



## **Ander Díaz Navarro**

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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 began my research career in 2013 during my undergraduate studies in Biochemistry and Molecular Biology at the University of the Basque Country, investigating the role of microRNAs in chronic lymphocytic leukemia under the supervision of Prof. África García Orad. Later in 2016, I joined the laboratory of Prof. Xose Antón Suárez Puente at the University of Oviedo, where I completed both my Master's and PhD in Biomedicine and Molecular Oncology, co-supervised by Dr. Ana Gutiérrez Fernández and funded by an FPI PhD Fellowship (a very competitive fellowship awarded by the Basque Government). My Doctoral Thesis focused on the study of non-coding mutations in cancer, particularly in hematological malignancies, integrating molecular and cellular biology with bioinformatic analyses of genomes, exomes, and transcriptomes. During this period, I contributed to the discovery and experimental validation of a recurrent mutation in the small nuclear RNA U1 across different cancer types, published in Nature, for which I am co-first author. I also conducted a research stay at the University of Oulu (Finland) under the supervision of Dr. Valerio Izzi, funded by an EMBO Scientific Exchange Grant. There, I specialized in the analysis of the extracellular matrix and the impact of U1 mutations on the tumor microenvironment, resulting in an additional publication. For my Doctoral Thesis, I was awarded the "International PhD" with "Cum Laude" distinction and the "Extraordinary Doctoral Award" from the University of Oviedo, in recognition of the excellence of my dissertation. Additionally, during my doctoral studies I contributed to the development of two bioinformatic tools, Rfcaller (PII-2022-0006) and Armadillo (PII-2022-0007), for which we established an intellectual property transfer agreement between the University of Oviedo and the company BatchX to integrate these tools into their system.

In 2023, I began my postdoctoral project at the University of Toronto and the Ontario Institute for Cancer Research under the supervision of Dr. Lincoln Stein and Dr. Bo Wang, supported by a Fellowship in Genome Data Science co-funded by CANSSI Ontario and Ontario Genomics. There, I developed an artificial intelligence algorithm capable of generating synthetic tumors to evaluate and improve genomic analysis tools. This work was published in Cell Genomics, where I am first and co-corresponding author. The presentation of this project earned me the "Ontario Rising Stars in Cancer Research Network Award" at the OICR Translational Research Conference. Currently, to foster the use of this tool, I co-lead a multidisciplinary working group within the International Cancer Genome Consortium (ICGC-ARGO).

To date, I have published 17 articles in high-impact journals (11 in D1, 2 in Q1), which have collectively been cited more than 1,200 times, as well as 2 preprints that have been presented at national and international conferences. Of these publications, I am first or co-first author in three and corresponding author in two. I have also served as



a peer reviewer for journals such as BioData Mining, Microbial Genomics and Briefings in Bioinformatics.

In addition to research, I have developed a strong vocation for teaching and knowledge transfer. During my doctoral studies, I co-directed a Master's Thesis and delivered 130 hours of lectures in Health Sciences, taught the "BioData" course at the University of Oulu, and supervised a Master's thesis. Furthermore, I am co-founder of the "Asturias R Group," a non-profit organization that promotes the use of R through courses and scientific visualization contests for students, teachers, and researchers, in collaboration with other research centers such as the Foundation for Biosanitary Research and Innovation of the Principality of Asturias (FINBA). Finally, I was recently invited as a guest lecturer for the Master's program in Biochemistry, Molecular Biology, and Biomedicine at the Complutense University of Madrid.



## Leadership Merits

Brief presentation of the merits related to leadership activities of special relevance.

- Co-leader of the Benchmarking Working Group within the International Cancer Genome Consortium – Accelerating Research in Genomic Oncology (ICGC-ARGO) organization



## 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.

- Periodo de investigación: 2017-2025
- Índice-H (Google Scholar): 11
- Número total de publicaciones: 16 + 1 (capítulo de libro) + 2 (preprints)
- Número total de citas (Google Scholar): 1238
- Publicaciones: D1-11, Q1-3, Q2-1, Emerging-1
- Publicaciones de primer autor: 3 + 1 (preprint)
- Publicaciones de autor de correspondencia: 2
- Acreditación de profesor ayudante doctor por la ANECA



## Ander Díaz Navarro

Surname(s): Díaz Navarro  
 Name: Ander  
 DNI: [REDACTED]  
 ORCID: 0000-0001-6808-4800  
 ScopusID: 57200258969  
 ResearcherID: GAI-2498-2022  
 Date of birth: [REDACTED]  
 Gender: Male  
 Nationality: Spain  
 Country of birth: Spain  
 Aut. region/reg. of birth: País Vasco  
 Contact province: Asturias  
 City of birth: [REDACTED]  
 Contact address: Avenida del Hospital Universitario  
 Rest of contact address: S/N  
 Postcode: 33011  
 Contact country: Spain  
 Contact aut. region/reg.: Asturias, Principado de  
 Contact city: Oviedo  
 Email: ander.d.navarro@gmail.com  
 Mobile phone: [REDACTED]  
 Personal web page: <https://anderdnavarro.github.io/>

### Current professional situation

- Employing entity:** Instituto de Investigación Sanitaria del Principado de Asturias **Type of entity:** Administrative Body of the National Health System  
**Department:** Cancer Epigenetics and Nanomedicine, Fundación para la Investigación y la Innovación Biosanitaria del Principado de Asturias  
**Professional category:** Postdoctoral Fellow  
**Start date:** 15/01/2026  
**Type of contract:** Grant-assisted student (pre or post-doctoral, others) **Dedication regime:** Full time
- Employing entity:** Ontario Institute for Cancer Research **Type of entity:** R&D Centre  
**Department:** Adaptive Oncology  
**Professional category:** External Contributor  
**City employing entity:** Canada  
**Start date:** 28/06/2025

### Previous positions and activities



	Employing entity	Professional category	Start date
1	Ontario Institute for Cancer Research	Postdoctoral Fellow	20/03/2025
2	University of Toronto	Postdoctoral Fellow	20/03/2023
3	Universidad de Oviedo	Research Assistant	16/01/2023
4	Universidad de Oviedo	Research Assistant	15/07/2022
5	Universidad de Oviedo	PhD Student	01/09/2017

**1** **Employing entity:** Ontario Institute for Cancer Research **Type of entity:** R&D Centre  
**Department:** Adaptive Oncology  
**City employing entity:** Toronto, Canada  
**Professional category:** Postdoctoral Fellow  
**Start-End date:** 20/03/2025 - 27/06/2025 **Duration:** 3 months - 7 days  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Full time

**2** **Employing entity:** University of Toronto **Type of entity:** University  
**Department:** Department of Molecular Genetics, Faculty of Medicine  
**City employing entity:** Toronto, Canada  
**Professional category:** Postdoctoral Fellow  
**Start-End date:** 20/03/2023 - 19/03/2025 **Duration:** 2 years  
**Type of contract:** Grant-assisted student (pre or post-doctoral, others)  
**Dedication regime:** Full time

**3** **Employing entity:** Universidad de Oviedo **Type of entity:** University  
**Department:** Departamento de Bioquímica y Biología Molecular, Facultad de Medicina  
**Professional category:** Research Assistant  
**Start-End date:** 16/01/2023 - 03/03/2023 **Duration:** 1 month - 15 days  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Full time

**4** **Employing entity:** Universidad de Oviedo **Type of entity:** University  
**Department:** Departamento de Bioquímica y Biología Molecular, Facultad de Medicina  
**Professional category:** Research Assistant  
**Start-End date:** 15/07/2022 - 31/12/2022 **Duration:** 5 months - 16 days  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Full time

**5** **Employing entity:** Universidad de Oviedo **Type of entity:** University  
**Department:** Departamento de Bioquímica y Biología Molecular, Facultad de Medicina  
**City employing entity:** Oviedo, Asturias, Principado de, Spain  
**Professional category:** PhD Student  
**Start-End date:** 01/09/2017 - 14/07/2022 **Duration:** 4 years - 10 months - 14 days  
**Type of contract:** Grant-assisted student (pre or post-doctoral, others)  
**Dedication regime:** Full time

**Performed tasks:** - Actividad investigadora - Colaboración docente

**Applicability in teaching and/or research:** - Manejo de técnicas de bioquímica y biología molecular - Manejo de cultivos celulares - Experiencia en análisis bioinformáticos (WGS, WES, RNAseq, ...) - Co-dirección de un Trabajo Fin de Máster (Identificación de alteraciones somáticas en regiones repetitivas en muestras tumorales) - 130h de colaboración docente - Durante este



periodo, estancia en la Facultad de Bioquímica y Medicina Molecular de la Universidad de Oulu (Finlandia) - Impartición de un curso de 5 ECTS ("Bio-data") durante la estancia en Oulu

## Summary of professional activity



## Education

### University education

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

- 1 University degree:** Higher degree  
**Name of qualification:** Master in Biomedicine and Molecular Oncology  
**Degree awarding entity:** Universidad de Oviedo      **Type of entity:** University  
**Date of qualification:** 06/2017
- 2 University degree:** Higher degree  
**Name of qualification:** Bachelor's Degree in Biochemistry and Molecular Biology  
**Degree awarding entity:** Universidad del País Vasco      **Type of entity:** University  
**Date of qualification:** 06/2016

#### Doctorates

**Doctorate programme:** PhD in Biomedicine and Molecular Oncology  
**Degree awarding entity:** Universidad de Oviedo      **Type of entity:** University  
**Date of degree:** 22/07/2022  
**European doctorate:** Yes      **Date of certificate:** 22/07/2022  
**Thesis director:** Xose Antón Suárez Puente  
**Thesis co-director:** Ana Gutiérrez Fernández  
**Recognition of quality:** Yes

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

- 1 Training title:** Ética en la Investigación animal. El principio de las tres erres  
**Awarding entity:** Universidad de Oviedo      **Type of entity:** University  
**End date:** 02/06/2022      **Duration in hours:** 2 hours
- 2 Training title:** Spain and Portugal animal welfare, model refinement and advocacy webinar: technology and science  
**Awarding entity:** Centro Nacional de Biotecnología      **Type of entity:** State agency  
**End date:** 17/05/2022      **Duration in hours:** 3 hours
- 3 Training title:** Evaluación de la severidad: Reconocimiento del dolor, el sufrimiento y la angustia en animales de experimentación  
**Awarding entity:** Universidad de Oviedo      **Type of entity:** University  
**End date:** 22/04/2022      **Duration in hours:** 2 hours



- 4 Training title:** Normativa sobre la capacitación para trabajar con animales de experimentación y su mantenimiento  
**Awarding entity:** Universidad de Oviedo  
**End date:** 07/04/2022  
**Type of entity:** University  
**Duration in hours:** 2 hours
- 5 Training title:** Introducción al diseño experimental y cálculo del tamaño muestral con animales de experimentación  
**Awarding entity:** Universidad de Oviedo  
**End date:** 28/05/2020  
**Type of entity:** University  
**Duration in hours:** 8 hours
- 6 Training title:** Transparencia y responsabilidad en experimentación animal  
**Awarding entity:** Universidad de Oviedo  
**End date:** 18/07/2019  
**Type of entity:** University  
**Duration in hours:** 2 hours
- 7 Training title:** Curso básico de genómica del cáncer  
**Awarding entity:** CIBERONC  
**End date:** 07/06/2019  
**Type of entity:** State agency  
**Duration in hours:** 26 hours
- 8 Training title:** Función de eutanasia de los animales: Función B  
**Awarding entity:** Universidad del País Vasco  
**End date:** 10/05/2019  
**Type of entity:** University  
**Duration in hours:** 24 hours
- 9 Training title:** Función de realización de los procedimientos: Función C  
**Awarding entity:** Animalaria Formación y Gestión  
**End date:** 10/05/2019  
**Type of entity:** Empresa de formación  
**Duration in hours:** 57 hours
- 10 Training title:** Ética en la experimentación animal: Aplicación práctica del principio de las 3Rs  
**Awarding entity:** Universidad de Oviedo  
**End date:** 04/12/2018  
**Type of entity:** University  
**Duration in hours:** 10 hours
- 11 Training title:** Introducción a la programación en python  
**Awarding entity:** Universidad de Oviedo  
**End date:** 19/05/2018  
**Type of entity:** University  
**Duration in hours:** 20 hours

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

**Title of course/seminar:** Train-the-Trainer

**Goals of the course/seminar:** Integrate the principles of Inclusivity, Diversity, Equity, and Accessibility (IDEA) into workshops and training in bioinformatics

**Organising entity:** Bioinformatics.ca

**Duration in hours:** 20 hours

**Start-End date:** 27/05/2025 - 24/06/2025



## Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	B2	B2	B2	B2	B2

## Teaching experience

### General teaching experience

- 1** **Type of teaching:** International teaching  
**Name of the course:** Bio-Data  
**Type of teaching:** Virtual  
**Type of subject:** Optional  
**University degree:** Grado en Medicina y Biología  
**Start date:** 01/11/2021 **End date:** 06/12/2021  
**Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 5  
**Entity:** University of Oulu **Type of entity:** University  
**Faculty, institute or centre:** Biochemistry and Molecular Medicine  
**City of entity:** Finland  
**Subject language:** English
- 2** **Type of teaching:** Official teaching  
**Name of the course:** Bioquímica  
**Type of teaching:** Laboratory work  
**Type of subject:** Obligatory  
**University degree:** Grado en Enfermería  
**Start date:** 2020 **End date:** 2021  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 15  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Faculty, institute or centre:** Bioquímica y Biología Molecular
- 3** **Type of teaching:** Official teaching  
**Name of the course:** Bioquímica  
**Type of teaching:** Laboratory work  
**Type of subject:** Obligatory  
**University degree:** Grado en Fisioterapia  
**Start date:** 2020 **End date:** 2021  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 15  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Faculty, institute or centre:** Bioquímica y Biología Molecular



- 4** **Type of teaching:** Official teaching  
**Name of the course:** Biología Computacional  
**Type of teaching:** Laboratory work  
**Type of subject:** Optional  
**University degree:** Grado en Biología  
**Start date:** 2019 **End date:** 2020  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 14  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Faculty, institute or centre:** Bioquímica y Biología Molecular
- 5** **Type of teaching:** Official teaching  
**Name of the course:** Bioquímica  
**Type of teaching:** Laboratory work  
**Type of subject:** Obligatory  
**University degree:** Grado en Química  
**Start date:** 2019 **End date:** 2020  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 14  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Faculty, institute or centre:** Bioquímica y Biología Molecular
- 6** **Type of teaching:** Official teaching  
**Name of the course:** Bioquímica  
**Type of teaching:** Laboratory work  
**Type of subject:** Obligatory  
**University degree:** Grado en Medicina  
**Start date:** 2019 **End date:** 2020  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 30  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Faculty, institute or centre:** Bioquímica y Biología Molecular
- 7** **Type of teaching:** Official teaching  
**Name of the course:** Biología Computacional  
**Type of teaching:** Laboratory work  
**Type of subject:** Optional  
**University degree:** Grado en Biología  
**Start date:** 2018 **End date:** 2019  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 28  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Faculty, institute or centre:** Bioquímica y Biología Molecular
- 8** **Type of teaching:** Official teaching  
**Name of the course:** Bioquímica  
**Type of teaching:** Laboratory work  
**Type of subject:** Obligatory  
**University degree:** Grado en Química  
**Start date:** 2018 **End date:** 2019  
**Type of hours/ ECTS credits:** Hours



**Hours/ECTS credits:** 14

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Faculty, institute or centre:** Bioquímica y Biología Molecular

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

**Project title:** Identificación de alteraciones somáticas en regiones repetitivas en muestras tumorales

**Type of project:** Trabajo Final de Máster

**Co-director of thesis:** Ander Díaz Navarro

**Entity:** Universidad de Oviedo

**Type of entity:** University

**City of entity:** Oviedo, Asturias, Principado de, Spain

**Student:** Pablo Bousquets Muñoz

**Obtained qualification:** 10

**Date of reading:** 12/06/2019

## Courses and seminars given

- 1** **Type of event:** Course  
**Name of the event:** Introducción a R  
**Organising entity:** Grupo de R de Asturias **Type of entity:** Associations and Groups  
**Hours of teaching:** 20  
**Teaching date:** 23/09/2025  
**Theme:** Formación Docente
- 2** **Type of event:** Course  
**Name of the event:** Introducción a R  
**Organising entity:** Grupo de R de Asturias **Type of entity:** Associations and Groups  
**Hours of teaching:** 20  
**Teaching date:** 15/01/2023  
**Theme:** Formación Docente
- 3** **Type of event:** Course  
**Name of the event:** Introducción a R  
**Organising entity:** Grupo de R de Asturias **Type of entity:** Associations and Groups  
**Hours of teaching:** 20  
**Teaching date:** 15/02/2022  
**Theme:** Formación Docente

## Participation in innovative teaching projects

- 1** **Project title:** Empleo de píldoras formativas para la enseñanza práctica en Ciencias Experimentales  
**Type of participation:** Team member  
**Funding entity:** Universidad de Oviedo **Type of entity:** University  
**Start-End date:** 09/2020 - 12/2020
- 2** **Project title:** Herramientas colaborativas y de visualización mediante dispositivos móviles para la docencia en Ciencias Experimentales  
**Type of participation:** Team member



**Funding entity:** Universidad de Oviedo  
**Start-End date:** 09/2019 - 12/2019

**Type of entity:** University

## Participation in conferences with talks focused on teacher training

- Name of the event:** XII Foro internacional sobre evaluación de la calidad de la investigación y la educación superior  
**Type of event:** Conference  
**City of event:** Sevilla, Andalucía, Spain  
**Organising entity:** FECIES **Type of entity:** Associations and Groups  
**City organizing entity:** Sevilla, Andalucía, Spain  
 Aplicación de códigos QR en la enseñanza universitaria.
- Name of the event:** XII Foro internacional sobre evaluación de la calidad de la investigación y la educación superior  
**Type of event:** Conference  
**City of event:** Sevilla, Andalucía, Spain  
**Organising entity:** FECIES **Type of entity:** Associations and Groups  
**City organizing entity:** Sevilla, Andalucía, Spain  
 Nuevo sistema de evaluación: Evaluación inversa.

## Other activities/achievements not included above

**Description of the activity:** Conference for the Master in Biochemistry, Molecular Biology and Biomedicine  
**City of activity:** Madrid, Madrid, Comunidad de, Spain  
**Organising entity:** Universidad Complutense de Madrid **Type of entity:** University  
**End date:** 31/10/2025

## Scientific and technological experience

### Scientific or technological activities

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

- Name of the project:** Immunotherapeutic Targeting of the u1 snRNA Mutation in Cancer  
**Entity where project took place:** Ontario Institute for **Type of entity:** Public Research Body  
 Cancer Research  
**Name principal investigator (PI, Co-PI...):** Lincoln Stein  
**Funding entity or bodies:**  
 Canadian Institutes of Health Research  
**Start-End date:** 10/2020 - 09/2025  
**Total amount:** 623.688 €



- 2** **Name of the project:** Medicina de precisión genómica en neoplasias linfoides (PREGENLINF)  
**Entity where project took place:** Instituto de Investigaciones Biomédicas August Pi i Sunyer (IDIBAPS)  
**City of entity:** Barcelona, Cataluña, Spain  
**Nº of researchers:** 65  
**Start-End date:** 2022 - 03/03/2023  
**Total amount:** 3.619.389 €
- 3** **Name of the project:** Functional characterization of mutations in cancer driver genes involved in RNA-maturation (PID2020-117185RB-I00)  
**Entity where project took place:** Universidad de Oviedo **Type of entity:** University  
**City of entity:** Oviedo, Asturias, Principado de, Spain  
**Funding entity or bodies:** Ministerio de Ciencia e Innovación **Type of entity:** Agencia Estatal  
**Start-End date:** 2020 - 03/03/2023  
**Total amount:** 266.200 €
- 4** **Name of the project:** Mutations Altering RNA-Maturation and de novo Mutations in Cancer (SAF2017-87811R)  
**Entity where project took place:** Universidad de Oviedo **Type of entity:** University  
**City of entity:** Oviedo, Asturias, Principado de, Spain  
**Funding entity or bodies:** Ministerio de Economía y Competitividad **Type of entity:** State agency  
**City funding entity:** Spain  
**Start-End date:** 2017 - 2020  
**Total amount:** 200.000 €

### Supervised artistic projects

**Description:** Obra ilustración científica  
**Name of the exhibition:** Il Concurso de ilustración científica de la Universidad de Oviedo  
**Authors (by signature order):** Ander Díaz Navarro  
**City activity:** Oviedo, Asturias, Principado de, Spain  
**Start date:** 20/10/2022  
**Award:** Primer premio  
**Title of the publication:** Cadena de energía  
**Type of contribution:** Artistic and creative work

## Results

### Results derived from specialized and transfer activities, not included in previous sections

- 1** **Description:** Desarrollo de la herramienta "Armadillo"  
**Name of the principal Investigator (PI):** Xose Antón Suárez Puente  
**Degree of contribution:** Desarrollador  
**Collaborating entity or bodies:** Universidad de Oviedo  
**Type of entity:** University
- 2** **Description:** Desarrollo de la herramienta "RFcaller"  
**Name of the principal Investigator (PI):** Xose Antón Suárez Puente  
**Degree of contribution:** Desarrollador principal  
**Collaborating entity or bodies:** Universidad de Oviedo  
**Type of entity:** University

## Scientific and technological activities

### Scientific production

**H index:** 11  
**Date of application:** 16/01/2026  
**Source of H-Index:** GOOGLE SCHOLAR

### Publications, scientific and technical documents

- 1** Ander Díaz-Navarro; Xindi Zhang; Wei Jiao; Bo Wang; Lincoln Stein. In silico generation of synthetic cancer genomes using generative AI - D1. Cell Genomics. pp. 100969 - 100969. 08/2025.  
**DOI:** 10.1016/j.xgen.2025.100969  
**Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 5  
**Impact source:** WOS (JCR)  
**Impact index in year of publication:** 9  
**Position of publication:** 9  
**Relevant publication:** No  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** Yes  
**Category:** Science Edition - GENETICS & HEREDITY  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 191
- 2** Micaela E. Consens; Ander Díaz Navarro; Vivian Chu; Lincoln Stein; Housheng Hansen He; Alan Moses; Bo Wang. Interpreting Attention Mechanisms in Genomic Transformer Models: A Framework for Biological Insights. bioRxiv. 27/06/2025.  
**DOI:** 10.1101/2025.06.26.661544  
**Type of production:** Scientific paper  
**Position of signature:** 1

**Total no. authors:** 7

- 3** Ferran Nadeu; Shimin Shuai; Guillem Clot; Laura K. Hilton; Ander Diaz-Navarro; Silvia Martín; Romina Royo; Tycho Baumann; Marta Kulis; Irene López-Oreja; Manuel Cossio; Junyan Lu; Viktor Ljungström; Emma Young; Karla Plevova; Binyamin A. Knisbacher; Ziao Lin; Cynthia K. Hahn; Pablo Bousquets; Miguel Alcoceba; Marcos González; Enrique Colado; Ángel R. Payer; Marta Aymerich; María J. Terol; Alfredo Rivas-Delgado; Anna Enjuanes; Silvia Ruiz-Gaspà; Thomas Chatzikonstantinou; Daniel Hägerstrand; Cecilia Jylhä; Aron Skafason; Larry Mansouri; Kamila Stranska; Michael Doubek; Ellen J. Van Gastel-Mol; Zadie Davis; Renata Walewska; Lydia Scarfò; Livio Trentin; Andrea Visentin; Sameer A. Parikh; Kari G. Rabe; Riccardo Moia; Marine Armand; Davide Rossi; Frederic Davi; Gianluca Gaidano; Neil E. Kay; Tait D. Shanafelt; Paolo Ghia; David Oscier; Anton W. Langerak; Silvia Beà; Armando López-Guillermo; Donna Neuberg; Catherine J. Wu; Gad Getz; Sarka Pospisilova; Kostas Stamatopoulos; Richard Rosenquist; Wolfgang Huber; Thorsten Zenz; Dolores Colomer; José I. Martín-Subero; Julio Delgado; Ryan D. Morin; Lincoln D. Stein; Xose S. Puente; Elías Campo. Disease-specific U1 spliceosomal RNA mutations in mature B-cell neoplasms - D1. Leukemia. 06/2025. Available on-line at: <<https://www.nature.com/articles/s41375-025-02667-7>>.

**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 5**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 70**Corresponding author:** No

- 4** Valeria Rolle; Petya Chaveeva; Ander Díaz Navarro; Irene Fernández Buhigas; Diana Cuenca Gómez; Tanya Tilkova; Belén Santacruz; Teresa Pérez; María M Gil. Continuous Risk Assessment of Late and Term Preeclampsia Throughout Pregnancy: A Retrospective Cohort Study - Q1. Medicina. 21/11/2024.

**DOI:** 10.3390/medicina60121909**Type of production:** Scientific paper**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Position of signature:** 3**Corresponding author:** Yes**Total no. authors:** 9

- 5** Ana S Pitiot; Pilar Blay; Ander Díaz Navarro; Sara Fernández Arrojo; Rosa Romero; Ángel Alvarez Eguiluz; Marta G Alvarado; Nieves Álvarez; Paula García Tejjido; Yolanda Fernández; Isabel Palacio; Xose Suárez Puente; Milagros Balbín. Featuring BRCA1 and BRCA2 germline mutational landscape from Asturias (North Spain) - Q2. Clinical Genetics. 14/06/2024.

**DOI:** 10.1111/cge.14580**Type of production:** Scientific paper**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Position of signature:** 3**Corresponding author:** No**Total no. authors:** 13

- 6** Ander Diaz Navarro; Pablo Bousquets Muñoz; Ferran Nadeu; Sara López Tamargo; Silvia Beà; Elias Campo; Xose Suárez Puente. RFcaller: a machine learning approach combined with read-level features to detect somatic mutations - Emerging. NAR Genomics and Bioinformatics. 30/05/2023.

**DOI:** 10.1093/nargab/lqad056**Type of production:** Scientific paper**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Position of signature:** 1**Corresponding author:** No**Total no. authors:** 7

- 7** Ferran Nadeu; Romina Royo; Ramon Massoni Badosa; Heribert Playa Albinyana; Beatriz Garcia Torre; Martí Duran Ferrer; Kevin J Dawson; Marta Kulis; Ander Díaz Navarro; Neus Villamor; Juan L Melero; Vicente Chapaprieta; Ana Dueso Barroso; Julio Delgado; Riccardo Moia; Sara Ruiz Gil; Domenica Marchese; Ariadna Giró; Núria Verdaguer Dot; Mónica Romo; Guillem Clot; Maria Rozman; Gerard Frigola; Alfredo Rivas Delgado; Tycho Baumann; Miguel Alcoceba; Marcos González; Fina Climent; Pau Abrisqueta; Josep Castellví; Francesc Bosch; Marta Aymerich; Anna Enjuanes; Silvia Ruiz Gaspà; Armando López Guillermo; Pedro Jares; Silvia Beà; Salvador Capella Gutierrez; Josep Li Gelp; Nuria López Bigas; David Torrents; Peter J Campbell; Ivo Gut; Davide Rossi; Gianluca Gaidano; Xose Antón



Suárez Puente; Pablo M García Roves; Dolors Colomer; Holger Heyn; Francesco Maura; Jose I Martín Subero; Elias Campo. Detection of early seeding of Richter transformation in chronic lymphocytic leukemia - D1. *Nature Medicine*. 28, pp. 1662 - 1671. 11/08/2022.

**DOI:** 10.1038/s41591-022-01927-8

**Type of production:** Scientific paper

**Position of signature:** 9

**Total no. authors:** 52

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**8** Binyamin A Knisbacher; Ziao Lin; Cynthia K Hahn; Ferran Nadeu; Marti Duran Ferrer; Kristen E Stevenson; Eugen Tausch; Julio Delgado; Alex Barbera Mourelle; Amaro Taylor Weiner; Pablo Bousquets Muñoz; Ander Díaz Navarro; Andrew Dunford; Shankara Anand; Helene Kretzmer; Jesús Gutiérrez Abril; Sara López Tamargo; Stacey M Fernandes; Clare Sun; Mariela Sivina; Laura Z. Rassenti; Christof Schneider; Shuqiang Li; Laxmi Parida; Alexander Meissner; Francois Aguet; Jan A Burger; Adrian Wiestner; Thomas J Kipps; Jennifer Brown; Michael Hallek; Chip Stewart; Donna S. Neuberg; Jose I Martín Subero; Xose Antón Suárez Puente; Stephan Stilgenbauer; Catherine J Wu; Elias Campo; Gad Getz. Molecular map of chronic lymphocytic leukemia and its impact on outcome - D1. *Nature Genetics*. 04/08/2022.

**DOI:** 10.1038/s41588-022-01140-w

**Type of production:** Scientific paper

**Position of signature:** 12

**Total no. authors:** 39

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**9** Juho Kontio; Valeria Rolle Soñora; Vilma Pesola; Rijuta Lamba; Annalena Dittmann; Ander Diaz Navarro; Jarkko Koivunen; Taina Pihlajaniemi; Valerio Izzì. Analysis of extracellular matrix network dynamics in cancer using the MatriNet database - D1. *Matrix Biology*. 110, pp. 141 - 150. 06/05/2022. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0945053X22000713>>. ISSN 0945-053X

**DOI:** 10.1016/j.matbio.2022.05.006

**Type of production:** Scientific paper

**Position of signature:** 6

**Total no. authors:** 9

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**10** Pablo Bousquets Muñoz; Ander Díaz Navarro; Ferran Nadeu; Ana Sánchez Pitiot; Sara López Tamargo; Shimin Shuai; Milagros Balbín; Jose M.C. Tubio; Silvia Bea; Jose I Martín Subero; Ana Gutiérrez Fernández; Lincoln D. Stein; Elias Campo; Xose Antón Suárez Puente. PanCancer analysis of somatic mutations in repetitive regions reveals recurrent mutations in snRNA U2 - Q1. *npj Genomic Medicine*. 7 - 19, *Nature*, 14/03/2022.

**DOI:** 10.1038/s41525-022-00292-2

**Type of production:** Scientific paper

**Position of signature:** 2

**Total no. authors:** 14

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**11** Laura Escudero; Anna Llorç; Alexandra Arias; Ander Díaz Navarro; Francisco Martínez Ricarte; Carlota Rubio Pérez; Regina Mayor; Ginevra Caratù; Elena Martínez Sáez; Élica Vázquez Méndez; Iván Lesende Rodríguez; Raquel Hladun; Luis Gros; Santiago Ramón y Cajal; Maria A Poca; Xose Antón Suárez Puente; Juan Sahuquillo; Soledad Gallego; Joan Seoane. Circulating tumour DNA from the cerebrospinal fluid allows the characterisation and monitoring of medulloblastoma - D1. *Nature Communications*. 11 - 1, 12/2020.

**DOI:** 10.1038/s41467-020-19175-0

**Type of production:** Scientific paper

**Position of signature:** 4

**Total no. authors:** 19

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

- 12** Ferran Nadeu; David Martin Garcia; Guillem Clot; Ander Díaz Navarro; Martí Duran Ferrer; Alba Navarro; Roser Vilarrasa Blasi; Marta Kulis; Romina Royo; Jesús Gutiérrez Abril; Rafael Valdés Mas; Cristina López; Vicente Chapaprieta; Montserrat Puiggros; Giancarlo Castellano; Dolors Costa; Marta Aymerich; Pedro Jares; Blanca Espinet; Ana Muntañola; Inmaculada Ribera Cortada; Reiner Siebert; Dolors Colomer; David Torrents; Eva Gine; Armando López Guillermo; Ralf Küppers; Jose I Martin Subero; Xose Antón Suárez Puente; Silvia Bea; Elias Campo. Genomic and epigenomic insights into the origin, pathogenesis, and clinical behavior of mantle cell lymphoma subtypes - D1. *Blood*. 136 - 12, pp. 1419 - 1432. 17/09/2020.  
**DOI:** 10.1182/blood.2020005289  
**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 31  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No
- 13** Ferran Nadeu; Ander Díaz Navarro; Julio Delgado; Xose Antón Suárez Puente; Elias Campo. Genomic and Epigenomic Alterations in Chronic Lymphocytic Leukemia. - D1. *Annual Review of Pathology: Mechanisms of Disease*. 15, pp. 149 - 177. 01/01/2020.  
**DOI:** 10.1146/annurev-pathmechdis-012419-032810  
**Type of production:** Scientific paper  
**Position of signature:** 2  
**Total no. authors:** 5  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No
- 14** Hiromichi Suzuki; Sachin A Kumar; Shimin Shuai; Ander Díaz Navarro; Ana Gutierrez Fernandez; Pasqualino De Antonellis; Florence M.G Cavalli; Kyle Juraschka; Hamza Farooq; Ichiyo Shibahara; Maria C Vladioiu; Jiao Zhang; Namal Abeyesundara; David Przelicki; Patryk Skowron; Nicole Gauer; Betty Luu; Craig Daniels; Xiaochong Wu; Antoine Forget; Ali Momin; Jun Wang; Weifan Dong; Seung-Ki Kim; Wieslawa A Grajkowska; Anne Jouvét; Michelle Fèvre-Montange; Maria Luisa Garrè; Amulya A Nageswara Rao; Caterina Giannini; Johan M Kros; Pim J French; Nada Jabado; Ho-Keung Ng; Wai Sang Poon; Charles G Eberhart; Ian F Pollack; James M Olson; William A Weiss; Toshihiro Kumabe; Enrique López Aguilar; Boleslaw Lach; Maura Massimino; Erwin G Van Meir; Joshua B Rubin; Rajeev Vibhakar; Lola B. Chambless; Noriyuki Kijima; Almos Klekner; László Bognár; Jennifer A. Chan; Claudia C Faria; Jiannis Ragoussis; Stefan M Pfister; Anna Goldenberg; Robert J Wechsler-Reya; Swneke D Bailey; Livia Garzia; A. Sorana; Marco A Marra; Xi Huang; David Malkin; Olivier Ayrault; Vijay Ramaswamy; Xose Antón Suárez Puente; John A Calarco; Lincoln D Stein; Michael D Taylor. Recurrent non-coding U1-snRNA mutations drive cryptic splicing in Shh medulloblastoma - D1. *Nature*. 574, pp. 707 - 711. Springer Nature, 09/10/2019.  
**DOI:** 10.1038/s41586-019-1650-0  
**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 68  
**Relevant publication:** No  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No
- 15** Shimin Shuai; Hiromichi Suzuki; Ander Díaz Navarro; Ferran Nadeu; Sachin A Kumar; Ana Gutierrez Fernandez; Julio Delgado; Magda Pinyol; Carlos López Otín; Xose Antón Suárez Puente; Michael D Taylor; Elías Campo; Lincoln D Stein. The U1 spliceosomal RNA is recurrently mutated in multiple cancers - D1. *Nature*. 574, pp. 712 - 716. Springer Nature, 09/10/2019.  
**DOI:** 10.1038/s41586-019-1651-z  
**Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 13  
**Relevant publication:** No  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No



- 16** Jorge Gomez Miragaya; Ander Díaz Navarro; Raul Tonda; Sergi Beltran; Luis Palomero; Marta Palafox; Lacey Dobrolecki; Chen Huang; Suhas Vasaiakar; Bing Zhang; Gerburg M Wulf; Alejandro Collado Sole; Eva M Trinidad; Purificación Muñoz; Laia Pare; Aleix Prat; Alejandra Bruna; Carlos Caldas; Joaquín Arribas; María Teresa Soler Monso; Anna Petit; Judith Balmaña; Cristina Cruz; Violeta Serra; Miguel Angel Pujana; Michael T Lewis; Xose Antón Suárez Puente; Eva Gonzalez Suárez. Chromosome 12p Amplification in TripleNegative/BRCA1-Mutated Breast Cancer Associates with Emergence of Docetaxel Resistance and Carboplatin Sensitivity - D1. *Cancer Research*. 79 - 16, pp. 4258 - 4270. 18/06/2019.  
**DOI:** 10.1158/0008-5472.CAN-18-3835  
**Type of production:** Scientific paper  
**Position of signature:** 2  
**Total no. authors:** 28  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No
- 17** Gorka Ruiz de Garibay; Francesca Mateo; Agostina Stradella; Rafael Valdés Mas; Luis Palomero; Jordi Serra Musach; Diana Álvarez Puente; Ander Díaz Navarro; Gardenia Vargas Parra; Eva Tornero; Idoia Morilla; Lourdes Farré; María Martínez Iniesta; Carmen Herranz; Emmet McCormack; August Vidal; Anna Petit; Teresa Soler; Conxi Lázaro; Xose Antón Suárez Puente; Alberto Villanueva; Miguel Angel Pujana. Tumor xenograft modeling identifies an association between TCF4 loss and breast cancer chemoresistance - Q2. *Disease Models & Mechanisms*. 01/05/2018.  
**DOI:** 10.1242/dmm.032292  
**Type of production:** Scientific paper  
**Position of signature:** 8  
**Total no. authors:** 22  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No
- 18** Ángel Álvarez Eguiluz; Ander Díaz Navarro; Xose Antón Suárez Puente. Dissecting Degradomes: Analysis of Protease-coding Genes. *Methods in Molecular Biology: Proteases and Cancer*. 1731, pp. 1 - 13. Springer, 2018. ISBN 978-1-4939-7594-5  
**DOI:** 10.1007/978-1-4939-7595-2\_1  
**Type of production:** Book chapter  
**Position of signature:** 2  
**Total no. authors:** 3  
**Format:** Book  
**Degree of contribution:** Author or co-author of chapter in book

## Works submitted to national or international conferences

- 1** **Title of the work:** In silico generation of synthetic cancer genomes using deep learning algorithms.  
**Name of the conference:** Intelligent Systems for Molecular Biology, 32nd annual conference  
**Type of event:** Conference  
**Corresponding author:** Yes  
**City of event:** Montreal, Canada  
**Date of event:** 12/07/2024  
**End date:** 16/07/2024  
**Organising entity:** International Society for Computational Biology (ISCB)  
 Ander Díaz Navarro; Bo Wang; Lincoln Stein.
- 2** **Title of the work:** Implementación de la oncotranscriptómica en el diagnóstico y clasificación de la leucemia linfoblástica aguda infantil  
**Name of the conference:** XVI Congreso nacional de la Sociedad Española de Hematología y Oncología Pediátricas  
**Type of event:** Conference  
**Type of participation:** Participatory - poster



**Date of event:** 30/05/2024

**End date:** 01/06/2024

**Organising entity:** Sociedad Española de Hematología y Oncología Pediátricas

**Type of entity:** Associations and Groups

**City organizing entity:** Balears, Illes, Spain

Anastasija Jakjimovska; Unai Illarregi; Ander Díaz Navarro; Idoia Martin Guerrero; Itziar Astigarraga; Danie Sinnett; Nerea Bilbao Aldaiturriaga; Ángela Gutiérrez Camino.

**3 Title of the work:** In silico generation of synthetic cancer genomes using deep learning algorithms.

**Name of the conference:** OICR TRANSLATIONAL RESEARCH CONFERENCE

**Type of event:** Conference

**Corresponding author:** Yes

**City of event:** King City, Canada

**Date of event:** 26/03/2024

**End date:** 27/03/2024

**Organising entity:** Ontario Institute for Cancer Research

Ander Díaz Navarro; Bo Wang; Lincoln Stein.

**4 Title of the work:** Long-read sequencing-based pipeline for Neo-epitope candidates for immunotherapeutic targeting of U1 snRNA mutation in cancer

**Name of the conference:** CSHL meeting: Genome Informatics

**Type of event:** Conference

**Corresponding author:** No

**City of event:** New York, United States of America

**Date of event:** 06/12/2023

**End date:** 09/12/2023

**Organising entity:** Cold Spring Harbor Laboratory

Fatemeh Almodaresi; Ander Díaz Navarro; Andre Senff Ribeiro; Marie-Pierre Hardy; Quang Trinh; Sachin Kumar; Shimin Shuai; Craig Daniels; Xose Antón Suárez Puente; Elias Campo; Michael Taylor; Claude Perreault; Lincoln Stein.

**5 Title of the work:** Early seeding of Richter transformation in chronic lymphocytic leukemia

**Name of the conference:** AACR - Annual meeting 2022

**Type of event:** Conference

**Corresponding author:** No

**City of event:** New Orleans, United States of America

**Date of event:** 08/04/2022

**End date:** 13/04/2022

**Organising entity:** American Association for Cancer Research

Ferran Nadeu; Romina Royo; Ramon Massoni Badosa; Beatriz García Torre; Martí Duran Ferrer; Kevin J Dawson; Marta Kulis; Ander Díaz Navarro; Neus Villamor; Juan L Melero; Vicente Chapaprieta; Ana Dueso Barroso; Julio Delgado; Riccardo Moia; Sara Ruiz Gil; Domenica Marchese; Nuria Verdaguer Dot; Mónica Romo; Maria Rozman; Gerard Frigola; Alfredo Rivas Delgado; Tycho Baumann; Miguel Alcoceba; Marcos González; Fina Climent; Pau Abrisqueta; Josep Castellví; Francesc Bosch; Marta Aymerich; Anna Enjuanes; Silvia Ruiz Gaspá; Armando López Guillermo; Pedro Jares; Silvia Bea; Dolors Colomer; Nuria López Bigas; Josep Ll Gelpí; David Torrents; Peter J Campbell; Ivo Gut; Pablo M García Roves; Davide Rossi; Gianluca Gaidano; Xose Antón Suárez Puente; Holger Heyn; Francesco Maura; José I Martín Subero; Elias Campo.

**6 Title of the work:** Molecular map of chronic lymphocytic leukemia and its impact on outcome

**Name of the conference:** XIX International Workshop on CLL

**Type of event:** Conference

**Corresponding author:** No



**City of event:** Virtual,

**Date of event:** 16/09/2021

**End date:** 20/09/2021

Ferran Nadeu; Binyamin A. Knisbacher; Ziao Lin; Cynthia K. Hahn; Martí Duran Ferrer; Kristen E. Stevenson; Eugen Tausch; Julio Delgado; Alex Barbera Mourelle; Amaro Taylor Weiner; Pablo Bousquets Muñoz; Ander Díaz Navarro; Andrew Dunford; Shankara Anand; Helene Kretzmer; Jesús Gutiérrez Abril; Sara López Tamargo; Stacey M. Fernandes; Clare Sun; Mariela Sivina; Laura Z. Rassenti; Christof Schneider; Shuqiang Li; Laxmi Parida; Alexander Meissner; François Aguet; Jan A. Burger; Adrian Wiestner; Thomas J. Kipps; Jennifer R. Brown; Michael Hallek; Chip Stewart; Donna S. Neuberg; José I Martín Subero; Xose Antón Suárez Puente; Stephan Stilgenbauer; Catherine J. Wu; Elias Campo; Gad Getz.

**7 Title of the work:** Pancancer analysis of somatic mutations in repetitive regions reveals recurrent mutations in the spliceosome U2 small nuclear RNA

**Name of the conference:** The Biology of Genomes

**Type of event:** Conference

**City of event:** Virtual,

**Date of event:** 11/05/2021

**End date:** 14/05/2021

**Organising entity:** Cold Spring Harbor Laboratory

Pablo Bousquets; Ander Díaz Navarro; Ferran Nadeu; Ana Sánchez Pitiot; Shimin Shuai; Sara López Tamargo; Milagros Balbín; Ana Gutiérrez Fernández; Lincoln D Stein; Elias Campo; Xose Antón Suárez Puente.

**8 Title of the work:** Genomic and epigenomic insights into the origin, pathogenesis and clinical behavior of mantle cell lymphoma subtypes

**Name of the conference:** 25th Annual Congress of EHA

**Type of event:** Conference

**City of event:** Virtual,

**Date of event:** 11/06/2020

**End date:** 21/06/2020

**Organising entity:** European Hematology Association

Silvia Bea; Ferran Nadeu; David Martín García; Guillem Clot; Ander Díaz Navarro; Martí Duran Ferrer; Alba Navarro; Roser Vilarrasa Blasi; Marta Kulis; Romina Royo; Cristina López; Dolors Costa; Reiner Siebert; Eva Gine; Armando López Guillermo; Ralf Küppers; Jose I Martin Subero; Xose Antón Suárez Puente; Elias Campo.

**9 Title of the work:** The U1 Spliceosomal RNA: A Novel Non-Coding Hotspot Driver Mutation Independently Associated with Clinical Outcome in Chronic Lymphocytic Leukemia

**Name of the conference:** 62nd ASH Annual Meeting & Exposition

**Type of event:** Conference

**Corresponding author:** No

**City of event:** San Diego, United States of America

**Date of event:** 07/12/2019

**End date:** 10/12/2019

**Organising entity:** American Society of Hematology

Ferran Nadeu; Shimin Shuai; Ander Díaz Navarro; Irene López; Silvia Martín; Hiromichi Suzuki; Romina Royo; Guillem Clot; Julio Delgado; Tycho Baumann; Junyan Lu; Alba Navarro; Marta Kulis; Sachin A Kumar; Ana Gutierrez Fernandez; Miguel Alcoceba; Marcos González; Enrique Colado; Angel Ramirez Payer; Cristina Capdevila; Miguel Osuna; Marta Aymerich; Rosó Mares; Mónica Lopez Guerra; Laura Magnano; Pablo Mozas; Alfredo Rivas Delgado; Maria Jose Terol; Anna Enjuanes; Wolfgang Huber; Armando Lopez Guillermo; Silvia Bea; José I Martín Subero; Thorsten Zenz; Michael M Taylor; Dolors Colomer; Xose Antón Suárez Puente; Lincoln D Stein; Elias Campo.



- 10** **Title of the work:** Non-coding mutations in cancer  
**Name of the conference:** 41 Congreso de la Sociedad Española de Bioquímica y Biología Molecular  
**Type of event:** Conference  
**Corresponding author:** No  
**City of event:** Santander, Cantabria, Spain  
**Date of event:** 10/09/2018  
**End date:** 13/09/2018  
**Organising entity:** Sociedad Española de Bioquímica y Biología Molecular  
Ander Díaz Navarro; Jesús Gutiérrez Abril; Ana Gutiérrez Fernández; Ángel Álvarez Eguiluz; Milagros Balbín; Xose Antón Suárez Puente.
- 11** **Title of the work:** Systematic Characterization of Splice-Site-Creating Mutations by Integrating DNA and RNA Data  
**Name of the conference:** 41 Congreso de la Sociedad Española de Bioquímica y Biología Molecular  
**Type of event:** Conference  
**Corresponding author:** No  
**City of event:** Santander, Cantabria, Spain  
**Date of event:** 10/09/2018  
**End date:** 13/09/2018  
**Organising entity:** Sociedad Española de Bioquímica y Biología Molecular  
Ángel Álvarez Eguiluz; Ander Díaz Navarro; Jesús Gutiérrez Abril; Iñigo Santamaría; Milagros Balbín; Xose Antón Suárez Puente.
- 12** **Title of the work:** Non-coding mutations in cancer  
**Name of the conference:** VII Jornadas Predoctorales y I Congreso de Investigación  
**Type of event:** Conference  
**City of event:** Mieres, Asturias, Principado de, Spain  
**Date of event:** 04/07/2018  
**End date:** 05/07/2018  
**Organising entity:** Universidad de Oviedo                      **Type of entity:** University  
Ander Díaz Navarro.
- 13** **Title of the work:** Genetic variant in miR-618 in the risk of chronic lymphocytic leukemia  
**Name of the conference:** EACR24-From basic research to precision medicine  
**Type of event:** Conference  
**Corresponding author:** No  
**City of event:** Manchester, United Kingdom  
**Date of event:** 09/07/2016  
**End date:** 12/07/2016  
Idoia Martín Guerrero; Ander Díaz Navarro; Ángela Gutiérrez Camino; África García Orad. "EACR24, European Journal of Cancer".



## R&D management and participation in scientific committees

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

- 1 Name of the activity:** Article review for Briefings in Bioinformatics  
**Performed tasks:** Revisor de artículo científico  
**Entity where activity was carried out:** Briefings in Bioinformatics  
**Type of activity:** Review of articles in scientific or technological journals  
**Frequency of the activity:** 1  
**Start date:** 2025
- 2 Name of the activity:** Article review for Microbial Genomics  
**Performed tasks:** Revisor de artículo científico  
**Entity where activity was carried out:** Microbial Genomics  
**Type of activity:** Review of articles in scientific or technological journals  
**Frequency of the activity:** 1  
**Start date:** 2025
- 3 Name of the activity:** Article review for npj Precision Oncology  
**Performed tasks:** Revisor de artículo científico  
**Entity where activity was carried out:** npj Precision Oncology  
**Type of activity:** Review of articles in scientific or technological journals  
**Frequency of the activity:** 1  
**Start date:** 2025
- 4 Name of the activity:** Article review for BioData Mining  
**Performed tasks:** Revisor de artículo científico  
**Entity where activity was carried out:** BioData Mining  
**Type of activity:** Review of articles in scientific or technological journals  
**Frequency of the activity:** 1  
**Start date:** 2024

## Other achievements

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

**Entity:** Oulu University  
**Faculty, institute or centre:** Faculty of Biochemistry and Molecular Medicine  
**City of entity:** Oulu, Finland  
**Start-End date:** 01/09/2021 - 30/11/2021  
**Goals of the stay:** Doctorate  
**Type of entity:** University  
**Duration:** 91 days



## Obtained grants and scholarships

- 1** **Name of the grant:** Data Sciences Institute Postdoctoral Fellowship (Relinquished)  
**City awarding entity:** Toronto, Canada  
**Aims:** Post-doctoral  
**Awarding entity:** University of Toronto **Type of entity:** University Research Institute  
**Conferral date:** 04/2025  
**End date:** 04/2025  
**Entity where activity was carried out:** Ontario Institute for Cancer Research
- 2** **Name of the grant:** Ontario Genomics - CANSSI Ontario Fellowship  
**Aims:** Post-doctoral  
**Awarding entity:** Ontario Genomics - CANSSI **Type of entity:** Public Research Body  
Ontario  
**Conferral date:** 20/03/2023 **Duration:** 2 years  
**End date:** 19/03/2025  
**Entity where activity was carried out:** University of Toronto
- 3** **Name of the grant:** Sara Borrell  
**Aims:** Post-doctoral  
**Awarding entity:** Instituto de Salud Carlos III **Type of entity:** Public Research Body  
**Conferral date:** 15/01/2026  
**End date:** 14/01/2022  
**Entity where activity was carried out:** Instituto de Investigación Sanitaria del Principado de Asturias
- 4** **Name of the grant:** Programa Predoctoral de Formación de Personal Investigador No Doctor  
**Aims:** Pre-doctoral  
**Awarding entity:** Gobierno Vasco **Type of entity:** Departamento de Educación  
**Conferral date:** 15/01/2018 **Duration:** 4 years  
**End date:** 14/01/2022  
**Entity where activity was carried out:** Universidad de Oviedo  
**Faculty, institute or centre:** Bioquímica y Biología Molecular
- 5** **Name of the grant:** EMBO Scientific Exchange Grant  
**Aims:** Estancia predoctoral  
**Awarding entity:** EMBO **Type of entity:** Public Research Body  
**Conferral date:** 01/09/2021 **Duration:** 3 months  
**End date:** 30/11/2021  
**Entity where activity was carried out:** University of Oulu  
**Faculty, institute or centre:** Faculty of Biochemistry and Molecular Medicine
- 6** **Name of the grant:** Margarita Salas (Relinquished)  
**Awarding entity:** Fundación para el Fomento en **Type of entity:** Public Research Body  
Asturias de la Investigación Científica y la Tecnología  
**Conferral date:** 01/2026



## Scientific societies and professional associations

**Name of the society:** Grupo de R de Asturias  
**City affiliation entity:** Oviedo, Asturias, Principado de, Spain  
**Professional category:** Secretario  
**Nº of members:** 8  
**Start date:** 08/2021

## Prizes, mentions and distinctions

- 1** **Description:** Ontario Rising Stars in Cancer Research Network  
**Awarding entity:** Ontario Institute for Cancer Research **Type of entity:** Public Research Body  
**City awarding entity:** Canada  
**Conferral date:** 27/03/2024
- 2** **Description:** Premio Extraordinario de Doctorado  
**Awarding entity:** Universidad de Oviedo **Type of entity:** University  
**City awarding entity:** Oviedo, Asturias, Principado de, Spain  
**Conferral date:** 12/01/2024

## Obtained accreditations/recognitions

**Description:** PROFESOR/A AYUDANTE DOCTOR/A  
**Accrediting entity:** Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** ANECA  
**Date of recognition:** 02/03/2023