



Raquel Blanco Fuentes

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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.

I obtained my PhD in Biological Sciences in 2005 at the Universidad Autónoma de Madrid. I have worked in several research laboratories of different research areas such as Virology, Cancer and Immunology. During these years I have acquired extensive experience in molecular biology techniques and experimental design. I also developed strong communication skills presenting my research work in national and international meetings both in Spanish and in English. Besides, I wrote scientific papers that are published in international peer-reviewed journals. In addition, I have worked as teaching assistant and I have trained and supervised both undergraduate and PhD students. I have directed a PhD Thesis and supervised a Master's Thesis both defended on 2019 obtaining the maximal qualification. I have been certified as "Profesor Ayudante Doctor" by the ANECA.

During my PhD in the field of Virology, I studied HIV-1 protease. During this period I gained a wide experience in cellular and molecular biology techniques that have been essential for my studies. For my first postdoc at the "Centro Nacional de Investigaciones Oncológicas" (CNIO) I obtained a "Sara Borrell" contract from the "Instituto de Salud Carlos III". I worked on intracellular signaling cascades frequently altered in cancer, to dissect the function of the tumor suppressor LKB1 and we also developed a project on personalized therapy to cancer. Manipulation of samples from human origin was required for the development of these projects. Knowing the basis of the development of immune responses both at the cellular and molecular levels is crucial to be able to modulate them for the treatment of diseases, including cancer. With this premise in mind I conducted my next postdoctoral training on Immunology at the "Centro de Biología Molecular Severo Ochoa" (CBMSO), studying the very early events in the activation of T cells. My main line of research was the characterization of a novel mouse strain bearing a point mutation on the TCR complex. This mutation resulted in impaired signal transduction leading to defects in T cell development and differentiation. We also characterized cooperative effects in ligand binding to the TCR that explain how T cells achieve high specificity and sensitivity while having a low-affinity receptor as the TCR is. I got ample experience in mouse handling. Besides, I have acquired an extensive international experience as the project was developed in the context of a European Union-funded large integrated project.

From April 2015 to July 2019, I have been working at the "Centro Nacional de Biotecnología" where we have described a novel role of the chemokine receptor CCR5 regulating the organization of the TCR on the cell membrane by modulating at least two events, namely ceramide content in the cell and cellular metabolism. This modulation has an implication on T cell metabolism and T cell memory generation and ultimately on the immune response. We have used several mouse models to generate immunological memory and performed multi-Omic analysis to address the molecular mechanisms underlying these effects. Currently I am working for "Landsteiner Genmed S. L." in collaboration with the "Centro Nacional de Biotecnología" in the development of new compounds with antitumoral activity.

I am an expert both in cancer biology and in Immunology. I would describe myself as an enthusiastic and organized person and as a cohesive team member.



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.

Number of Publications: 13.

1publicación como "corresponding author"

Publications en el primer cuartil (Q1): 12 Source: Web of Science.

Número de citas totales: 577 (sept 2021)

Número de citas sin incluir autocitas: 543(sept 2021)

H index: 10 (sept 2021)



Raquel Blanco Fuentes

Surname(s): **Blanco Fuentes**
Name: **Raquel**
ORCID: **0000-0001-5477-5379**
ResearcherID: **M-4290-2015**
Contact aut. region/reg.: **Community of Madrid**
Email: **raquel.blancof@gmail.com**

Current professional situation

Employing entity: Centro Nacional de Biotecnología (CNB)

Professional category: Postdoctoral Researcher

Start date: 01/04/2015

Dedication regime: Full time

Primary (UNESCO code): 240000 - Life Science

Secondary (UNESCO code): 241200 - Immunology

Tertiary (UNESCO code): 241500 - Molecular biology

Previous positions and activities

	Employing entity	Professional category	Start date
1	Centro de Biología Molecular Severo Ochoa (CBMSO)	Postdoctoral Researcher	16/06/2008
2	Centro Nacional de Investigaciones Oncológicas (CNIO)	Postdoctoral Researcher_ Sara Borrell Contract	01/02/2006
3	Centro Nacional de Investigaciones Oncológicas (CNIO)	Postdoctoral Researcher_CNIO grant holder	02/11/2005
4	Centro de Biología Molecular Severo Ochoa (CBMSO)	PhD Student_FPI Grant holder	01/09/2001
5	Centro de Biología Molecular Severo Ochoa (CBMSO)	PhD student_Predoctoral research assistant contract	01/2001
6	Centro de Biología Molecular Severo Ochoa	PhD student_Ayuda para estudiantes de tercer ciclo UAM	01/2000

1 Employing entity: Centro de Biología Molecular Severo Ochoa (CBMSO)

Professional category: Postdoctoral Researcher

Start-End date: 16/06/2008 - 30/06/2014

Duration: 6 years - 14 days

2 Employing entity: Centro Nacional de Investigaciones Oncológicas (CNIO)

Professional category: Postdoctoral Researcher_ Sara Borrell Contract

Start-End date: 01/02/2006 - 15/06/2008

Duration: 2 years - 4 months - 15 days



- 3** **Employing entity:** Centro Nacional de Investigaciones Oncológicas (CNIO)
Professional category: Postdoctoral Researcher_CNIO grant holder
Start-End date: 02/11/2005 - 31/01/2006 **Duration:** 3 months
- 4** **Employing entity:** Centro de Biología Molecular Severo Ochoa (CBMSO)
Professional category: PhD Student_FPI Grant holder
Start-End date: 01/09/2001 - 31/08/2005 **Duration:** 4 years
Type of contract: Grant-assisted student (pre or post-doctoral, others)
- 5** **Employing entity:** Centro de Biología Molecular Severo Ochoa (CBMSO)
Professional category: PhD student_Predoctoral research assistant contract
Start-End date: 01/2001 - 31/08/2001 **Duration:** 7 months - 15 days
- 6** **Employing entity:** Centro de Biología Molecular **Type of entity:** State agency
Severo Ochoa
Professional category: PhD student_Ayuda para estudiantes de tercer ciclo UAM
Start-End date: 01/2000 - 01/2001 **Duration:** 1 year - 10 days



Education

University education

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

- 1** **Name of qualification:** Diploma de estudios avanzados (DEA)
Degree awarding entity: Universidad Autónoma de Madrid **Type of entity:** University
Date of qualification: 10/2001
- 2** **University degree:** Licenciada
Name of qualification: Degree in Biological Sciences
Degree awarding entity: Universidad Autónoma de Madrid **Type of entity:** University
Date of qualification: 1999

Doctorates

Doctorate programme: PhD in Biological Sciences
Degree awarding entity: Universidad Autónoma de Madrid **Type of entity:** University
Date of degree: 30/06/2005

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

- 1** **Training title:** Bioinformatics: sequence alignment, phylogenetic constructions and 3Dstructure of proteins
Awarding entity: Aula Genyca **Type of entity:** Business
End date: 2015 **Duration in hours:** 17 hours
- 2** **Training title:** Course on Clinical Genetics and Genetic Diagnosis.
Awarding entity: Aula Genyca. **Type of entity:** Business
End date: 2014 **Duration in hours:** 25 hours
- 3** **Training title:** Certificate of competence for the carrying out of procedures on laboratory animals (currently "Categoría C")
Awarding entity: Hospital Universitario La Paz **Type of entity:** Healthcare Institutions
End date: 2013
- 4** **Training title:** Mathematical Modeling in Cell Biology
Awarding entity: German Cancer Research Center Summer School **Type of entity:** State agency
End date: 2009



- 5 Training title:** Course on sequence alignment and protein modelling
Awarding entity: Unidad Bioinformática Centro de Biología Molecular Severo Ochoa
End date: 2004
Type of entity: State agency
Duration in hours: 20 hours
- 6 Training title:** Courses on Bioinformatics. Introduction to Linux
Awarding entity: Unidad de Bioinformática del Centro de Biología Molecular “Severo Ochoa” (CSIC-UAM).
End date: 2004
Type of entity: State agency
Duration in hours: 20 hours

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Italian		C1	B1	B1	A1
French		C1	C1	C1	B1
Spanish		C1	C1	C1	C1
English		C1	C1	C1	C1

Teaching experience

Experience supervising doctoral thesis and/or final year projects

- 1 Project title:** Role of CCR5 in the metabolic switch of memory T cells
Entity: Centro Nacional de Biotecnología
Student: Laura Gámez Reche
Date of reading: 28/06/2019
Type of entity: State agency
- 2 Project title:** Papel de CCR5 en la oligomerización del TCR y su relevancia en las respuestas TCD4 de memoria
Entity: Centro Nacional de Biotecnología
Student: Ana Martín Leal
Date of reading: 05/03/2019
Type of entity: State agency

Other activities/achievements not included above

- 1 Description of the activity:** Teaching assistant, Yeast Genetics and Technology. PhD program at UAM
Organising entity: Universidad Autónoma de Madrid
End date: 2004
Type of entity: University
- 2 Description of the activity:** Teaching assistant, Yeast Genetics and Technology. PhD program at UAM
Organising entity: Universidad Autónoma de Madrid
End date: 2003
Type of entity: University
- 3 Description of the activity:** Teaching assistant, Current Trends in Virology. PhD program at UAM
Organising entity: Universidad Autónoma de Madrid
End date: 2002
Type of entity: University



- 4** **Description of the activity:** Teaching assistant, Yeast Genetics and Technology. PhD program at UAM
Organising entity: Universidad Autónoma de Madrid **Type of entity:** University
End date: 2002
- 5** **Description of the activity:** Teaching assistant. Laboratory supervision and practical instruction for undergraduate students
Organising entity: Universidad Autónoma de Madrid **Type of entity:** University
End date: 2001

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:** Tumoral Immunity and Immunotherapy of cancer-IMMUNOTHERCAN (S2010/BMD-2326)
Entity where project took place: Centro Nacional de Biotecnología **Type of entity:** State agency
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Santos Mañes Brotón
Nº of researchers: 9
Funding entity or bodies: Comunidad de Madrid **Type of entity:** Comunidad Autónoma
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 01/01/2012 - 30/04/2016
Total amount: 991.200 €
- 2** **Name of the project:** SYBILLA (Systems biology of T-cell activation in health and disease)
Entity where project took place: Centro de Biología Molecular Severo Ochoa **Type of entity:** State agency
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Markus Feuerer; Pablo Villoslada; Viola Antonella; Jonathan Lindquist; Burkhard Schraven; Bernard Malissen; Marie Malissen; Harri Lähdesmäki; Riitta Lahesmaa; Thomas Hofer; Matthias Gstaiger; Ruedi Aebersold; Gottfried Baier; Lars Fugger; Oreste Acuto; Ed Palmer; Balbino Alarcón Sánchez; Wolfgang Schamel
Nº of researchers: 18
Funding entity or bodies: Unión Europea
Start-End date: 04/2008 - 2014
- 3** **Name of the project:** Biological Relevance of the activation of the tumor suppressor LKB1: implications in the AMPK/TSC7mTOR pathway and role in cell polarization
Entity where project took place: Centro Nacional de Investigaciones Oncológicas **Type of entity:** Healthcare Institutions
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Montserrat Sánchez-Céspedes
Funding entity or bodies:



MINISTERIO DE EDUCACION Y CIENCIA

City funding entity: Spain

Start-End date: 2005 - 2008

4 Name of the project: Characterization of the cytotoxic activity of viral proteases (PM 1999-0002)

Entity where project took place: Centro de Biología **Type of entity:** State agency

Molecular Severo Ochoa

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Luis Carrasco Llamas

Nº of researchers: 4

Funding entity or bodies:

Ministerio de Ciencia y Tecnología

Type of entity: Ministerio

City funding entity: Spain

Start-End date: 2001 - 2005

5 Name of the project: DETERMINACIÓN DE LA FIRMA MOLECULAR INDUCIDA POR PD-1 EN LINFOCITOS T CD8+ HUMANOS .

Entity where project took place: Centro Nacional **Type of entity:** State agency

de Biotecnología

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Santos Mañes Brotón; Raquel Blanco Fuentes

Funding entity or bodies:

Fundación Merck Salud

Type of entity: Foundation

Start date: 2018

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

1 Raquel Blanco; Marta Gómez de Cedrón; Laura Gámez-Reche; Ana Martín-Leal; Alicia Gonzalez Martín; Rosa Ana Lacalle; Ana Ramirez de Molina; Santos Mañes. The chemokine receptor CCR5 links memory CD4+ T cell metabolism to T cell antigen receptor nanoclustering. *Frontiers in Immunology*. 17/11/2021.

Type of production: Scientific paper

Format: Journal

Corresponding author: Yes

2 Immuno-priming durvalumab with bevacizumab in HER2-negative advanced breast cancer: a pilot clinical trial. *Breast Cancer Research*. 22 - 1, Springer Science and Business Media LLC, 12/2020. Available on-line at: <<http://dx.doi.org/10.1186/s13058-020-01362-y>>.

Type of production: Scientific paper

Format: Journal

Impact source: SCOPUS

Impact index in year of publication: 4,988

3 Ana Martin-Leal* Equal contribution; Raquel Blanco* Equal contribution; Josefina Casas; MariaE Saez; Elena Rodríguez-Bovolenta; Itziar Rojas; Carina Dreschler; Luis M Real; Gemma Fabriás; Agustín Ruiz; Mario Castro; Wolfgang WA Schamel; Balbino Alarcón; HisseM Van Santen; Santos Mañes. CCR 5 deficiency impairs CD 4 +



T-cell memory responses and antigenic sensitivity through increased ceramide synthesis. EMBO journal. 39 - 15, EMBO, 03/08/2020. Available on-line at: <<http://dx.doi.org/10.15252/embj.2020104749>>.

Type of production: Scientific paper

Format: Journal

Impact source: SCOPUS

Impact index in year of publication: 8,65

- 4** N. Martin-Blanco; R. Blanco; C. Alda; E. R. Bovolenta; C. L. Oeste; H. van Santen; E. Palmer; W. W. Schamel; G. Lythe; C. Molina- Paris; M. Castro; B. Alarcon. A window of opportunity for allostery in the T cell Receptor complex. Nature Communications. 9 - 1, pp. 2618. 05/07/2018.

Type of production: Scientific paper

Format: Journal

Corresponding author: No

- 5** A Cholesterol-Based Allostery Model of T Cell Receptor Phosphorylation. Immunity. 44 - 5, pp. 1091 - 1101. 17/05/2016.

Type of production: Scientific paper

Format: Journal

Impact source: SCOPUS

Impact index in year of publication: 24,082

Source of citations: WOS

Citations: 6

- 6** Raquel Blanco Fuentes; Aldo Borroto Revuelta; Wolfgang Schamel; Pablo Pereira; Balbino Alarcón Sánchez. Conformational changes in the T cell receptor differentially determine T cell subset development in mice. Sci Signal. 7(354), pp. ra115. 02/12/2014.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: biochemistry and molecular biology

Impact index in year of publication: 6,279

Journal in the top 25%: Yes

Position of publication:

No. of journals in the cat.: 290

Source of citations: WOS

Citations: 6

- 7** Aldo Borroto Revuelta; Irene Arellano Rojo; Raquel Blanco Fuentes; Manuel Fuentes; Orfao; Dopfer; Prouza; Suchànek; Wolfgang W Schamel; Balbino Alarcón Sánchez. Relevance of Nck-CD3 epsilon interaction for T cell activation in vivo. J Immunol. 192 - 5, pp. 2042 - 2053. 01/03/2014.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Immunology

Impact index in year of publication: 4,922

Journal in the top 25%: Yes

Position of publication:

No. of journals in the cat.: 148

Source of citations: WOS

Citations: 12

- 8** Raquel Blanco Fuentes; Reika Iwakawa; Moying Tang; Kohno; Bárbara Angulo; Pio; Luis M Montuenga; Minna; Jun Yokota; Montserrat Sanchez-Céspedes. A gene-alteration profile of human lung cancer cell lines. Hum Mutat. 30 - 8, pp. 1199 - 1206. 08/2009.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Genetics and heredity

Impact index in year of publication: 6,887

Journal in the top 25%: Yes

Position of publication:

No. of journals in the cat.: 146

Source of citations: WOS

Citations: 55



- 9** Julián Carretero; Pedro Medina; Raquel Blanco Fuentes; Smit; Moying Tang; Giovana Roncador; Lorena Maestre; Esther Conde; Fernando López-Ríos; Hans C Clevers; Montserrat Sánchez-Céspedes. Dysfunctional AMPK activity, signalling through mTOR and survival in response to energetic stress in LKB1-deficient lung cancer. *Oncogene*. 26 - 11, pp. 1616 - 1625. 08/03/2007.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Oncology
Impact index in year of publication: 6,44 **Journal in the top 25%:** Yes
Position of publication: **No. of journals in the cat.:** 132
Source of citations: WOS **Citations:** 90
- 10** Raquel Blanco Fuentes; Luis Carrasco Llamas; Iván Ventoso Bande. Cell killing by HIV-1 protease. *J Biol Chem*. 278 - 2, pp. 1086 - 1093. Blanco R, Carrasco L, Ventoso I, 10/01/2003.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Biochemistry and Molecular Biology
Impact index in year of publication: 6,482 **Journal in the top 25%:** Yes
Position of publication: **No. of journals in the cat.:** 261
Source of citations: WOS **Citations:** 46
- 11** Iván Ventoso Bande; Raquel Blanco Fuentes; Celia Perales Viejo; Luis Carrasco Llamas. HIV-1 protease cleaves eukaryotic initiation factor 4G and inhibits cap-dependent translation. *Proc Natl Acad Sci U S A*. 98 - 23, pp. 12966 - 12971. 06/11/2001.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Multidisciplinary
Impact index in year of publication: 10,896 **Journal in the top 25%:** Yes
Position of publication: **No. of journals in the cat.:** 0
Source of citations: WOS **Citations:** 82
- 12** R.A. Lacalle; R. Blanco; L. Carmona-Rodriguez; A. Martín-Leal; E. Mira; S. Mañes. Chemokine Receptor Signaling and the Hallmarks of Cancer_ In press. *International Review of Cell and Molecular Biology*. 331, pp. 181 - 244. 28/11/2016.
Type of production: Bibliographic review **Format:** Journal
Corresponding author: No
- 13** Raquel Blanco Fuentes; Balbino Alarcón Sánchez. TCR Nanoclusters as the Framework for Transmission of Conformational Changes and Cooperativity. *Front Immunol*. 2012 May 9;3:115.3, artículo 115, pp. 1 - 7. 09/05/2012.
Type of production: Bibliographic review **Format:** Journal
Impact source: ISI
Source of citations: SCOPUS **Citations:** 7

Works submitted to national or international conferences

- 1** **Name of the conference:** Second INMUNOTHERCAN Symposium Inflammation and Immunity in Cancer
City of event: Madrid, Community of Madrid, Spain
Date of event: 03/12/2015
End date: 04/12/2015
"Oyente".
- 2** **Title of the work:** Role of the TCR conformational change in T-cell development
Name of the conference: Current Trends in Biomedicine: Workshop: "Systems biology of T cells: clinical, experimental and theoretical approaches"
City of event: Baeza, Andalusia, Spain
Date of event: 22/10/2012
End date: 24/10/2012
Organising entity: Universidad Internacional de Andalucía **Type of entity:** University
City organizing entity: Sevilla, Andalusia, Spain
Raquel Blanco Fuentes; Pablo Pereira; Balbino Alarcón Sánchez. "Role of the TCR conformational change in T-cell development".
- 3** **Title of the work:** Oyente
Name of the conference: "Signaling and Gene Expression in Immune System" Symposium
City of event: Turku, Finland
Date of event: 13/08/2012
End date: 14/08/2014
Organising entity: University of Turku/Abo Akademi **Type of entity:** University
University
City organizing entity: Turku, Finland
- 4** **Title of the work:** Oyente
Name of the conference: Freiburg Symposium on Immunodeficiency and beyond
City of event: Friburgo, Germany
Date of event: 29/03/2012
End date: 31/03/2012
Organising entity: University of Freiburg
City organizing entity: Friburgo, Germany
- 5** **Title of the work:** Role of the TCR conformational change during T-cell development
Name of the conference: 15th Joint meeting of the Signal Transduction Society: "Signal transduction, receptors, mediators and genes"
City of event: Weimar, Germany
Date of event: 07/11/2011
End date: 09/11/2011
Organising entity: Signal Transduction Society **Type of entity:** Associations and Groups
City organizing entity: Germany
Nuria Martínez Martín; Balbino Alarcón Sánchez. "Role of the TCR conformational change during T-cell developmen".



- 6** **Title of the work:** Conformational change and cooperativity in the TCR
Name of the conference: International Workshop on Physics of Immunity: Complexity Approach
City of event: Dresde, Germany
Date of event: 04/2011
End date: 04/2011
Organising entity: Max Planck Institute for the Physics of Complex Systems
City organizing entity: Germany
Type of entity: University
- 7** **Title of the work:** Oyente
Name of the conference: INSINET: "Receptors, Signalling Networks and Disease"
City of event: Madrid, Community of Madrid, Spain
Date of event: 23/09/2010
End date: 24/09/2010
Organising entity: INSINET
City organizing entity: Madrid, Community of Madrid, Spain
Type of entity: Associations and Groups
- 8** **Title of the work:** Conformational change at CD3? and correlation with ligand quality
Name of the conference: EMBO Conference series: "Signalling in the immune system: lymphocyte signalling from development to effector function"
City of event: Siena, Italy
Date of event: 12/09/2009
End date: 16/09/2009
Organising entity: Università degli studi di Siena
City organizing entity: Siena, Italy
Type of entity: University
Raquel Blanco Fuentes; Ed Palmer; Balbino Alarcón Sánchez. "Conformational change at CD3? and correlation with ligand quality".
- 9** **Title of the work:** Oyente
Name of the conference: Cantoblanco workshops: "Initiation of antigen receptor signalling"
City of event: Madrid, Community of Madrid, Spain
Date of event: 20/10/2008
End date: 22/10/2008
Organising entity: Centro Nacional de Biotecnología
City organizing entity: Madrid, Community of Madrid, Spain
Type of entity: State agency
- 10** **Title of the work:** Gene alteration profile and correlation to sensitivity to small molecule inhibitors in lung cancer cell lines
Name of the conference: 20th meeting of the European Association for Cancer Research
City of event: Lyon, France
Date of event: 05/07/2008
End date: 08/07/2008
Organising entity: European Association for Cancer Research
City organizing entity: Lyon, France
Type of entity: Foundation
Raquel Blanco Fuentes; Moying Tang; Bárbara Angulo; Montserrat Sánchez-Céspedes. "Gene alteration profile and correlation to sensitivity to small molecule inhibitors in lung cancer cell lines".
- 11** **Title of the work:** Influence of the genotype in the response of lung cancer cells to inhibitors of AMPK and PIK3/Akt/mTOR
Name of the conference: 98th American Association for Cancer Research (AACR) Annual Meeting
City of event: Los Ángeles, United States of America
Date of event: 14/04/2007



End date: 18/04/2007

Organising entity: American Association for Cancer Research **Type of entity:** Foundation

City organizing entity: Filadelfia, Spain

Raquel Blanco Fuentes; Pedro Medina; Julián Carretero; Montserrat Sánchez-Céspedes. "Influence of the genotype in the response of lung cancer cells to inhibitors of AMPK and PIK3/Akt/mTOR".

12 Title of the work: Oyente

Name of the conference: Cantoblanco workshops: "Signalling and Metabolic Pathways in Cancer

City of event: Madrid, Community of Madrid, Spain

Date of event: 2007

End date: 2007

Organising entity: Centro Nacional de Biotecnología **Type of entity:** State agency

13 Title of the work: Oyente

Name of the conference: CNIO Symposium on Molecular Markers and Cancer Therapy

City of event: Madrid, Community of Madrid, Spain

Date of event: 27/11/2006

End date: 29/11/2006

Organising entity: Centro Nacional de Investigaciones Oncológicas **Type of entity:** Healthcare Institutions

14 Title of the work: Inactivation of LKB1 in cancer affects the control of AMPK/MTOR and cell viability upon energetic stress.

Name of the conference: CNIO Cancer Conferences, PTEN and the AKT route

City of event: Madrid, Community of Madrid, Spain

Date of event: 08/05/2006

End date: 10/05/2006

Organising entity: Centro Nacional de Investigaciones Oncológicas **Type of entity:** Healthcare Institutions

City organizing entity: Madrid, Community of Madrid, Spain

Julián Carretero; Raquel Blanco Fuentes; Pedro Medina; Esther Conde; Montserrat Sánchez-Céspedes. "Inactivation of LKB1 in cancer affects the control of AMPK/MTOR and cell viability upon energetic stress.".

15 Title of the work: Oyente

Name of the conference: CNIO Symposium on Molecular Markers and Cancer Therapy

City of event: Madrid, Community of Madrid, Spain

Date of event: 2006

End date: 2006

Organising entity: Centro Nacional de Investigaciones Oncológicas **Type of entity:** Healthcare Institutions

City organizing entity: Madrid, Community of Madrid, Spain

16 Title of the work: Development of a screening assay for HIV-1 protease inhibitors in *Saccharomyces cerevisiae*

Name of the conference: II European Virology

City of event: Madrid, Community of Madrid, Spain

Date of event: 05/09/2004

End date: 05/09/2004

Organising entity: EUROPEAN SOCIETY FOR VIROLOGY **Type of entity:** Associations and Groups

Raquel Blanco Fuentes; Luis Carrasco Llamas; Iván Ventoso Bande. "Development of a screening assay for HIV-1 protease inhibitors in *Saccharomyces cerevisiae*".

17 Title of the work: Papel de la Proteasa del VIH-1 en la Maduración y Patogenia Viral

Name of the conference: VIII Congreso Nacional de Virología

City of event: Barcelona, Catalonia, Spain

Date of event: 12/10/2003

End date: 15/10/2003

Organising entity: SOCIEDAD ESPAÑOLA DE VIROLOGIA

City organizing entity: Madrid, Community of Madrid, Spain

Raquel Blanco Fuentes; Iván Ventoso Bande; Luis Carrasco Llamas. "Papel de la Proteasa del VIH-1 en la Maduración y Patogenia Viral".

18 Title of the work: La expresión de la proteasa del VIH-1 induce lisis en células eucariotas

Name of the conference: VII Congreso Nacional de Virología

City of event: Valencia, Valencian Community, Spain

Date of event: 16/09/2001

End date: 19/09/2001

Organising entity: SOCIEDAD ESPAÑOLA DE VIROLOGIA

City organizing entity: Madrid, Community of Madrid, Spain

Raquel Blanco Fuentes; Iván Ventoso Bande; Luis Carrasco Llamas. "La expresión de la proteasa del VIH-1 induce lisis en células eucariotas".

Other achievements

Stays in public or private R&D centres

1 Entity: University College London

City of entity: Londres, United Kingdom

Start-End date: 19/09/2004 - 08/12/2004

Goals of the stay: Estancia predoctoral

Provable tasks: Tareas de Biología Molecular

Type of entity: University

Duration: 2 months - 18 days

2 Entity: Instituto Karolinska

City of entity: Estocolmo, Sweden

Start-End date: 09/1998 - 09/1998

Goals of the stay: Prácticas

Provable tasks: Técnicas de Biología Molecular

Duration: 30 days

Obtained grants and scholarships

1 Name of the grant: Contrato Sara Borrell

Aims: Post-doctoral

Awarding entity: Instituto de Salud Carlos III

Conferral date: 01/02/2006

End date: 15/06/2008

Entity where activity was carried out: Centro Nacional de Investigaciones Oncológicas

Type of entity: Public Research Body

Duration: 2 years - 4 months - 15 days



- 2** **Name of the grant:** Beca de Formacion de Personal Investigador (FPI)
Aims: Pre-doctoral
Awarding entity: Ministerio de Ciencia y Tecnología **Type of entity:** Ministerio
Conferral date: 01/09/2001 **Duration:** 4 years
End date: 31/08/2005
Entity where activity was carried out: Centro de Biología Molecular Severo Ochoa
- 3** **Name of the grant:** Ayuda para estudiantes de tercer ciclo UAM
Aims: Pre-doctoral
Awarding entity: Universidad Autónoma de Madrid **Type of entity:** University
Conferral date: 01/01/2000 **Duration:** 1 year - 10 days
End date: 01/2001
Entity where activity was carried out: Centro de Biología Molecular Severo Ochoa