



**Eduardo Andres Leon**

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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.

Licenciado en Biología Molecular por la Universidad Autónoma de Madrid, comencé una beca en el Protein Design Group (PDG) perteneciente al CNB (Centro Nacional de Biotecnología-CSIC), bajo la supervisión del Prof. A. Valencia. Allí me centré en el desarrollo de herramientas de minería de textos para el estudio de rutas metabólicas (Hoffmann et al. Science Signaling-2005). También participé en la organización del primer evento creado en el ámbito de la minería de datos y Big data llamado BioCreative (Blaschke C. et al. BMC Bioinformatics-2005).

En 2004, pasé a formar parte del Instituto Nacional de Bioinformática (INB), dirigido por el Prof. Alfonso Valencia, donde adquirí una amplia formación en el desarrollo y la gestión de los servicios computacionales para el análisis de datos biológicos (Navas-Delgado et al. Bioinformática-2006).

Posteriormente, en 2006 me trasladé al Centro Nacional de Investigaciones Oncológicas (CNIO), donde me uní a la Unidad de Bioinformática (Ubio) perteneciente al programa de Biología Computacional, liderado por el Prof. Alfonso Valencia. Allí, me centré en gestionar y desarrollar herramientas computacionales para los investigadores del CNIO. En particular en el desarrollo de software personalizado para grupos experimentales y análisis a gran escala de datos biológicos en el marco de diversas colaboraciones. Entre ellas, destacaría el desarrollo de herramientas para la integración de información biológica (Cases et al. NAR-2007, Andrés-León et al. Database 2016). Bases de datos (Andrés León et al. NAR-2009, Andrés León et al. Database-2015). Estudio de interacciones proteína-proteína (Pazos et al, Methods Mol. B-2008) y análisis de redes de interacción de proteínas (García-Jiménez, PloS One-2010), interacciones miRNA-ARNm (Andres-Leon E. et al. Sci Report-2017).

Además, he colaborado en diversos análisis con RNAs no codificantes (Frenkel- Morgenstern, NAR-2013), en particular con miRNAs y su contribución en el cáncer como el linfoma difuso de células B grandes (Martín-Pérez, Leukemia-2012) o el cáncer de mama (Tanic et al. British Journal of Cancer, 2013, Matamala N. et al Clin Chem-2015, Matamala N et al. Oncotarget-2016), linfomas de Burkitt (Ambrosio MR et al, Infect Agent Cancer-2014).

En 2013, me incorporé al IBIS (Instituto de Biomedicina de Sevilla) como responsable técnico de la unidad de bioinformática, dentro del grupo de biología computacional y bioinformática (CbBio) a cargo de la Dr. Ana M. Rojas. Dentro de la unidad me encargué del análisis de todo tipo de datos, como clínicos (Garcia-Martinez J et al. NAR-2016, Molina-Pinelo S et al Oncotarget-2016, Andrés-León et al, Sci Reports-2016).

Desde 2015, soy responsable de la unidad de bioinformática del Instituto de Parasitología y Biomedicina "Lopez-Neyra". Mis funciones principales son las ayudar a los investigadores a obtener resultados de experimentos derivados de la biomedicina, como cáncer, enfermedades autoinmunes y genéticas (A Saura et al. EMBO reports, A Egui et al. Antimicrobial agents and chemotherapy, E Andrés-León et al. Scientific reports, E Andrés-León et al. Methods, V de Araujo Farias et al. Molecular cancer, M Karaky et al. Human molecular genetics (2018), S García-Rodríguez et al. Scientific reports, CJ Lynch et al. Cell reports, E Andrés-León et al.



Scientific reports, E Andrés-León et al. Nature-Springer, S Molina-Pinelo et al. Oncotarget, E Andrés-León et al. Database, Becerra S et al Wiley RNA-2016).



## 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.

- \* No total de artículos: 34
- \* No total de artículos Q1: 28
- \* No total de artículos de primer autor: 9
- \* No total de artículos de autor de correspondencia: 6
- \* Índice h: 16

## Eduardo Andres Leon

Surname(s): **Andres Leon**  
Name: **Eduardo**  
ORCID: **0000-0002-0621-9914**  
ScopusID: **12772442200**  
ResearcherID: **K-8944-2014**  
Publons: **1181269**

### Current professional situation

**Employing entity:** Instituto de Parasitología y Biomedicina López-Neyra  
**Department:** Unidad de Bioinformática, Dpto. Biología Molecular  
**Professional category:** Titulado Superior en actividades técnicas y profesionales  
**Start date:** 01/04/2015  
**Type of contract:** Temporary employment      **Dedication regime:** Full time contract  
**Primary (UNESCO code):** 241500 - Molecular biology  
**Identify key words:** Computational biology

### Previous positions and activities

	<b>Employing entity</b>	<b>Professional category</b>	<b>Start date</b>
<b>1</b>	Instituto de Biomedicina de Sevilla (IBIS)	Técnico para el apoyo a la investigación	2013
<b>2</b>	Fundacion de Hipercolesterolemia Familiar.	Analista de datos	2013
<b>3</b>	Centro Nacional de Investigaciones Oncológicas (CNIO)	Técnico para el apoyo a la investigación	2006
<b>4</b>	Instituto Nacional de Bioinformática (INB)	Desarrollador de servicios y bases de datos web	2004
<b>5</b>	Centro Nacional de Biotecnología. (CNB-CSIC)	Investigador Predoctoral	2001

**1** **Employing entity:** Instituto de Biomedicina de Sevilla (IBIS)      **Type of entity:** Healthcare Institutions  
**Professional category:** Técnico para el apoyo a la investigación  
**Start-End date:** 2013 - 2015

**2** **Employing entity:** Fundacion de Hipercolesterolemia Familiar.  
**Professional category:** Analista de datos  
**Start-End date:** 2013 - 2015

**3**



**Employing entity:** Centro Nacional de Investigaciones Oncológicas (CNIO)  
**Professional category:** Técnico para el apoyo a la investigación  
**Start-End date:** 2006 - 2013

**4** **Employing entity:** Instituto Nacional de Bioinformática (INB)  
**Professional category:** Desarrollador de servicios y bases de datos web  
**Start-End date:** 2004 - 2006

**5** **Employing entity:** Centro Nacional de Biotecnología. (CNB-CSIC)  
**Professional category:** Investigador Predoctoral  
**Start-End date:** 2001 - 2004



## Education

### University education

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

**University degree:** Higher degree

**Name of qualification:** Licenciatura en Ciencias Biológicas

**Degree awarding entity:** Universidad Autónoma de Madrid (UAM) **Type of entity:** University

**Date of qualification:** 2001

#### Doctorates

**Doctorate programme:** Programa Oficial de Doctorado en Bioquímica, Biología Molecular, Biomedicina y Biotecnología (Biociencias Moleculares)

**Degree awarding entity:** Universidad Autónoma de Madrid **Type of entity:** University

**Date of degree:** 2017

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

- 1 Training title:** Desarrollo avanzado de aplicaciones en Python  
**Awarding entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**End date:** 31/10/2019 **Duration in hours:** 60 hours
- 2 Training title:** Excel Avanzado  
**Awarding entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**End date:** 31/10/2019 **Duration in hours:** 40 hours
- 3 Training title:** GATK: From reads to disease variants  
**Awarding entity:** Broad Institute & FPS **Type of entity:** Foundation  
**End date:** 25/10/2019 **Duration in hours:** 30 hours
- 4 Training title:** Iniciación a Python  
**Awarding entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**End date:** 24/06/2019 **Duration in hours:** 60 hours
- 5 Training title:** Advanced RNA-Seq and Chip-Seq Data Analysis Course  
**Awarding entity:** European Bioinformatics Institute  
**End date:** 2014



- 6 Training title:** Computing for data Analysis  
**Awarding entity:** John Hopkins University  
**End date:** 2013
- 7 Training title:** Programación científica en C  
**Awarding entity:** Centro de Supercomputación de Galicia  
**End date:** 2012  
**Type of entity:** State agency  
**Duration in hours:** 20 hours

## Teaching experience

### General teaching experience

- 1 Name of the course:** Introducciona a la programación científica  
**University degree:** Diploma de especializacion en bioinformatica  
**End date:** 2020  
**Entity:** Universidad Pablo de Olavide  
**Type of entity:** University
- 2 Name of the course:** Programación avanzada en bioinformática  
**University degree:** Master Universitario en Bioinformática  
**End date:** 2020  
**Entity:** Universidad Pablo de Olavide  
**Type of entity:** University
- 3 Name of the course:** Introducciona a la programación científica  
**University degree:** Diploma de especializacion en bioinformatica  
**End date:** 2019  
**Entity:** Universidad Pablo de Olavide  
**Type of entity:** University
- 4 Name of the course:** Master en Bioinformática aplicada a la medicina personalizada y la salud  
**University degree:** Master en Bioinformática  
**End date:** 2019  
**Entity:** FUNDACION CENTRO NACIONAL DE INVESTIGACIONES ONCOLOGICAS CARLOS III
- 5 Name of the course:** Introducciona a la programación científica  
**University degree:** Diploma de especializacion en bioinformatica  
**End date:** 2018  
**Entity:** Universidad Pablo de Olavide  
**Type of entity:** University
- 6 Name of the course:** Programación avanzada en bioinformática  
**University degree:** Master Universitario en Bioinformática  
**End date:** 2018  
**Entity:** Universidad Pablo de Olavide  
**Type of entity:** University
- 7 Name of the course:** Introducciona a la programación científica2018  
**University degree:** Diploma de especializacion en bioinformatica  
**End date:** 2017  
**Entity:** Universidad Pablo de Olavide  
**Type of entity:** University





- 8** **Name of the course:** Programación avanzada en bioinformática  
**University degree:** Master Universitario en Bioinformática  
**End date:** 2017  
**Entity:** Universidad Pablo de Olavide **Type of entity:** University
- 9** **Name of the course:** Introducción a la programación científica 2018  
**University degree:** Diploma de especialización en bioinformática  
**End date:** 2016  
**Entity:** Universidad Pablo de Olavide **Type of entity:** University
- 10** **Name of the course:** Programación en Python en bioinformática  
**University degree:** Master de Bioinformática  
**End date:** 2014  
**Entity:** Instituto de Salud Carlos III **Type of entity:** Public Research Body  
**Faculty, institute or centre:** Escuela Nacional de Sanidad
- 11** **Name of the course:** Programación en Perl en bioinformática  
**University degree:** Master de Bioinformática  
**End date:** 2013  
**Entity:** Instituto de Salud Carlos III **Type of entity:** Public Research Body  
**Faculty, institute or centre:** Escuela Nacional de Sanidad
- 12** **Name of the course:** Genómica comparativa  
**University degree:** Master en Bioinformática  
**End date:** 2012  
**Entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Faculty, institute or centre:** Facultad de Ciencias Químicas
- 13** **Name of the course:** Programación en Perl y bases de datos  
**University degree:** Master en Bioinformática  
**End date:** 2012  
**Entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Faculty, institute or centre:** Facultad de Ciencias Químicas
- 14** **Name of the course:** Genómica comparativa  
**University degree:** Master en Bioinformática  
**End date:** 2011  
**Entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Faculty, institute or centre:** Facultad de Ciencias Químicas
- 15** **Name of the course:** Programación en Perl y bases de datos  
**University degree:** Master en Bioinformática  
**End date:** 2011  
**Entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Faculty, institute or centre:** Facultad de Ciencias Químicas
- 16** **Name of the course:** Programación en Perl y bases de datos  
**University degree:** Master en Bioinformática  
**End date:** 2010  
**Entity:** Universidad Complutense de Madrid **Type of entity:** University



**Faculty, institute or centre:** Facultad de Ciencias Químicas

**17 Name of the course:** Programacion en Perl y bases de datos

**University degree:** Master en Bioinformatica

**End date:** 2009

**Entity:** Universidad Complutense de Madrid

**Type of entity:** University

**Faculty, institute or centre:** Facultad de Ciencias Químicas

**18 Name of the course:** Programacion en Perl y bases de datos

**University degree:** Master en Bioinformatica

**End date:** 2008

**Entity:** Universidad Complutense de Madrid

**Type of entity:** University

**Faculty, institute or centre:** Facultad de Ciencias Químicas

**19 Name of the course:** Programacion en Perl y bases de datos

**University degree:** Master en Bioinformatica

**End date:** 2007

**Entity:** Universidad Complutense de Madrid

**Type of entity:** University

**Faculty, institute or centre:** Facultad de Ciencias Químicas

**20 Name of the course:** Programacion en Perl y bases de datos

**University degree:** Master en Bioinformatica

**End date:** 2006

**Entity:** Universidad Complutense de Madrid

**Type of entity:** University

**Faculty, institute or centre:** Facultad de Ciencias Químicas

**21 Name of the course:** Programacion en Perl y bases de datos

**University degree:** Master en Bioinformatica

**End date:** 2005

**Entity:** Universidad Complutense de Madrid

**Type of entity:** University

**Faculty, institute or centre:** Facultad de Ciencias Químicas

**22 Name of the course:** Programacion en Perl y bases de datos

**University degree:** Master en Bioinformatica

**End date:** 2004

**Entity:** Universidad Complutense de Madrid

**Type of entity:** University

**Faculty, institute or centre:** Facultad de Ciencias Químicas

**23 Name of the course:** Programacion en Perl y bases de datos

**University degree:** Master en Bioinformatica

**End date:** 2003

**Entity:** Universidad Complutense de Madrid

**Type of entity:** University

**Faculty, institute or centre:** Facultad de Ciencias Químicas

**24 Name of the course:** Bases de datos en Bioinformática

**University degree:** Curso de doctorado en Biología molecular

**End date:** 2002

**Entity:** Universidad Autónoma de Madrid

**Type of entity:** University

**Faculty, institute or centre:** Facultad de Ciencias



- 25 Name of the course:** Programacion en Perl y bases de datos  
**University degree:** Master en Bioinformatica  
**End date:** 2002  
**Entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Faculty, institute or centre:** Facultad de Ciencias Químicas

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

- 1 Project title:** Integración de datos “ómicos” para el estudio del desarrollo y evolución del tumor de próstata.  
**Entity:** Universidad Pablo de Olavide **Type of entity:** University  
**Student:** Jose María González Cabezuelo  
**Date of reading:** 17/01/2020
- 2 Project title:** RNA-Seq Transcriptome Analysis for the Study of Prostate Cancer Development and Evolution  
**Entity:** Universidad de Granada **Type of entity:** University  
**Student:** Esther Sauras Colon  
**Date of reading:** 10/09/2019
- 3 Project title:** MetaFora: a bioinformatic pipeline for characterization of organisms from the new generation metagenomics  
**Entity:** Universidad Pablo de Olavide **Type of entity:** University  
**Student:** Irene Villa Machio  
**Date of reading:** 11/12/2018
- 4 Project title:** Influence of different methodologies in the analysis of a 16S dataset  
**Entity:** Universidad Pablo de Olavide **Type of entity:** University  
**Student:** Cirenía Arias Baldrich  
**Date of reading:** 02/10/2018
- 5 Project title:** Identificación de potenciales miRNAs de diferentes especies de hongos comestibles  
**Entity:** Instituto de Salud Carlos III **Type of entity:** Public Research Body  
**Student:** Francisco Marin Martin  
**Date of reading:** 19/02/2017
- 6 Project title:** Identificación de genes y microRNAs implicados en procesos de diferenciación celular tiroidea.  
**Entity:** FUNDACION CENTRO NACIONAL DE INVESTIGACIONES ONCOLOGICAS CARLOS III  
**Student:** Javier Perales Paton  
**Date of reading:** 04/10/2013

## Teaching experience in courses and seminars for university teacher training

- 1 Type of event:** Curso  
**Name of the event:** Estadística descriptiva y comprobación de hipótesis científicas  
**Organising entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**Hours of teaching:** 25  
**Teaching date:** 18/03/2019



- 2** **Type of event:** Curso  
**Name of the event:** I Descriptive statistics and hypothesis testing  
**Organising entity:** Instituto de Parasitología y Biomedicina López-Neyra **Type of entity:** State agency  
**Hours of teaching:** 20  
**Teaching date:** 2017
- 3** **Type of event:** Curso  
**Name of the event:** II Descriptive statistics and hypothesis testing  
**Organising entity:** Instituto de Parasitología y Biomedicina López-Neyra **Type of entity:** State agency  
**Hours of teaching:** 20  
**Teaching date:** 2017
- 4** **Type of event:** Curso  
**Name of the event:** III Descriptive statistics and hypothesis testing  
**Organising entity:** Instituto de Parasitología y Biomedicina López-Neyra **Type of entity:** State agency  
**Hours of teaching:** 20  
**Teaching date:** 2017
- 5** **Type of event:** Curso  
**Name of the event:** III course on Introduction to R programming  
**Organising entity:** Instituto de Parasitología y Biomedicina López-Neyra **Type of entity:** State agency  
**Hours of teaching:** 20  
**Teaching date:** 2016
- 6** **Type of event:** Curso  
**Name of the event:** I course on Introduction to R programming  
**Organising entity:** Instituto de Parasitología y Biomedicina López-Neyra **Type of entity:** State agency  
**Hours of teaching:** 20  
**Teaching date:** 2015
- 7** **Type of event:** Curso  
**Name of the event:** II course on Introduction to R programming  
**Organising entity:** Instituto de Parasitología y Biomedicina López-Neyra **Type of entity:** State agency  
**Hours of teaching:** 20  
**Teaching date:** 2015
- 8** **Type of event:** Curso  
**Name of the event:** Introduction to Microarray Gene Expression Analysis  
**Organising entity:** INSTITUTO DE BIOMEDICINA DE SEVILLA **Type of entity:** State agency  
**Hours of teaching:** 16  
**Teaching date:** 2014



- 9** **Type of event:** Curso de Verano  
**Name of the event:** Curso de verano de la Universidad Complutense de Madrid  
**Organising entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Hours of teaching:** 4  
**Teaching date:** 11/07/2013

## Participation in conferences with talks focused on teacher training

- 1** **Name of the event:** III Jornadas Docentes e Investigadores de Bioinformática  
**Type of event:** Workshop  
**City of event:** Granada, Andalusia, Spain  
**Date of presentation:** 14/02/2019  
**Organising entity:** Universidad de Granada **Type of entity:** University
- 2** **Name of the event:** II Jornadas Docentes e Investigadores de Bioinformática  
**Type of event:** Workshop  
**City of event:** Granada, Andalusia, Spain  
**Date of presentation:** 15/02/2018  
**Organising entity:** Universidad de Granada **Type of entity:** University

## 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:** ESTUDIO DE GENES CANDIDATOS EN EL CÁNCER DE PRÓSTATA, UNA NUEVA ESTRATEGIA EN EL TRATAMIENTO  
**Entity where project took place:** Universidad de Granada **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** Maria Jesus Alvarez Cubero; Luis Javier Martínez González  
**Nº of researchers:** 3  
**Funding entity or bodies:** Consejería de Salud de la Junta de Andalucía **Type of entity:** Publico  
**City funding entity:** Sevilla, Andalusia, Spain  
**Start-End date:** 2019 - 31/12/2021 **Duration:** 3 years  
**Participating entity/entities:** Instituto de Parasitología y Biomedicina López-Neyra; Universidad de Granada  
**Total amount:** 60.000 €
- 2** **Name of the project:** MAPEO FINO Y EXPRESIÓN DE LOS GENES DEL HLA USANDO NUEVAS TECNOLOGÍAS DE SECUENCIACIÓN Y APLICACIÓN EN ESCLEROSIS MÚLTIPLE  
**Entity where project took place:** Instituto de Parasitología y Biomedicina López-Neyra **Type of entity:** State agency  
**City of entity:** Granada,  
**Name principal investigator (PI, Co-PI....):** Fuencisla Matesanz del Barrio  
**Funding entity or bodies:**



Consejería de Innovación, Ciencia y Empleo.

**Type of entity:** State agency

**Code according to the funding entity:** P12-CTS-2704

**Start-End date:** 01/02/2014 - 31/12/2020

- 3** **Name of the project:** ESTUDIO DE UN PERFIL MOLECULAR COMPLETO EN EL CÁNCER DE PRÓSTATA. ABRIENDO LAS PUERTAS A LA MEDICINA PERSONALIZADA.  
**Entity where project took place:** Universidad de Granada **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** Maria Jesus Alvarez Cubero; Luis Javier Martínez González  
**Nº of researchers:** 3  
**Funding entity or bodies:** Universidad de Granada **Type of entity:** University  
**City funding entity:** Granada, Andalusia, Spain  
**Start-End date:** 2018 - 31/10/2019 **Duration:** 1 year  
**Participating entity/entities:** Instituto de Parasitología y Biomedicina López-Neyra; Universidad de Granada  
**Total amount:** 3.000 €
- 4** **Name of the project:** Análisis de aislados clínicos de Leishmania infantum procedentes de fallo terapéutico: búsqueda de marcadores de resistencia.  
**Entity where project took place:** Instituto de Parasitología y Biomedicina "López-Neyra".  
**Name principal investigator (PI, Co-PI....):** Francisco Gamarro Conde  
**Funding entity or bodies:** Ministerio de Económica Industria y Competitividad (MINECO).  
**Start date:** 2016 **Duration:** 2 years  
**Total amount:** 230.000 €
- 5** **Name of the project:** Caracterización de la regulación posttransduccional de HIF-1alfa por poli(ADPriboseilacion): impacto en el mimetismo vasculogénico en melanoma metastático.  
**Entity where project took place:** Instituto de Parasitología y Biomedicina "López-Neyra"  
**Name principal investigator (PI, Co-PI....):** Javier Oliver Pozo.  
**Funding entity or bodies:** Ministerio de Económica Industria y Competitividad (MINECO).  
**Start date:** 2016 **Duration:** 2 years  
**Total amount:** 220.000 €
- 6** **Name of the project:** Estudio del papel de cortistatina en fibrosis: Potencial aplicación terapéutica en enfermedades crónicas asociadas a daño tisular.  
**Entity where project took place:** Instituto de Parasitología y Biomedicina "López-Neyra"  
**Name principal investigator (PI, Co-PI....):** Mario Delgado Mora  
**Funding entity or bodies:** Ministerio de Económica Industria y Competitividad (MINECO).  
**Start date:** 2016 **Duration:** 2 years  
**Total amount:** 190.000 €
- 7** **Name of the project:** Estudio preclínico y propuesta de Estudio Clínico de la combinación de Pevonedistat (Mln4924) con Doxorubicina, Gemcitabina o Bmn673 (Inhibidor de Parp1) en Sarcoma de Ewing.  
**Entity where project took place:** INSTITUTO DE BIOMEDICINA DE SEVILLA  
**Name principal investigator (PI, Co-PI....):** Daniel García Domínguez

**Funding entity or bodies:**

Junta de Andalucía.

**Start date:** 2016**Duration:** 3 years**Total amount:** 50.000 €**8 Name of the project:** Plataforma de recursos biomoleculares y bioinformáticos, PRB2**Entity where project took place:** Centro Nacional de Investigaciones Oncológicas**Name principal investigator (PI, Co-PI....):** Alfonso Valencia Herrera.**Funding entity or bodies:**

Instituto de Salud Carlos III.

**Start date:** 2013**Duration:** 2 years**9 Name of the project:** CombioMed (Red temática de Investigación cooperativa en biomedicina computacional)**Entity where project took place:** Centro Nacional de Investigaciones Oncológicas**Name principal investigator (PI, Co-PI....):** Alfonso Valencia Herrera.**Funding entity or bodies:**

Instituto de Salud Carlos III.

**Start date:** 2008**Duration:** 5 years**Total amount:** 348.636,32 €**10 Name of the project:** ENFIN (Red experimental para la integración de información)**Entity where project took place:** Centro Nacional de Investigaciones Oncológicas**Name principal investigator (PI, Co-PI....):** Alfonso Valencia Herrera.**Funding entity or bodies:**

Unión Europea

**Start date:** 2006**Total amount:** 200.000 €**11 Name of the project:** Integración de la información en Bacterias: Evolución y Genómica Comparada.**Entity where project took place:** Centro Nacional de Biotecnología**Funding entity or bodies:**

Ministerio de Ciencia e Innovación (MICINN)

**Start date:** 2003**Duration:** 4 years



## Scientific and technological activities

### Scientific production

#### Publications, scientific and technical documents

- 1 Andreu Saura; Paula A Iribarren; Domingo Rojas-Barros; Jean M Bart; Diana Lopez-Farfan; Eduardo Andres-Leon; Isabel Vidal-Cobo; Cordula Boehm; Vanina E Alvarez; Mark C Field; Miguel Navarro. SUMOylated SNF2PH promotes variant surface glycoprotein expression in bloodstream trypanosomes. *EMBO reports*. 06/11/2019.

**Type of production:** Scientific paper **Format:** Journal

**Corresponding author:** No
- 2 A parasite biomarker set for evaluating benznidazole treatment efficacy in patients with chronic asymptomatic *Trypanosoma cruzi* infection. *Antimicrobial agents and chemotherapy*. 29/07/2019.

**Type of production:** Scientific paper **Format:** Journal
- 3 Detection of novel fusion-transcripts by RNA-Seq in T-cell lymphoblastic lymphoma. *Scientific Reports*. 26/03/2019.

**Type of production:** Scientific paper
- 4 Molina-Pinelo S; Salinas A; Moreno-Mata N; Ferrer I; Suarez R; Andrés-León E; Rodríguez-Paredes M; Gutekunst J; Jantus-Lewintre E; Camps C; Carnero A; Paz-Ares L. Impact of DLK1-DIO3 imprinted cluster hypomethylation in smoker patients with lung cancer. *Oncotarget*. 9, pp. 4395 - 4410. 2018.

**DOI:** 10.18632/oncotarget.10611

**PMID:** 29435111

**Type of production:** Scientific paper **Format:** Scientific and technical document or report

**Source of citations:** SCOPUS **Citations:** 8
- 5 Hoffmann R.; Krallinger M.; Andres E.; Tamames J.; Blaschke C.; Valencia A. Text mining for metabolic pathways, signaling cascades, and protein networks. *Science's STKE : signal transduction knowledge environment*. 2005, 2005.

**Type of production:** Bibliographic review

**Source of citations:** SCOPUS **Citations:** 74
- 6 Andres-Leon, Eduardo; Rojas, Ana M. miARma-Seq, a comprehensive pipeline for the simultaneous study and integration of miRNA and mRNA expression data. *METHODS*. 152, 2019. ISSN 1046-2023

**DOI:** 10.1016/j.ymeth.2018.09.002

**PMID:** 30253202

**Corresponding author:** Yes

**Source of citations:** WOS **Citations:** 1
- 7 García-Rodríguez S; Rosal-Vela A; Botta D; Cumba Garcia LM; Zumaquero E; Prados-Maniviesa V; Cerezo-Wallis D; Lo Buono N; Robles-Guirado JÁ; Guerrero S; González-Paredes E; Andrés-León E; Corbí Á; Mack M; Koch-Nolte F; Merino R; Zubiatur M; Lund FE; Sancho J. CD38 promotes pristane-induced chronic inflammation and increases susceptibility to experimental lupus by an apoptosis-driven and TRPM2-dependent mechanism. *Scientific reports*. 8, pp. 3357. 2018.

**DOI:** 10.1038/s41598-018-21337-6





**PMID:** 29463868

- 8** de Araujo Farias V; O'Valle F; Serrano-Saenz S; Anderson P; Andrés E; López-Peñalver J; Tovar I; Nieto A; Santos A; Martín F; Expósito J; Oliver FJ; de Almodóvar JMR. Exosomes derived from mesenchymal stem cells enhance radiotherapy-induced cell death in tumor and metastatic tumor foci. *Molecular cancer*. 17, pp. 122. 2018.  
**DOI:** 10.1186/s12943-018-0867-0  
**PMID:** 30111323
- 9** Lopez-Jimenez, Elena; Rojas, Ana M.; Andres-Leon, Eduardo. RNA sequencing and Prediction Tools for Circular RNAs Analysis. *CIRCULAR RNAs: BIOGENESIS AND FUNCTIONS*. 1087, 2018. ISSN 0065-2598, ISBN 978-981-13-1425-4  
**DOI:** 10.1007/978-981-13-1426-1\_2  
**PMID:** 30259354  
**Corresponding author:** Yes
- 10** Karky, Mohamad; Fedetz, Maria; Potenciano, Victor; Andres-Leon, Eduardo; Esteve Codina, Anna; Barrionuevo, Cristina; Alcina, Antonio; Matesanz, Fuencisla. SP140 regulates the expression of immune-related genes associated with multiple sclerosis and other autoimmune diseases by NF-kappa B inhibition. *HUMAN MOLECULAR GENETICS*. 27, 2018. ISSN 0964-6906  
**DOI:** 10.1093/hmg/ddy284  
**PMID:** 30102396  
**Source of citations:** WOS **Citations:** 1
- 11** Lynch CJ; Bernad R; Calvo I; Nóbrega-Pereira S; Ruiz S; Ibarz N; Martinez-Val A; Graña-Castro O; Gómez-López G; Andrés-León E; Espinosa Angarica V; Del Sol A; Ortega S; Fernandez-Capetillo O; Rojo E; Munoz J; Serrano M. The RNA Polymerase II Factor RPAP1 Is Critical for Mediator-Driven Transcription and Cell Identity. *Cell reports*. 22, pp. 396 - 410. 2018.  
**DOI:** 10.1016/j.celrep.2017.12.062  
**PMID:** 29320736
- 12** Andrés-León E; Cases I; Alonso S; Rojas AM. Novel miRNA-mRNA interactions conserved in essential cancer pathways. *Scientific reports*. 7, pp. 46101. 2017.  
**DOI:** 10.1038/srep46101  
**PMID:** 28387377
- 13** Andrés-León E; Gómez-López G; Pisano DG. Prediction of miRNA-mRNA Interactions Using miRGate. *Methods in molecular biology (Clifton, N.J.)*. 1580, pp. 225 - 237. 2017. ISSN 1064-3745  
**DOI:** 10.1007/978-1-4939-6866-4\_15  
**PMID:** 28439836  
**Corresponding author:** Yes  
**Source of citations:** Scholar **Citations:** 5
- 14** Andrés-León E; Cases I; Arcas A; Rojas AM. DDRprot: a database of DNA damage response-related proteins. *Database : the journal of biological databases and curation*. 2016, 2016.  
**DOI:** 10.1093/database/baw123  
**PMID:** 27577567  
**Source of citations:** Otros **Citations:** 2
- 15** Matamala N; Vargas MT; González-Cámpora R; Arias JI; Menéndez P; Andrés-León E; Yanowsky K; Llaneza-Folgueras A; Miñambres R; Martínez-Delgado B; Benítez J. MicroRNA deregulation in triple negative breast cancer reveals a role of miR-498 in regulating BRCA1 expression. *Oncotarget*. 7, pp. 20068 - 79. 2016.



**DOI:** 10.18632/oncotarget.7705

**PMID:** 26933805

**Source of citations:** Otros

**Citations:** 5

- 16** García-Martínez J; Delgado-Ramos L; Ayala G; Pelechano V; Medina DA; Carrasco F; González R; Andrés-León E; Steinmetz L; Warringer J; Chávez S; Pérez-Ortín JE. The cellular growth rate controls overall mRNA turnover, and modulates either transcription or degradation rates of particular gene regulons. *Nucleic acids research*. 44, pp. 3643 - 58. 2016. ISSN 0305-1048

**DOI:** 10.1093/nar/gkv1512

**PMID:** 26717982

**Source of citations:** Otros

**Citations:** 8

- 17** Andrés-León E; Núñez-Torres R; Rojas AM. miARma-Seq: a comprehensive tool for miRNA, mRNA and circRNA analysis. *Scientific reports*. 6, pp. 25749. 2016.

**DOI:** 10.1038/srep25749

**PMID:** 27167008

**Corresponding author:** Yes

**Source of citations:** Scholar

**Citations:** 44

- 18** Becerra S; Andrés-León E; Prieto-Sánchez S; Hernández-Munain C; Suñé C. Prp40 and early events in splice site definition. *Wiley interdisciplinary reviews. RNA*. 7, pp. 17 - 32. 2015. ISSN 1757-7004

**DOI:** 10.1002/wrna.1312

**PMID:** 26494226

**Source of citations:** Otros

**Citations:** 3

- 19** Matamala N; Vargas MT; González-Cámpora R; Miñambres R; Arias JI; Menéndez P; Andrés-León E; Gómez-López G; Yanowsky K; Calvete-Candenas J; Inglada-Pérez L; Martínez-Delgado B; Benítez J. Tumor microRNA expression profiling identifies circulating microRNAs for early breast cancer detection. *Clinical chemistry*. 61, pp. 1098 - 106. 2015. ISSN 0009-9147

**DOI:** 10.1373/clinchem.2015.238691

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**Source of citations:** Otros

**Citations:** 25

- 20** Andrés-León E; González Peña D; Gómez-López G; Pisano DG. miRGate: a curated database of human, mouse and rat miRNA-mRNA targets. *Database : the journal of biological databases and curation*. 2015, pp. bav035. 2015.

**DOI:** 10.1093/database/bav035

**PMID:** 25858286

**Corresponding author:** Yes

**Source of citations:** Scholar

**Citations:** 51

- 21** Tanic, Miljana; Yanowski, Kira; Andres, Eduardo; Gomez-Lopez, Gonzalo; Rodriguez-Pinilla Socorro, Maria; Pisano, David G.; Martinez-Delgado, Beatriz; Benitez, Javier. miRNA expression profiling of formalin-fixed paraffin-embedded (FFPE) hereditary breast tumors. *GENOMICS DATA*. 3, 2015. ISSN 2213-5960

**DOI:** 10.1016/j.gdata.2014.11.008

**PMID:** 26484152

**Source of citations:** WOS

**Citations:** 5



- 22** Alonso, Rodrigo. Lipoprotein(a) Levels in Familial Hypercholesterolemia An Important Predictor of Cardiovascular Disease Independent of the Type of LDL Receptor Mutation. *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*. 63, 2014. ISSN 0735-1097  
**Source of citations:** WOS **Citations:** 63
- 23** Ambrosio, Maria Raffaella; Navari, Mohsen; Di Lisio, Lorena; Leon, Eduardo Andres; Onnis, Anna; Gazaneo, Sara; Mundo, Lucia; Ulivieri, Cristina; Gomez, Gonzalo; Lazzi, Stefano; Piris, Miguel Angel; Leoncini, Lorenzo; De Falco, Giulia. The Epstein Barr-encoded BART-6-3p microRNA affects regulation of cell growth and immuno response in Burkitt lymphoma. *INFECTIOUS AGENTS AND CANCER*. 9, 2014. ISSN 1750-9378  
**DOI:** 10.1186/1750-9378-9-12  
**PMID:** 24731550  
**Source of citations:** WOS **Citations:** 24
- 24** Tanic, M.; Andres, E.; Rodriguez-Pinilla, S. M.; Marquez-Rodas, I.; Cebollero-Presmanes, M.; Fernandez, V.; Osorio, A.; Benitez, J.; Martinez-Delgado, B. MicroRNA-based molecular classification of non-BRCA1/2 hereditary breast tumours. *BRITISH JOURNAL OF CANCER*. 109, 2013. ISSN 0007-0920  
**DOI:** 10.1038/bjc.2013.612  
**PMID:** 24104964  
**Source of citations:** WOS **Citations:** 11
- 25** Frenkel-Morgenstern M; Gorohovski A; Lacroix V; Rogers M; Ibanez K; Boullosa C; Andres Leon E; Ben-Hur A; Valencia A. ChiTaRS: a database of human, mouse and fruit fly chimeric transcripts and RNA-sequencing data. *Nucleic acids research*. 41, pp. D142 - 51. 2012. ISSN 0305-1048  
**DOI:** 10.1093/nar/gks1041  
**PMID:** 23143107  
**Source of citations:** Otros **Citations:** 21
- 26** EBV-Bart-6-3p induces cell proliferation and escape of immunosurveillance in BL cell lines and primary tumours. 2012.
- 27** Martin-Perez, D.; Vargiu, P.; Montes-Moreno, S.; Leon, E. A.; Rodriguez-Pinilla, S. M.; Lisio, L. D.; Martinez, N.; Rodriguez, R.; Mollejo, M.; Castellvi, J.; Pisano, D. G.; Sanchez-Beato, M.; Piris, M. A. Epstein-Barr virus microRNAs repress BCL6 expression in diffuse large B-cell lymphoma. *LEUKEMIA*. 26, 2012. ISSN 0887-6924  
**DOI:** 10.1038/leu.2011.189  
**PMID:** 21788950  
**Source of citations:** WOS **Citations:** 25
- 28** Di Lisio, L.; Onnis, A.; Martinez, N.; De Falco, G.; Andres Leon, E.; Montes-Moreno, S.; Bellan, C.; Tumwine, L.; Mawanda, M.; Ogwang, M.; Piris, M. A.; Leoncini, L. NEW INSIGHTS INTO THE PATHOGENESIS OF BURKITT LYMPHOMA: EBV-ENCODED AND HUMAN MICRORNA PROFILING. *ANNALS OF ONCOLOGY*. 22, 2011. ISSN 0923-7534
- 29** García-Jiménez B; Juan D; Ezkurdia I; Andrés-León E; Valencia A. Inference of functional relations in predicted protein networks with a machine learning approach. *PLoS one*. 5, pp. e9969. 2010.  
**DOI:** 10.1371/journal.pone.0009969  
**PMID:** 20376314  
**Source of citations:** Otros **Citations:** 3



- 30** Andres Leon E; Ezkurdia I; García B; Valencia A; Juan D. EcID. A database for the inference of functional interactions in E. coli. *Nucleic acids research*. 37, pp. D629 - 35. 2008. ISSN 0305-1048  
**DOI:** 10.1093/nar/gkn853  
**PMID:** 19004873  
**Source of citations:** Otros **Citations:** 15
- 31** Pazos, Florencio; Juan, David; Izarzugaza, Jose M. G.; Leon, Eduardo; Valencia, Alfonso. Prediction of Protein Interaction Based on Similarity of Phylogenetic Trees. *FUNCTIONAL PROTEOMICS: METHODS AND PROTOCOLS*. 484, 2008. ISSN 1064-3745, ISBN 978-1-58829-971-0  
**PMID:** 18592199  
**Source of citations:** WOS **Citations:** 14
- 32** CARGO: a web portal to integrate customized biological information. 2007.
- 33** A critical assessment of text mining methods in molecular biology. Proceedings of a workshop. March 28-31, 2004. Granada, Spain. *BMC bioinformatics*. 6 Suppl 1, pp. S1 - 23. 2006.  
**PMID:** 16468169  
**Source of citations:** Otros **Citations:** 4
- 34** Blaschke, C; Leon, EA; Krallinger, M; Valencia, A. Evaluation of BioCreAtIvE assessment of task 2. *BMC BIOINFORMATICS*. 6, 2005. ISSN 1471-2105  
**DOI:** 10.1186/1471-2105-6-S1-S16  
**PMID:** 15960828  
**Source of citations:** WOS **Citations:** 70
- 35** Navas-Delgado I; Rojano-Muñoz Mdel M; Ramírez S; Pérez AJ; Andrés León E; Aldana-Montes JF; Trelles O. Intelligent client for integrating bioinformatics services. *Bioinformatics (Oxford, England)*. 22, pp. 106 - 11. 2005. ISSN 1367-4803  
**DOI:** 10.1093/bioinformatics/bti740  
**PMID:** 16257987  
**Source of citations:** Otros **Citations:** 15

### Works submitted to national or international conferences

- 1** **Title of the work:** Distribución de la huella Pr77 en el genoma de Trypanosoma cruzi y su asociación a transcripción génica  
**Name of the conference:** I Congreso de Investigadores del PTS  
**Corresponding author:** Yes  
**City of event:** Granada, Andalusia, Spain  
**Date of event:** 14/02/2019  
**End date:** 15/02/2019  
**Organising entity:** Universidad de Granada **Type of entity:** University  
**City organizing entity:** Granada, Andalusia, Spain  
Raquel Afonso Lehman; F Macías; Inmaculada Gómez; Eduardo Andres Leon; Manuel Carlos Lopez; Carmen Thomas. "Distribución de la huella Pr77 en el genoma de Trypanosoma cruzi y su asociación a transcripción génica".



- 2** **Title of the work:** Unidades científico técnicas del IPBLN  
**Name of the conference:** I Congreso de Investigadores del PTS  
**Corresponding author:** Yes  
**City of event:** Granada, Andalusia, Spain  
**Date of event:** 14/02/2019  
**End date:** 15/02/2019  
**Organising entity:** Universidad de Granada **Type of entity:** University  
**City organizing entity:** Granada, Andalusia, Spain  
Eduardo Andres Leon. "Unidad de Bioinformática del IPBLN: ciencia de vanguardia en el PTS".
- 3** **Title of the work:** Posibles aplicaciones de NGS: Estudio del transcriptoma del cáncer colorectal  
**Name of the conference:** Jornadas Científicas IPBLN-CSIC  
**Corresponding author:** Yes  
**City of event:** Granada, Andalusia, Spain  
**Date of event:** 19/06/2018  
**End date:** 19/06/2018  
**Organising entity:** Instituto de Parasitología y **Type of entity:** State agency  
Biomedicina López-Neyra  
**City organizing entity:** Granada, Andalusia, Spain  
Eduardo Andres Leon. "Posibles aplicaciones de NGS: Estudio del transcriptoma del cáncer colorectal".
- 4** **Title of the work:** Detection of Fusion-Transcripts as New Biomarkers for T-Cell Lymphoblastic Lymphomas by Using RNA-Seq.  
**Name of the conference:** XI Reunión Anual CIBERER.  
**City of event:** España,  
**Date of event:** 2018  
**Organising entity:** Instituto de Salud Carlos III  
López-Nieva P; Fernández-Navarro P; Graña-Castro O; Andrés-León E; Santos J; Villa-Morales M; Cobos-Fernández MA; González-Sánchez L; Malumbres M; Salazar M; Fernández-Piqueras J.
- 5** **Title of the work:** CD38 promotes pristane-induced chronic inflammation and increased susceptibility to experimental lupus by an apoptosis-driven mechanism, which is TRPM2-dependent and ARTC2.2-independent  
**Name of the conference:** Brainstorming meeting on CD38 and CD157  
**City of event:** Turin, Italy  
**Date of event:** 2017  
**Organising entity:** University degli studi di Torino **Type of entity:** University  
Sonia García-Rodríguez; Antonio Rosal-Vela; Luz M. Cumba Garcia; Esther Zumaquero; Davide Botta; José Ángel Robles-Guirado; Verónica Prados-Maniviesa; Daniela Cerezo-Wallis; Nicola Lo Buono; Carolina Franco-Herrero; Elena González-Paredes; Eduardo Andrés-León; Ángel Corbí; Matthias Mack; Friedrich Koch-Nolte.
- 6** **Title of the work:** CD38 promotes pristane-induced chronic inflammation and increases susceptibility to experimental lupus by an apoptosis-driven mechanism  
**Name of the conference:** Meeting on Dendritic Cells and Macrophages  
**City of event:** Madrid,  
**Date of event:** 2017  
**Organising entity:** Centro Nacional de Biotecnología **Type of entity:** State agency  
Sonia García-Rodríguez; Antonio Rosal-Vela1; Luz M. Cumba Garcia1; Esther Zumaquero; Verónica Prados-Maniviesa; Daniela Cerezo-Wallis; Nicola Lo Buono; Elena González-Paredes; Eduardo Andrés-León; Ángel Corbí; Matthias Mack; Friedrich Koch-Nolte; Frances E. Lund; Ramón Merino; Mercedes Zubiaur.



- 7** **Title of the work:** The Human DNA Damage Response Network database of proteins.  
**Name of the conference:** XXXVII Congreso de la Sociedad Española de Bioquímica y Biología Molecular  
**City of event:** Granada,  
**Date of event:** 2016  
**Organising entity:** Sociedad Española de Biología Molecular (SEEBM)  
Eduardo Andrés-León; Alonso Cases; Ana M. Rojas.
- 8** **Title of the work:** miARma-Seq: a comprehensive tool for miRNA and mRNA analysis  
**Name of the conference:** XXXVII Congreso de la Sociedad Española de Bioquímica y Biología Molecular  
**City of event:** Granada,  
**Date of event:** 2016  
**Organising entity:** Sociedad Española de Biología Molecular (SEEBM)  
Eduardo Andrés-León; Rocío Núñez-Torre; Ana M. Rojas.
- 9** **Title of the work:** An automatic workflow for microRNaseq analysis  
**Name of the conference:** XII Jornadas de Bioinformtica  
**City of event:** Sevilla,  
**Date of event:** 2014  
**Organising entity:** Instituto Nacional de Bioinformtica  
Rocio Nuñez-Torres; Eduardo Andres-Leon; Ana M. Rojas.
- 10** **Title of the work:** miRNA and RNA transcriptome analysis in Hypoxic- temporal Breast cancer series  
**Name of the conference:** Hipoxia, molecular mechanisms and clinical translation  
**City of event:** Sevilla,  
**Date of event:** 2014  
**Organising entity:** INSTITUTO DE BIOMEDICINA DE SEVILLA  
Rocio Nuñez-Torres; Eduardo Andres-Leon; Ana M. Rojas.
- 11** **Title of the work:** miRGate : A web based tool to extract relevant relationships amongst user-defined microRNAs profiles and gene expression.  
**Name of the conference:** XII Symposium on Bioinformatics  
**City of event:** Barcelona,  
**Date of event:** 2012  
**Organising entity:** PRBB  
Eduardo Andres; Daniel Gonzalez; Gonzalo Gomez; David G Pisano. Available on-line at: <based tool to extract relevant relationships amongst user-defined microRNAs profiles and gene expression.>.
- 12** **Title of the work:** From aCGH log-ratios to high-density DNA replication maps  
**Name of the conference:** ECCB  
**City of event:** Cerdeña, Italy  
**Date of event:** 2008  
**Organising entity:** Biosapiens & Embrace **Type of entity:** Public Research Body  
Beatriz García; David Juan; lakes Ezkurdia; Eduardo Andrés Leónand Alfonso Valencia.
- 13** **Title of the work:** Optimizing Protein Network Prediction with “Averaged One-Dependence Estimators”  
**Name of the conference:** ECCB/JBI  
**City of event:** Madrid,  
**Date of event:** 2005  
**Organising entity:** Centro Nacional de Biotecnología **Type of entity:** State agency  
Beatriz García; David Juan; lakes Ezkurdia; Eduardo Andrés León, Alfonso Valencia.

## R&D management and participation in scientific committees

### Scientific, technical and/or assessment committees

- 1** **Committee title:** Comité científico local de las Jornadas de Bioinformática  
**Affiliation entity:** Universidad de Granada **Type of entity:** University  
**Start-End date:** 2018 - 2018
- 2** **Committee title:** Comité científico del programa de bioinformática e Ingeniería biomédica  
**Affiliation entity:** Universidad de Granada **Type of entity:** University  
**City affiliation entity:** Granada, Andalusia, Spain  
**Start-End date:** 2017 - 2017
- 3** **Committee title:** Comité científico del programa de bioinformática e Ingeniería biomédica  
**Affiliation entity:** Universidad de Granada **Type of entity:** University  
**City affiliation entity:** Granada, Andalusia, Spain  
**Start-End date:** 2016 - 2016
- 4** **Committee title:** Comité científico del programa de bioinformática e Ingeniería biomédica  
**Affiliation entity:** Universidad de Granada **Type of entity:** University  
**City affiliation entity:** Granada, Andalusia, Spain  
**Start-End date:** 2015 - 2015
- 5** **Committee title:** Comité científico del programa de bioinformática e Ingeniería biomédica  
**Affiliation entity:** Universidad de Granada **Type of entity:** University  
**City affiliation entity:** Granada, Andalusia, Spain  
**Start-End date:** 2014 - 2014
- 6** **Committee title:** Comité científico del programa de bioinformática e Ingeniería biomédica  
**Affiliation entity:** Universidad de Granada **Type of entity:** University  
**City affiliation entity:** Granada, Andalusia, Spain  
**Start-End date:** 2013 - 2013

### Organization of R&D activities

- 1** **Title of the activity:** A critical assessment of Text Mining Methods in Molecular Biology, BioCreative Europeo de Biología Computacional (ECCB)  
**Type of activity:** Congreso **Geographical area:** Non EU International  
**Convening entity:** EMBO  
**City convening entity:** Madrid, Community of Madrid, Spain  
**Start date:** 2005
- 2** **Title of the activity:** Congreso Europeo de Biología Computacional (ECCB)  
**Type of activity:** Congreso **Geographical area:** Non EU International  
**Convening entity:** Centro Nacional de Biotecnología **Type of entity:** State agency  
**City convening entity:** Madrid, Community of Madrid, Spain  
**Start date:** 2005



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

- 1** **Name of the activity:** AECC Innova  
**Performed tasks:** Member of the evaluation committee  
**Entity where activity was carried out:** FUNDACION CIENTIFICA ASOCIACION ESPAÑOLA CONTRA EL CANCER  
**Start date:** 2020
- 2** **Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Annals of Gastroenterology and Digestive Disorders (ISSN: 2643-2609)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 1
- 3** **Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** BioMed Research International (ISSN:2314-6133)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 1
- 4** **Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Cells (ISSN: 2073-4409)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 1
- 5** **Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Clinical and Translational Oncology (ISSN: 1699-3055)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 1
- 6** **Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** European Journal of Pharmacology (ISSN: 0014-2999)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 1
- 7** **Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Experimental and Therapeutic Medicine (ISSN: 1792-0981)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 1
- 8** **Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** FEBS Open Bio (ISSN: 2211- 5463)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 1
- 9** **Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** International Journal of Environmental Research and Public Health (ISSN: 1660- 4601)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 1





- 10 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Journal of RNA and Genomics (ISSN: 2591-7781)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 1
- 11 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** PeerJ (ISSN: 2376-5992)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 1
- 12 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** The FASEB Journal (ISSN: 0892-6638)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 1
- 13 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** World Journal of Surgical Oncology (ISSN: 1477-7819)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 1
- 14 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** BMC Genomics (ISSN: 1471-2164)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 18
- 15 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Ageing Research Reviews (ISSN: 1568-1637)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 2
- 16 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** BMC Cancer (ISSN: 1471-2407)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 2
- 17 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Cellular Physiology and Biochemistry (ISSN: 1015-8987)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 2
- 18 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** International Journal of Molecular Sciences (ISSN: 1422-0067)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 2
- 19 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Molecules (ISSN: 1420-3049)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 2



- 20 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** BMC Bioinformatics (ISSN:1471-2105)  
**Type of activity:** Review of articles in scientific or technological journals  
**Frequency of the activity:** 29
- 21 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Genes (ISSN: 2073-4425)  
**Type of activity:** Review of articles in scientific or technological journals  
**Frequency of the activity:** 3
- 22 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Mathematical Biosciences and Engineering (ISSN: 2327-8994)  
**Type of activity:** Review of articles in scientific or technological journals  
**Frequency of the activity:** 3
- 23 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Molecular Medicine Reports (ISSN: 1791-2997)  
**Type of activity:** Review of articles in scientific or technological journals  
**Frequency of the activity:** 3
- 24 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Molecular and Cellular Probes (ISSN: 0890-8508)  
**Type of activity:** Review of articles in scientific or technological journals  
**Frequency of the activity:** 3
- 25 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Nucleic Acids Research (ISSN: 0305-1048)  
**Type of activity:** Review of articles in scientific or technological journals  
**Frequency of the activity:** 3
- 26 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Biomedicine & Pharmacotherapy (ISSN: 0753-3322)  
**Type of activity:** Review of articles in scientific or technological journals  
**Frequency of the activity:** 4
- 27 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Database (ISSN: 1758-0463)  
**Type of activity:** Review of articles in scientific or technological journals  
**Frequency of the activity:** 4
- 28 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Journal of Bioinformatics, Computational and Systems Biology (ISSN: 2688-5107)  
**Type of activity:** Review of articles in scientific or technological journals  
**Frequency of the activity:** 4
- 29 Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** FEBS Letter (ISSN: 0014-5793)  
**Type of activity:** Review of articles in scientific or technological journals  
**Frequency of the activity:** 6



- 30** **Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Bioinformatics (ISSN: 1367-4803)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 8
  
- 31** **Performed tasks:** Scientific Reviewer  
**Entity where activity was carried out:** Scientific Reports (ISSN: 2045-2322)  
**Type of activity:** Review of articles in scientific or technological journals      **Frequency of the activity:** 8

## Other achievements

### Prizes, mentions and distinctions

**Description:** Premio al mejor poster en el congreso: XI jornadas de Bioinformática.  
**Awarding entity:** Comité científico de las XI jornadas de Bioinformática.  
**City awarding entity:** Barcelona, Catalonia, Spain  
**Conferral date:** 2012