  
**Access system:** Designated by the corresponding party without competition
- 7** **Name of the activity:** Ambassador of ASEICA JOVEN  
**Type of management:** Management of organised events  
**Performed tasks:** Ambassador  
**Entity:** ASEICA  
**Start date:** 01/05/2020  
**Access system:** Designated by the corresponding party without competition
- 8** **Name of the activity:** Member of the MSc teaching commission of the MSc in Biology and Clinic of Cancer at the University of Salamanca.  
**Type of management:** Management of body  
**Performed tasks:** Member  
**Entity:** Universidad de Salamanca **Type of entity:** University  
**Start date:** 01/09/2019  
**Access system:** Designated by the corresponding party without competition
- 9** **Name of the activity:** Member of ASEICA JOVEN  
**Type of management:** Management of organised events  
**Performed tasks:** Working group  
**Entity:** ASEICA  
**Start date:** 01/09/2019  
**Access system:** Designated by the corresponding party without competition
- 10** **Name of the activity:** Con Ciencia Con Arte  
**Type of management:** Management of organised events  
**Performed tasks:** coordinadora



**Entity:** FUNDACION GENERAL CSIC

**Start date:** 01/03/2019

**Access system:** By competition

- 11 Name of the activity:** Ambassador of EACR  
**Type of management:** Management of organised events  
**Performed tasks:** Ambassador  
**Entity:** EACR  
**Start date:** 2019  
**Access system:** Designated by the corresponding party without competition
- 12 Name of the activity:** Unidad de Investigación consolidada 258  
**Type of management:** Group management  
**Entity:** Centro de Investigación del Cáncer  
**Type of entity:** University Research Institute  
**Start date:** 01/06/2018
- 13 Name of the activity:** Secretary of the Cambridge Constituency of the Society of Spanish Researchers in the United Kingdom SRUK-CERU  
**Type of management:** Management of organised events  
**Performed tasks:** secretary  
**Entity:** Society of Spanish Researchers in the United Kingdom SRUK-CERU  
**Type of entity:** Associations and Groups  
**Start date:** 01/07/2014  
**Duration:** 1 year - 10 months  
**Access system:** By vote among several candidates  
**Nº of people:** 3  
**Geographical area:** National  
**Specific tasks:** organization
- 14 Name of the activity:** Radiation Protection Supervisor (RPS)  
**Type of management:** Group management  
**Performed tasks:** Radiation Protection Supervisor (RPS)  
**Entity:** Wellcome Trust - Medical Research Council  
**Type of entity:** University Research Institute  
Stem Cell Institute - University of Cambridge  
**Start date:** 01/03/2013  
**Duration:** 3 years  
**Access system:** Designated by the corresponding party without competition  
**Nº of people:** 3  
**Specific tasks:** organization and supervision
- 15 Name of the activity:** Wellcome Trust - MRC Stem Cell Institute annual retreat  
**Type of management:** Management of organised events  
**Performed tasks:** Annual retreat organization and financial support  
**Entity:** Wellcome Trust - Medical Research Council  
**Type of entity:** University Research Institute  
Stem Cell Institute - University of Cambridge  
**Start date:** 19/09/2010  
**Access system:** Designated by the corresponding party without competition  
**Nº of people:** 5  
**Aims of the event:** annual retreat  
**Specific tasks:** organization and financial support



## Evaluation and revision of R&D projects and articles

- 1** **Name of the activity:** Comisión de selección en la convocatoria de la bolsa de trabajo para la selección y contratación temporal de personal laboral fuera de convenio. con número de referencia SOLAUT\_00041163  
**Performed tasks:** Secretaria en la comisión de selección en la convocatoria de la bolsa de trabajo para la selección y contratación temporal de personal laboral fuera de convenio  
**Entity where activity was carried out:** Consejo Superior de Investigaciones Científicas      **Type of entity:** State agency  
**Start-End date:** 17/01/2022 - 17/01/2022
- 2** **Name of the activity:** Comisión de Selección de JAE-INTRO en el Instituto de Biología Molecular y Celular del Cáncer (IBMCC)  
**Performed tasks:** Vocal en la Comisión de Selección de JAE-INTRO en el Instituto de Biología Molecular y Celular del Cáncer (IBMCC)  
**Entity where activity was carried out:** Consejo Superior de Investigaciones Científicas      **Type of entity:** State agency  
**Start-End date:** 28/07/2021 - 28/07/2021
- 3** **Name of the activity:** Comisión de selección en la convocatoria de la bolsa de trabajo para la selección y contratación temporal de personal laboral fuera de convenio. con número de referencia SOLAUT\_00038604.  
**Performed tasks:** Secretaria en la comisión de selección en la convocatoria de la bolsa de trabajo para la selección y contratación temporal de personal laboral fuera de convenio  
**Entity where activity was carried out:** Consejo Superior de Investigaciones Científicas      **Type of entity:** State agency  
**Start-End date:** 27/07/2021 - 27/07/2021
- 4** **Name of the activity:** Comisión de selección en la convocatoria de la bolsa de trabajo para la selección y contratación temporal de personal laboral fuera de convenio. con número de referencia SOLAUT\_00038605  
**Performed tasks:** Secretaria en la comisión de selección en la convocatoria de la bolsa de trabajo para la selección y contratación temporal de personal laboral fuera de convenio  
**Entity where activity was carried out:** Consejo Superior de Investigaciones Científicas      **Type of entity:** State agency  
**Start-End date:** 27/07/2021 - 27/07/2021
- 5** **Name of the activity:** Comisión de selección en la convocatoria de la bolsa de trabajo para la selección y contratación temporal de personal laboral fuera de convenio. con número de referencia SOLAUT\_00033571  
**Performed tasks:** Secretaria en la comisión de selección en la convocatoria de la bolsa de trabajo para la selección y contratación temporal de personal laboral fuera de convenio  
**Entity where activity was carried out:** Consejo Superior de Investigaciones Científicas      **Type of entity:** State agency  
**Start-End date:** 05/03/2020 - 05/03/2020
- 6** **Name of the activity:** Ccomision de evaluacion para GARANTIA JUVENIL GERENCIAS 2019  
**Performed tasks:** Vocal en la comision de evaluacion para GARANTIA JUVENIL GERENCIAS 2019  
**Entity where activity was carried out:** Consejo Superior de Investigaciones Científicas      **Type of entity:** State agency  
**Start-End date:** 29/01/2020 - 29/01/2020



- 7** **Name of the activity:** Comision de evaluacion de investigadores distinguidos convocatoria 2018  
**Performed tasks:** Secretaria en la comision de evaluacion de investigadores distinguidos convocatoria 2018  
**Entity where activity was carried out:** Consejo Superior de Investigaciones Científicas  
**Type of entity:** State agency  
**Start-End date:** 18/10/2019 - 21/10/2019
- 8** **Name of the activity:** omisión de selección en la convocatoria de la bolsa de trabajo para la selección y contratación temporal de personal laboral fuera de convenio. con número de referencia SOLAUT\_00033571  
**Performed tasks:** Secretaria en la comisión de selección en la convocatoria de la bolsa de trabajo para la selección y contratación temporal de personal laboral fuera de convenio  
**Entity where activity was carried out:** Consejo Superior de Investigaciones Científicas  
**Type of entity:** State agency  
**Start-End date:** 30/06/2019 - 30/06/2019
- 9** **Performed tasks:** Ad Hoc Referee for Grant programmes  
**Entity where activity was carried out:** Leukaemia Foundation UK  
**Start-End date:** 18/03/2018 - 19/03/2018
- 10** **Performed tasks:** Ad Hoc Referee for PhD fellowship programme  
**Entity where activity was carried out:** Austrian Academy of Sciences  
**Start-End date:** 15/04/2017 - 16/04/2017
- 11** **Name of the activity:** Tesis de Natalia Fernández Parejo "SIGNALING NETWORKS AND INTRINSIC MECHANISMS THAT REGULATE THE PRODUCTION OF RIBOSOMES IN TRANSFORMED CELLS"  
**Performed tasks:** Tribunal de tesis  
**Entity where activity was carried out:** ICentro de Investigación del Cáncer – USAL  
**City of entity:** Salamanca,  
**Start date:** 21/07/2023
- 12** **Name of the activity:** Tesis de o Daniela Barros Silva "Epigenetic regulation of non-coding RNAs in Prostate Cancer"  
**Performed tasks:** Tribunal de tesis  
**Entity where activity was carried out:** Instituto de Ciências Biomédicas Abel Salazar (ICBAS) - Universidade do Porto  
**City of entity:** Oporto,  
**Start date:** 04/03/2023
- 13** **Performed tasks:** Ad Hoc Referee for research papers  
**Entity where activity was carried out:** NAR Cancer  
**Start date:** 01/02/2023
- 14** **Name of the activity:** Tesis de Sonia Gómez Gaspar "Procesos moleculares implicados en los pasos iniciales de la síntesis de los ribosomas humanos"  
**Performed tasks:** Tribunal de tesis  
**Entity where activity was carried out:** Universitat de Salamanca  
**Start date:** 22/07/2022
- 15** **Performed tasks:** Referee for research grants  
**Entity where activity was carried out:** Belgium Research Council  
**Start date:** 2021



- 16** **Performed tasks:** Referee for research grants  
**Entity where activity was carried out:** European Research Council  
**Start date:** 2021
- 17** **Performed tasks:** Ad Hoc Referee for research papers  
**Entity where activity was carried out:** Frontiers in Cell Dev. Biol  
**Start date:** 01/04/2020
- 18** **Performed tasks:** Ad Hoc Referee for research papers  
**Entity where activity was carried out:** Nature Cancer  
**Start date:** 01/04/2020
- 19** **Performed tasks:** Ad Hoc Referee for research papers  
**Entity where activity was carried out:** Scientific reports  
**Start date:** 01/04/2020
- 20** **Name of the activity:** Tesis de o M<sup>a</sup> Rosario Prados Carvajal, 2020, University of Seville. "Crosstalk between DNA end resection and RNA metabolism"  
**Performed tasks:** Tribunal de tesis  
**Entity where activity was carried out:** Universitat de Sevilla  
**Start date:** 23/01/2020
- 21** **Name of the activity:** Tesis de Marta Rodríguez Escribá, 2020, University of Barcelona. "Role of tRNA modifications in the synthesis of the extracellular matrix".  
**Performed tasks:** Tribunal de tesis  
**Entity where activity was carried out:** Universitat de Barcelona    **Type of entity:** University  
**Start date:** 21/01/2020
- 22** **Performed tasks:** Referee for research grants  
**Entity where activity was carried out:** British Medical Research Council  
**Start date:** 2020
- 23** **Performed tasks:** Ad Hoc Referee for research papers  
**Entity where activity was carried out:** Molecular Cancer  
**Start date:** 17/07/2019
- 24** **Performed tasks:** Ad Hoc Referee for research papers  
**Entity where activity was carried out:** Molecular Cancer Research  
**Start date:** 17/07/2019
- 25** **Performed tasks:** Ad Hoc Referee for research papers  
**Entity where activity was carried out:** RNA Biology  
**Start date:** 17/07/2019
- 26** **Performed tasks:** Referee for research grants  
**Entity where activity was carried out:** ANR (French Research Agency)  
**Start date:** 01/05/2019





- 27** **Name of the activity:** Comisión de evaluación de contratos postdoctorales de la Conserjería de Educación de la Junta de Castilla y León  
**Performed tasks:** Presidenta en la comisión de evaluación de contratos postdoctorales de la Conserjería de Educación de la Junta de Castilla y León  
**Entity where activity was carried out:** Junta de Castilla y León      **Type of entity:** conserjería de educación  
**Start date:** 12/01/2019
- 28** **Performed tasks:** Ad Hoc Referee for research papers  
**Entity where activity was carried out:** ONCOGENE  
**Start date:** 17/07/2018
- 29** **Performed tasks:** Ad Hoc Referee for research papers  
**Entity where activity was carried out:** RNA  
**Start date:** 17/07/2018
- 30** **Performed tasks:** Ad Hoc Referee for research papers  
**Entity where activity was carried out:** Scientific reports  
**Start date:** 17/07/2018
- 31** **Performed tasks:** Referee for research grants  
**Entity where activity was carried out:** Agencia Nacional de Evaluación de la Calidad y Acreditación      **Type of entity:** AGENCY  
**Start date:** 01/10/2017
- 32** **Performed tasks:** Ad Hoc Referee for research papers  
**Entity where activity was carried out:** Plos Genetics  
**Start date:** 01/07/2016
- 33** **Performed tasks:** Ad Hoc Referee for research papers  
**Entity where activity was carried out:** Development  
**Start date:** 01/07/2014
- 34** **Performed tasks:** Ad Hoc Referee for research papers  
**Entity where activity was carried out:** eLIFE  
**Start date:** 01/07/2012
- 35** **Name of the activity:** review of articles in scientific journals  
**Performed tasks:** Associate Faculty Member of Faculty of 1000 for Stem Cells and Regeneration  
**Entity where activity was carried out:** Faculty of 1000  
**Start date:** 01/09/2009



## Other achievements

### Stays in public or private R&D centres

- 1** **Entity:** Genetics Department - University of Cambridge  
**City of entity:** Cambridge, United Kingdom  
**Start-End date:** 01/07/2016 - 30/08/2016  
**Goals of the stay:** Research Associate  
**Provable tasks:** Research Associate
  
- 2** **Entity:** Wellcome Trust Medical Research Council Stem Cell Institute - University of Cambridge  
**City of entity:** Cambridge, United Kingdom  
**Start-End date:** 01/08/2007 - 11/01/2015  
**Goals of the stay:** Post-doctoral  
**Provable tasks:** Research Associate and Post-doctoral Fellow  
**Type of entity:** University Research Institute
  
- 3** **Entity:** Cancer Research UK  
**Faculty, institute or centre:** Cambridge Research Institute  
**City of entity:** Cambridge, United Kingdom  
**Start-End date:** 15/01/2012 - 15/02/2012  
**Duration:** 1 month  
**Goals of the stay:** Guest  
**Provable tasks:** Ensayos de Chromating IP-seq para la generación de librerías de secuenciación de regiones promotoras amplificadas por la RNA polimerasa PolIII en piel de ratón  
**Acquired skills developed:** ensayos de ChIP-seq  
**Relevant results:** Generación de librerías de secuenciación de regiones promotoras unidas por PolIII
  
- 4** **Entity:** Wellcome Trust Medical Research Council Stem Cell Institute - University of Cambridge  
**City of entity:** Cambridge, United Kingdom  
**Start-End date:** 01/10/2008 - 30/09/2010  
**Goals of the stay:** Post-doctoral  
**Provable tasks:** EMBO Post-doctoral Fellow  
**Type of entity:** University Research Institute
  
- 5** **Entity:** Barts and the London-Queen Mary University of London  
**Faculty, institute or centre:** Barts Cancer Institute  
**City of entity:** London, United Kingdom  
**Start-End date:** 01/09/2008 - 07/09/2008  
**Duration:** 6 days  
**Goals of the stay:** Guest  
**Provable tasks:** Cultivo de queratinocitos humanos en sustratos artificiales para la reconstitución de piel in vitro
  
- 6** **Entity:** Centro de Investigación del Cáncer  
**Start-End date:** 01/07/2006 - 30/07/2007  
**Goals of the stay:** Post-doctoral  
**Provable tasks:** Research  
**Type of entity:** University Research Institute



- 7** **Entity:** Centro de Investigación del Cáncer  
**Start-End date:** 01/03/2001 - 30/06/2006  
**Goals of the stay:** Doctorate  
**Provable tasks:** PhD Student  
**Type of entity:** University Research Institute
- 8** **Entity:** Centro de Investigación del Cáncer  
**Start-End date:** 01/09/2000 - 30/12/2000  
**Goals of the stay:** Internship  
**Provable tasks:** Internship  
**Type of entity:** University Research Institute
- 9** **Entity:** CIC bioGUNE, Centro de Investigación Cooperativa en Biociencias  
**Start date:** 01/09/2016  
**Goals of the stay:** Ramón y Cajal Investigator  
**Provable tasks:** Research Associate  
**Type of entity:** Innovation and Technology Centres

### Obtained grants and scholarships

- 1** **Name of the grant:** The 5th annual meeting on RNA therapeutics conference attendance Travel Grant  
**Aims:** travel grant  
**Awarding entity:** The RNA Therapeutics Institute  
**Conferral date:** 21/06/2023  
**End date:** 23/06/2023
- 2** **Name of the grant:** EMBO conference attendance Travel Grant  
**Aims:** travel grant  
**Awarding entity:** EMBO  
**Conferral date:** 16/04/2016  
**End date:** 18/04/2016
- 3** **Name of the grant:** RNA Society conference attendance Travel Grant  
**City awarding entity:** Kyoto, Japan  
**Aims:** travel grant  
**Awarding entity:** RNA Society  
**Conferral date:** 14/06/2011  
**End date:** 18/06/2011  
**Type of entity:** Associations and Groups
- 4** **Name of the grant:** EMBO long term fellowship  
**City awarding entity:** Cambridge, United Kingdom  
**Aims:** Post-doctoral  
**Awarding entity:** EMBO  
**Amount of the grant:** 48.000 €  
**Conferral date:** 01/10/2008  
**End date:** 30/09/2010  
**Duration:** 2 years  
**Entity where activity was carried out:** Wellcome Trust - Medical Research Council Stem Cell Institute - University of Cambridge
- 5** **Name of the grant:** Royal Society Conference attendace Travel Grant  
**City awarding entity:** Barcelona, Spain  
**Aims:** travel grant



**Awarding entity:** Royal Society  
**Conferral date:** 08/07/2009  
**End date:** 11/07/2009

**Type of entity:** Foundation

**6 Name of the grant:** Gordon Research Conference attendance Travel Grant

**City awarding entity:** Les Diablerets, Swaziland

**Aims:** travel grant

**Awarding entity:** Gordon Research Conference

**Type of entity:** Foundation

**Conferral date:** 21/06/2009

**End date:** 26/06/2009

**7 Name of the grant:** Post-doctoral fellowship

**City awarding entity:** Cambridge, United Kingdom

**Aims:** Post-doctoral

**Awarding entity:** Fundación Ramón Areces

**Type of entity:** Foundation

**Amount of the grant:** 24.000 €

**Conferral date:** 01/09/2007

**Duration:** 1 year

**End date:** 30/09/2007

**Entity where activity was carried out:** Wellcome Trust - Medical Research Council Stem Cell Institute - University of Cambridge

**8 Name of the grant:** FEBS Conference attendance Travel Grant

**City awarding entity:** Istanbul, Turkey

**Aims:** travel grant

**Awarding entity:** FEBS

**Type of entity:** Associations and Groups

**Conferral date:** 22/06/2006

**End date:** 29/06/2006

**9 Name of the grant:** Conference attendance travel grant

**City awarding entity:** Pamplona, Spain

**Aims:** travel grant

**Awarding entity:** Ministerio de Ciencia y Tecnología **Type of entity:** State agency

**Conferral date:** 12/10/2005

**End date:** 16/10/2005

**10 Name of the grant:** FPI (Formacion de Personla Investigador)

**Aims:** Pre-doctoral

**Awarding entity:** Ministerio de Ciencia e Innovación. **Type of entity:** Ministerio Investigación

**Amount of the grant:** 48.000 €

**Conferral date:** 01/08/2001

**Duration:** 4 years

**End date:** 31/07/2005

**Entity where activity was carried out:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca

**11 Name of the grant:** FPU (Formacion de Profesorado Universitario)

**Aims:** Pre-doctoral

**Awarding entity:** Ministerio de Educación y Cultura **Type of entity:** Ministerio

**Amount of the grant:** 3.200 €

**Conferral date:** 01/04/2001

**Duration:** 4 months

**End date:** 31/07/2001

**Entity where activity was carried out:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca



- 12 Name of the grant:** CSIC Research Initiation internship  
**Aims:** internship  
**Awarding entity:** Consejo Superior de Investigaciones Científicas  
**Amount of the grant:** 1.800 €  
**Conferral date:** 01/07/2000  
**End date:** 30/09/2000  
**Duration:** 3 months  
**Type of entity:** State agency  
**Entity where activity was carried out:** Instituto de Biología Molecular y Celular del Cáncer de Salamanca
- 13 Name of the grant:** Ramon y Cajal Award  
**Aims:** Junio Investigator  
**Awarding entity:** Ministerio de Economía y Competitividad  
**Amount of the grant:** 300.000 €  
**Conferral date:** 01/09/2016  
**Duration:** 2 years  
**Entity where activity was carried out:** CIC bioGUNE, Centro de Investigación Cooperativa en Biociencias

### Other types of collaboration with researchers or technologists

- 1 Type of relationship:** Networks without joint project  
**Description of the collaboration:** TRANSLACORE Cost Action CA21154 - Translational control in Cancer European Network  
**Participating entity/entities:** CENTRO DE ACUSTICA APLICADA Y EVALUACION NO DESTRUCTIVA  
**Type of entity:** Associations and Groups  
**Start date:** 04/10/2022
- 2 Type of relationship:** Joint project networks  
**Description of the collaboration:** Spanish Network on Prostate Cancer URONCOMOL  
**Participating entity/entities:** Ministerio de Ciencia e Innovación  
**Type of entity:** Redes  
**City participating entity:** Madrid, Community of Madrid, Spain  
**Start date:** 01/01/2019  
**Duration:** 3 years
- 3 Type of relationship:** Joint project networks  
**Description of the collaboration:** EPITRAN Cost Action CA16120 - European Epitranscriptomics Network  
**Participating entity/entities:** CENTRO DE ACUSTICA APLICADA Y EVALUACION NO DESTRUCTIVA  
**Type of entity:** Associations and Groups  
**Start date:** 01/06/2018
- 4 Type of relationship:** Co-ordinated projects  
**Name principal investigator (PI, Co-PI...):** Manel Esteller  
**Description of the collaboration:** Contribution of ribosomal RNA methylation to glioblastoma  
**Participating entity/entities:** FUNDACION PRIVADA INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL)  
**City participating entity:** Spain  
**Start date:** 01/12/2016



- 5** **Type of relationship:** Co-ordinated projects  
**Name principal investigator (PI, Co-PI....):** Arkaitz Carracedo  
**Description of the collaboration:** Availability of samples and expression data from Prostate cancer patients  
**Participating entity/entities:**  
CIC bioGUNE, Centro de Investigación Cooperativa **Type of entity:** Innovation and Technology Centres en Biociencias  
**City participating entity:** Derio, Basque Country, Spain  
**Start date:** 01/09/2016
- 6** **Type of relationship:** Participation in long term collaboration agreements between bodies  
**Name principal investigator (PI, Co-PI....):** Michaela Frye  
**Description of the collaboration:** Generation of genetically modified mouse models for RNA methylases  
**Participating entity/entities:**  
Centre for Cancer Research in Heidelberg  
**City participating entity:** Heidelberg, Germany  
**Start date:** 01/02/2016
- 7** **Type of relationship:** Co-ordinated projects  
**Name principal investigator (PI, Co-PI....):** Elmar Weinhold  
**Description of the collaboration:** Use of S-adenosyl methionine analogs  
**Participating entity/entities:**  
Institute of Organic Chemistry, RWTH Aachen University  
**City participating entity:** Aachen, Germany  
**Start date:** 01/11/2015
- 8** **Type of relationship:** Confirmed publications  
**Name principal investigator (PI, Co-PI....):** Ragnhildur T Karadotir  
**Description of the collaboration:** Isolation, growth and culture of mouse embryonic brains  
**Participating entity/entities:**  
Wellcome Trust - Medical Research Council Stem **Type of entity:** University Research Institute  
Cell Institute - University of Cambridge  
**City participating entity:** Cambridge, United Kingdom  
**Start date:** 01/02/2014
- 9** **Type of relationship:** Confirmed publications  
**Name principal investigator (PI, Co-PI....):** Joseph Gleeson  
**Description of the collaboration:** Analysis of the molecular mechanism by which NSUN2 gene mutations cause Dubowitz-like intellectual disability syndrome  
**Participating entity/entities:**  
Howard Hughes Medical Institute, The Rockefeller **Type of entity:** University  
University  
**City participating entity:** New York, United States of America  
**Start date:** 01/03/2012
- 10** **Type of relationship:** Confirmed publications  
**Name principal investigator (PI, Co-PI....):** German Mouse Clinic  
**Description of the collaboration:** Complete phenotyping of disorders in NSun2 knock-out mice



**Participating entity/entities:**

German Mouse Clinic

**Type of entity:** R&D Centre**City participating entity:** München, Germany**Start date:** 01/07/2011**11 Type of relationship:** Confirmed publications**Name principal investigator (PI, Co-PI...):** Frank Lyko**Description of the collaboration:** Optimisation of bisulphite-converted RNA high throughput techniques and investigation of the impact of double deletion in mice of the RNA m5C-methyltransferases DNMT2 and NSUN2**Participating entity/entities:**

Wellcome Trust - Medical Research Council Stem Cell Institute - University of Cambridge

**Type of entity:** University Research Institute**City participating entity:** Cambridge, United Kingdom

Division of Epigenetics, German Cancer Research Center

**Type of entity:** R&D Centre**City participating entity:** Heidelberg, Germany**Start date:** 01/10/2010**12 Type of relationship:** Participation in long term collaboration agreements between bodies**Name principal investigator (PI, Co-PI...):** Mark Helm**Description of the collaboration:** Detection of RNA covalent modifications by MS-LC of tRNAs lacking NSun2-mediated methylation**Participating entity/entities:**

Johannes Gutenberg University Mainz, Institute for Pharmacy and Biochemistry

**Type of entity:** University Department**City participating entity:** Mainz, Germany**Start date:** 01/10/2010**13 Type of relationship:** Participation in long term collaboration agreements between bodies**Name principal investigator (PI, Co-PI...):** Sabine Dietmann**Description of the collaboration:** Bioinformatic analysis of bisulphite-converted RNA libraries, transfer RNA libraries, Ribosome profiling, ChIP-seq libraries etc**Participating entity/entities:**

Wellcome Trust - Medical Research Council Stem Cell Institute - University of Cambridge

**Type of entity:** University Research Institute**City participating entity:** Cambridge, United Kingdom**Start date:** 01/07/2010**14 Type of relationship:** Confirmed publications**Name principal investigator (PI, Co-PI...):** Duncan T. Odom**Description of the collaboration:** Optimisation and development of new methods to sequence transfer RNAs and optimisation of other next generation sequencing techniques such as Chromatin Immunoprecipitation - seq (ChIP-Seq) and Ribosome Profiling**Participating entity/entities:**

Li Ka Shing Centre, CR?UK Cambridge Institute

**City participating entity:** Cambridge, United Kingdom**Start date:** 01/05/2010



- 15** **Type of relationship:** Confirmed publications  
**Name principal investigator (PI, Co-PI....):** Salvador Aznar-Beitnah  
**Description of the collaboration:** Analysis of the molecular mechanism by which Nsun2 induces differentiation in human keratinocytes  
**Participating entity/entities:**  
Instituto de Investigación Biomédica **Type of entity:** University Research Institute  
**City participating entity:** Barcelona, Catalonia, Spain  
**Start date:** 01/09/2007
- 16** **Type of relationship:** Confirmed publications  
**Name principal investigator (PI, Co-PI....):** Fiona M. Watt  
**Description of the collaboration:** Characterization of the skin phenotype of NSun2 knock-out mice  
**Participating entity/entities:**  
Kings College London **Type of entity:** University Department  
**City participating entity:** London, United Kingdom  
**Start date:** 01/09/2007

### Scientific societies and professional associations

- 1** **Name of the society:** International Society for Stem Cell Research  
**Affiliation entity:** International Society for Stem Cell Research  
**Start-End date:** 01/02/2009 - 31/01/2016
- 2** **Name of the society:** Sociedad Española de Bioquímica y Biología Molecular  
**Affiliation entity:** Sociedad Española de Bioquímica y Biología Molecular  
**Start-End date:** 01/03/2004 - 31/12/2013
- 3** **Name of the society:** Spanish Association of Urology (AEU)  
**Affiliation entity:** Spanish Association of Urology  
**City affiliation entity:** Madrid, Spain  
**Start date:** 01/11/2022
- 4** **Name of the society:** Científicos Retornados a España  
**Affiliation entity:** Científicos Retornados a España  
**City affiliation entity:** Madrid, Spain  
**Start date:** 01/09/2016
- 5** **Name of the society:** Society for Spanish Researchers in the United Kingdom  
**Affiliation entity:** Society for Spanish Researchers in the United Kingdom  
**City affiliation entity:** London, United Kingdom  
**Start date:** 01/07/2013
- 6** **Name of the society:** Asociación Española de Investigación contra Cáncer  
**Affiliation entity:** Asociación Española de Investigación contra Cáncer  
**Start date:** 01/03/2004
- 7** **Name of the society:** EUROPEAN ASSOCIATION FOR CANCER RESEARCH EACR  
**Affiliation entity:** EUROPEAN ASSOCIATION FOR CANCER RESEARCH  
**Start date:** 01/03/2004



## Prizes, mentions and distinctions

- 1** **Description:** Con Nombre de Mujer  
**Awarding entity:** Merck Health Foundation - ASEICA  
**Conferral date:** 15/05/2022
- 2** **Description:** Ramón y Cajal Fellowship  
**Awarding entity:** Agencia Estatal de Investigación  
**Conferral date:** 01/09/2016
- 3** **Description:** Acreditación de Profesor Ayudante Doctor  
**Awarding entity:** Agencia Nacional de Evaluación de la Calidad y Acreditación  
**Type of entity:** statal agency  
**Conferral date:** 18/02/2010