

# ALICIA L. BRUZOS, PhD

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## PERSONAL INFORMATION

*Date of birth:* 29-March-1993 (31 years old)

*Nationality:* Spain

*ORCID:* 0000-0003-4362-545X

*ResearcherID:* D-7235-2018

## EDUCATION

Sep 2016 - Sep 2022 **PhD in Molecular Medicine**, Centre for Research in Molecular Medicine and Chronic Diseases (CiMUS), Universidade de Santiago de Compostela, SPAIN. *Cum laude*<sup>1</sup>. International mention.

Sep 2023 - ongoing<sup>2</sup> **MSc in University Teaching**, Universidad Europea de Madrid (*online*), SPAIN.

Sep 2015 - Jul 2016 **MSc in Bioinformatics**, Universitat Autònoma de Barcelona, SPAIN.

Sep 2011 - Jul 2015 **BSc in Biology**, Universidade de Santiago de Compostela, SPAIN.

## ACADEMIC POSITIONS

Jul 2023 - Jul 2025 **Postdoctoral researcher (Marie Skłodowska-Curie fellowship)**. *Current position*. Université de Caen Normandie, FRANCE. *Supervisor:* Dr Camille Détrée. BOREA Lab.

Sep 2021 - Apr 2023 **Research scientist**. The Francis Crick Institute, University College London, UNITED KINGDOM. *Supervisor:* Prof Veronica Kinsler. Precision Medicine Lab.

Sep 2016 - Sep 2021 **Predocctoral student (Spanish national predocctoral fellowship)**. University of Santiago de Compostela and University of Vigo, SPAIN. *Supervisor:* Dr Seila Díaz. Genomes & disease Lab led by Dr J Tubio.

## SHORT RESEARCH STAYS AS A VISITING SCIENTIST

2021, Jan-Apr **Korea Advanced Institute of Science and Technology (KAIST)**, Daejeon, SOUTH KOREA. *Advisor:* Prof Young Seok Ju. *Funding:* travel grant of Boehringer Ingelheim Fonds.

2020, Sep-Dec **Universidade de Vigo**, Vigo, SPAIN. *Advisor:* Prof David Posada. *Funding:* non-competitive, funded within the ERC-StG project.

2019, Mar-Apr **University of Galway**, Galway, IRELAND. *Advisor:* Prof Mark Johnson. *Funding:* Assemble Plus (grant agreement no. 730984).

2018, Sep-Dec **Pacific Northwest Research Institute (PNRI)**, Seattle, USA. *Advisor:* Dr Michael Metzger. *Funding:* Research stay from Spanish Ministry of Science (ref. BES-2016-078166).

2014, Jun-Jul **Université Libre de Bruxelles**, Brussels, BELGIUM. Summer internship during my bachelor's degree at the Evolutionary Biology and Ecology Unit. *Supervisor:* Prof Patrick Mardulyn.

## LANGUAGES

English	C1*	IELTS certification in July 2021; CAE certification in December 2014
French	B2*	DELFI certification in May 2020
Galician	C1*	Celga certification in July 2011
Spanish	native	

\*According to *The Common European Framework of Reference for Languages*

## MAJOR RESEARCH INTERESTS

- Evolution of marine contagious cancers
- Cancer genomics and transcriptomics
- Development of bivalve cell lines

<sup>1</sup> In Spain, doctoral theses that are graded as 'excellent' may also be awarded a 'cum laude' mark which requires unanimous agreement among the members of the evaluation board (secret ballot).

<sup>2</sup> Expected graduation date: February 2025.

**SCIENTIFIC PUBLICATIONS<sup>3</sup>**

1. **Bruzos, AL**<sup>1/45\*</sup>; Santamarina, M\*; García, D\*; ... Tubío, JMC. (2023) *Somatic evolution of marine transmissible leukemias in the common cockle, Cerastoderma edule*. In: **Nature Cancer**, 4:1575-1591. [doi.org/10.1038/s43018-023-00641-9](https://doi.org/10.1038/s43018-023-00641-9) (download here). IF(2022) = 22.7, JCR rank (2022) 12/241 (D1). Issue cover.
2. Martín, SB\*; Polubothu, S\*; **Bruzos AL**<sup>3/18\*</sup>; ... Kinsler, VK. (2023) *Mosaic BRAF fusions are a recurrent cause of congenital melanocytic naevi targetable by MEK inhibition*. In: **Journal of Investigative Dermatology**, 144(3):593-600. [10.1016/j.jid.2023.06.213](https://doi.org/10.1016/j.jid.2023.06.213) (OA). IF(2022) = 6.5, JCR rank (2022) 6/70 (D1).
3. Garcia-Souto, D\*; **Bruzos, AL**<sup>2/20\*</sup>; Diaz, S\*; ... Tubío, JMC. (2022) *Mitochondrial genome sequencing of marine leukemias reveals cancer contagion between clam species in the Seas of Southern Europe*. In: **eLife**, 11:e66946. [doi.org/10.7554/eLife.66946](https://doi.org/10.7554/eLife.66946) (OA). IF(2022) = 7.7, JCR rank (2022) 7/92 (D1).
4. Hermida, M et al. (includes **Bruzos, AL**<sup>5/8</sup>). (2022) *The first high-density genetic map of common cockle (Cerastoderma edule) reveals a major QTL controlling shell color variation*. In: **Scientific Reports**, 12:16971. [10.1038/s41598-022-21214-3](https://doi.org/10.1038/s41598-022-21214-3) (OA). IF(2022) = 4.6, JCR rank (2022) 22/73 (Q2).
5. Ricardo, F et al. (includes **Bruzos, AL**<sup>3/8</sup>). (2021) *Assessing the elemental fingerprints of cockle shells to confirm their geographic origin from regional to international spatial scales*. In: **Science of the Total Environment**, 814:152304. [10.1016/j.scitotenv.2021.152304](https://doi.org/10.1016/j.scitotenv.2021.152304) (download here). IF(2021) = 10.753, JCR rank (2021) 26/279 (D1).
6. Álvarez, EG et al. (includes **Bruzos, AL**<sup>13/43</sup>). (2021) *Aberrant integration of Hepatitis B virus DNA promotes major restructuring of human hepatocellular carcinoma genome architecture*. In: **Nature Communications**, 12:6910. [doi.org/10.1038/s41467-021-26805-8](https://doi.org/10.1038/s41467-021-26805-8) (OA). IF(2021) = 17.694, JCR rank (2021) 6/73 (D1).
7. Rodriguez-Martin, B et al. (includes **Bruzos, AL**<sup>15/53</sup>). (2020) *Pan-Cancer analysis of whole genomes identifies driver rearrangements promoted by LINE-1 retrotransposition*. In: **Nature Genetics**, 52:306-319. [doi.org/10.1038/s41588-019-0562-0](https://doi.org/10.1038/s41588-019-0562-0) (OA). IF(2020) = 38.333, JCR rank (2020) 2/175 (D1).
8. The ICGC/TCGA Pan-Cancer Analysis of Whole Genomes Consortium (includes **Bruzos AL**, position 60 of 1340 authors, corresponding authors are Campbell, PJ; Getz, G; Korbel, JA; Stuart, JM; Stein, LD). (2020) *Pan-Cancer analysis of whole genomes*. In: **Nature**, 578:82-93. [doi.org/10.1038/s41586-020-1969-6](https://doi.org/10.1038/s41586-020-1969-6) (OA). IF(2020) = 49.962, JCR rank (2020) 1/73 (D1). Issue cover

**Under review: publications available as preprints or request**

9. Santamarina, M; **Bruzos, AL**<sup>2/5</sup>; Pequeño, A; Rodríguez-Castro, J; Díaz, S. (2023) *Novel PCR molecular assay for the identification of marine transmissible cancers from Cerastoderma edule*. Under review in **Journal of Invertebrate Pathology**. SSRN preprint: [doi.org/10.2139/ssrn.4595284](https://doi.org/10.2139/ssrn.4595284) IF(2022) = 3.4, JCR rank (2022) 8/177 (D1).
10. Riachi, M et al. (includes **Bruzos, AL**<sup>7/26</sup>). (2023) *Keratinocyte cholesterol deficiency is a druggable final common pathway in hyperproliferative inflammatory skin disease*. Under review in **Journal of Investigative Dermatology**. IF(2022) = 6.5, JCR rank (2022) 6/70 (D1).

**CONFERENCES**

I have presented my research at **43 international and national congresses / conferences / symposia** in **7 different countries** of the world. I have given **7 invited speaker talks** and **16 oral communications**, I have presented **20 posters** and I have won **3 awards for best poster** and **2 for best talk** (more details: <https://albruzos.github.io/talks/>). Selected conferences:

1. **Bruzos, AL**, et al. (2023) *Somatic evolution of marine transmissible leukaemias*. **Oral communication** in XIV reunión de jóvenes investigador@s en el extranjero. Santiago de Compostela (SPAIN). **Best Talk Prize**.
2. **Bruzos, AL**, et al. (2022) *Clonal evolution of a marine transmissible cancer that colonizes the Atlantic coast of Europe*. **Invited speaker** at **Ocean Health Symposium**. Kiel (GERMANY).
3. Barberan Martín, S<sup>#</sup>; Polubothu, S<sup>#</sup>; **Bruzos, AL**<sup>#</sup>; Bulstrode, N; Spence, G; Kinsler, V (2022) *Mosaic BRAF fusions are a recurrent cause of multiple Congenital Melanocytic Naevi (CMN)*. **Poster** at **AACR Annual Meeting**. New Orleans (UNITED STATES). <sup>#</sup>First author & attended congress.

<sup>3</sup> The \* denotes first authorship (publications 1, 2 and 3); the <sup>0/0</sup> denotes (my position / total number of authors); OA following the DOI link means open access.

4. **Bruzos, AL**, et al. (2021) *Contagious Cancers: sequencing reveals a pandemic affecting clams in our seas*. Invited speaker at **Centro de Ciências do Mar (CCMAR)**. Universidade do Algarve (PORTUGAL).
5. **Bruzos, AL** et al. (2019) *WGS y cromosomas de berberechos con cáncer transmisible: efectos en la integridad del ADN*. Poster at **XXII Foro dos Recursos Mariños e da Acuicultura das Rías Galegas**. O Grove (SPAIN). **Best Scientific Panel Prize** (second prize).
6. **Bruzos, AL**, et al. (2019) *Scuba Cancers: Finding the genetic causes of contagious metastases under the sea*. Oral communication in **Fifth International Biannual Evolution and Ecology of Cancer**. Wellcome Genome Campus, Hinxton-Cambridge (UK).
7. **Bruzos, AL**, et al. (2017) *Primeros pasos para decodificar el genoma del berberecho *C. edule**. Poster at **XX Foro dos Recursos Mariños e da Acuicultura das Rías Galegas**. O Grove (SPAIN). **Best Scientific Panel Prize** (first prize).
8. **Bruzos, AL**; Tubío, J (2017) *Finding the genetic causes of contagious metastases under the sea*. Invited speaker at **Assemblée Générale EMBRC-France**. Banyuls-sur-mer (FRANCE).

### CITATION STATISTICS

Since I began my scientific career, I have 8 JCR publications (7 of them D1) and 2 more in review (both D1), 2 of these publications are without my thesis directors. I have more than **2,000 citations accumulated** and an **h-index of 7** ([GScholar](#)), 44 communications at conferences of which 2 were awarded as best talk and 3 as best poster.

### REVIEWING ACTIVITY

Despite my early career stage, my expertise has already led to **4 invitations to review papers of my peers**, all reviews have been verified by the Web of Science (see here: [D-7235-2018](#)).

- 1 *Science* (AAAS), IF(2021)=56.9, JCR rank (2022) 2/73 (D1).
- 1 *Science Advances* (AAAS), IF(2021)=13.6, JCR rank (2022) 7/73 (D1).
- 1 *Molecular Ecology* (Wiley), IF(2022)=4.9, JCR rank (2022) 8/52 (Q1).
- 1 *Proceedings of the Royal Society B-Biological Sc.* IF(2022)=4.7, JCR rank (2022) 10/52 (Q1).

### INTERNATIONAL COLLABORATORS (selected)

- [Michael Metzger](#) (Pacific Northwest Research Institute, USA): clam transmissible cancers
- [Sara Rocha](#) & [David Posada](#) (University of Vigo, Spain): phylogenomics
- [Antonio Figueras](#) (Spanish National Research Council CSIC, Spain): bivalve pathology
- [Youngseok Ju](#) (Korea Advanced Institute of Science and Technology, South Korea): cancer genomics
- [Adrián Báez-Ortega](#) (Wellcome Sanger Institute, UK): somatic evolution
- [Maria Skazina](#) (Saint-Petersburg State University, Russia): mussel transmissible cancers
- [Tamara Prieto](#) (Weill Cornell Medicine, USA): single-cell genomics

### AWARDS AND HONORS

- 2023 **Hamilton Award**. Society for the Study of Evolution, USA. Finalist, 500 USD.
- 2023 **Best Talk Prize**. XIV reunión de jóvenes investigador@s en el extranjero, Spain.
- 2023 **Outreach Award in Medicine and Health**. Fundación Lilly & The Conversation, Spain. *Finalist*. Publication of the article “*El viaje de una célula submarina*”.
- 2022 **Best Talk Prize**. XIII reunión de jóvenes investigador@s en el extranjero, Spain.
- 2022 **3MT Video Award: Cuentame11F**. Citizen initiative 11 febrero, Spain. *First place*.
- 2022 **Women’s Name Award: scientific vocations**. Fundación Merck Salud, Spain.
- 2020 **Award IDEAX21 - International Creative Jam**. Xunta de Galicia, Spain.
- 2019 **Best Scientific Panel Prize**. XXII Foro dos Recursos Mariños e da Acuicultura das Rías Galegas, Spain. *First place*, 450 €.
- 2017 **Best Scientific Panel Prize**. XX Foro dos Recursos Mariños e da Acuicultura das Rías Galegas, Spain. *First place*, 400 €.
- 2015 **National Speech Competition**. Club de Debate Compostela, Spain. *Finalist*.
- 2015 **Best Poster Prize**. Department of Genetics of Universidade de Santiago de Compostela, Spain. *First place*.
- 2013 **Open Software Translation Award**. Engineering Technical Superior School of Universidade de Santiago de Compostela, Spain. *First place*, 600 €.
- 2013 **Botany II Contest of Plant Identification**. Department of Botany of Universidade de Santiago de Compostela, Spain. *First place*.
- 2007 **Ourol Literary Competition**. Concello de Ourol, Spain. *Second place*.
- 2006 **Drawing Christmas**. Xermolos Association, Spain. *Second place*, 30 € and trophy.
- 2004 **Terra Chá Competition**. Certame Pardiñas, Spain. *Poetry Prize*, publication with ISBN.

**FUNDING****Competitive fellowships / scholarships**

- 2024 **Minerva Fast Track Fellowship (2024-2027)**. Max Planck Society, GERMANY. Max Planck Institute for Marine Microbiology, Bremen, Germany. Budget: my salary, a PhD student, a postdoc/technician, and research costs. *Lead applicant* (supported by N Düblier). *ON HOLD*.
- 2023 **EU MSCA Fellowship (2023-2025)**. Marie Skłodowska-Curie Actions (MSCA-cofund) and Région Normandie (ref. 101034329), EU and FRANCE. Université de Caen Normandie, France. Budget: 174.000,00 €. *Lead applicant* (supervised by C Détrée). ONGOING. I also applied for the MSCA-PF in 2022 (proposal no. 101106357) and received a 92.60% score (LIF panel), unfortunately it did not reach the funding threshold, I was placed on the reserve list.
- 2023 **National Postdoctoral ‘Juan de la Cierva’ Fellowship (2024-2026)**. Spanish Ministry of Science (ref. JDC2022-048396-I), SPAIN. Consejo Superior de Investigaciones Científicas (CSIC) Instituto de Investigaciones Marinas, Spain. Budget: 50.700,00 €. *Lead applicant* (supervised by A Figueras). DECLINED to take the MSCA.
- 2017 **National Doctoral Fellowship (2017-2021)**. Spanish Ministry of Economy, Industry and Competitiveness (ref. BES-2016-078166), SPAIN. Universidade de Vigo and Santiago de Compostela, Spain. Budget: 98.500,00 €. *Lead applicant* (supervised by JMC Tubio). CONCLUDED. 6-month extension due to Covid pandemic.
- 2013 **Erasmus scholarship (2013-2014)**. European Union. Université Libre de Bruxelles, BELGIUM. Budget: stipend from EU, national and regional councils. *Single applicant*. CONCLUDED.
- 2009 **Summer Exchange scholarship (1 month)**. Alliance Française and Xunta de Galicia, FRANCE and SPAIN. Internat Lycée Flora Tristan, Camblanes, France. *Single applicant*. CONCLUDED.

**Research projects**

- 2024 **ONTÓGENIE: Cell-of-origin of cockle transmissible cancers (2024)**. Unité Mixte de Recherche BOREA (UMR 8067, financement intra-unité) . Budget: 2.500,00 €. PI: AL Bruzos (myself). My role: *Lead applicant*.
- 2023 **Proyecto de Vinculación de Instituciones Internacionales (2023-2024)**. Gobierno de Chile (ref. FOVI230047). Budget: 30.000.000,00 CLP (~30.000,00 €). PI: M Derrien, Universidad de O’Higgins, Chile. My role: *Collaborator*.
- 2020 **Consolidación GRC GI-1736 Medicina Xenómica GMX 2021-PG048 (2021-2024)**. Consellería de Cultura, Educación e Universidade, Xunta de Galicia, SPAIN (ref. ED431C 2021/28). Budget: 400.000,00 €. PI: AM Carracedo, Universidade de Santiago de Compostela, Spain. My role: Research assistant (led by JMC Tubio).
- 2017 **SCUBA CANCERS: Finding the genetic causes of contagious metastases under the sea (2017-2021)**. European Research Council (ERC Starting grant ID 716290). Budget: 1.492.500,00 €. PI: JMC Tubio, Universidade de Vigo and Santiago de Compostela, Spain. My role: Predoctoral researcher led by J Tubio.
- 2016 **Pan-Cancer Analysis of Whole Genomes (PCAWG): 2,658 WGS of 38 cancers (2016-2020)**. International collaboration through Tubio lab at Universidade de Vigo and Santiago de Compostela, Spain. My role: *Collaborator*.

**Travel grants**

- 2024 **AquaExcel 3.0 Transnational Access grant**. Aquaculture Infrastructures for Excellence in European fish research. Budget: travel, accommodation, lab material. Short-term research stay at Algarve Centre of Marine Sciences (CCMAR), Portugal. *Single applicant*.
- 2024 **FEBS YSF grant**. Federation of European Biochemical Societies (FEBS) grant to participate on the 23<sup>rd</sup> Young Scientists’ Forum and attend the 48<sup>th</sup> FEBS Congress. Budget: registration (450,00 €), accommodation and 80% travel expenses. *Single applicant*.
- 2024 **MCAA micro grant**. Marie Curie Alumni Association. Budget: 1.000,00 €. *Single applicant*.
- 2023 **Mangold Fellowship**. Funds to cover my travel to the 72<sup>nd</sup> Lindau Nobel Laureate Meeting, Germany. Budget: 560,00 €. *Single applicant*.
- 2022 **Falling Walls Lab Fellowship**. Funded by Sociedad Española de Bioquímica y Biología Molecular to participate on *Falling Walls Lab*, Spain. Budget: 100,00 €. *Single applicant*.
- 2021 **BIF travel grant**. Boehringer Ingelheim Fonds, Germany. Budget: 2.370,00 €. Three-month research stay at Korea Advanced Institute of Science and Technology, Daejeon, South Korea. *Single applicant*.
- 2019 **Assemble Plus Transnational Access grant**. Association of European Marine Biological Laboratories Expanded (ref. 730984). Budget: 5.992,84 €. Short-term research stay at National University of Ireland Galway, Ireland. *Co-applicant* with S Díaz.
- 2017 **EuroMarine Young Scientist Fellowship**. Universidade de Vigo & European Marine Research Network, Spain. Funds used to attend a phylogenetics course at Universitat de Barcelona, Spain. Budget: 500,00 €. *Single applicant*.

## **TEACHING EXPERIENCE** (total: 125 certified hours)

I have never held a full-time teaching position; however, I have sought opportunities to participate in university teaching during all my contracts at 4 different public universities (France, UK and Spain). My experience (seminars and laboratory practice) has given me the opportunity to interact with students of different levels (BSc/MSc) and different majors (e.g., Biology, Medicine) as follows:

- 2023/2024 **Physiologie du gène à l'organisme (UE SBME19B)**. Université de Caen Normandie, FRANCE. Master Sciences de la Mer. Students no.: 15. Role: lecturer. Type: seminar. Hours: 2 (French)  
**Module 2: core bioinformatics**. Universitat Autònoma de Barcelona, SPAIN. MSc. in Bioinformatics. Students no.: 20. Role: lecturer. Type: seminar. Hours: 1 (English)
- 2022/2023 **Medical Student-Selected Component**. University College of London, UK. MBBS BSc. in Medicine. Students no.: 20. Role: lecturer. Type: seminar + practice. Hours: 12 (English)  
**Meet a researcher module**. University College London, UK. Faculty of Life Sciences. BSc. in Biological Sciences. Students no.: 18. Role: lecturer. Type: seminars. Hours: 16 (English)
- 2021/2022 **Medical Student-Selected Component**. University College London, UK. MBBS BSc. in Medicine. Students no.: 20. Role: lecturer. Type: seminar + practice Hours: 12 (English)
- 2020/2021 **Genetics I**. Univ. de Santiago de Compostela, SPAIN. BSc. in Biology. Students no.: ~30. Role: lecturer. Type: seminars. Hours: 40 (Spanish)  
**Genetics II**. Universidade de Santiago de Compostela, SPAIN. BSc. in Biotechnology. Students no.: ~30. Role: teaching assistant. Type: seminars. Hours: 8 (Spanish)
- 2019/2020 **Genetics I**. Univ. de Santiago de Compostela, SPAIN. BSc. in Biology. Students no.: ~30. Role: lecturer. Type: seminars. Hours: 13 (Spanish)  
**Human Genetics**. Universidade de Santiago de Compostela, SPAIN. BSc. in Biology. Students no.: ~80. Role: lecturer. Type: online seminar. Hours: 2 (Spanish)
- 2018/2019 **Genetics II**. Univ. de Santiago de Compostela, SPAIN. BSc. in Biology. Students no.: ~30. Role: teaching assistant. Type: lab practice. Hours: 16 (Spanish)
- 2017/2018 **Genetics II**. Universidade de Vigo, SPAIN. BSc. in Biology. Students no.: ~20. Role: teaching assistant. Type: bioinformatic practice. Hours: 3 (English)

I have teaching training through courses and accreditations of trusted institutions:

- 2023 **Profesor Ayudante Doctor**. Agencia Nacional de Evaluación de la Calidad de la Acreditación (ANECA), SPAIN. Accreditation for the Spanish Public University System, similar to a non-tenured assistant professor, must hold a PhD, accreditation required.
- 2021 **Research Supervision**. University College London, UK. Course to qualify as a supervisor of PhD students at UCL, 4 hours training.
- 2017 **Higher Education Lecturing Accreditation (HELA)**. Universidade de Vigo, SPAIN. Course and test required to teach in English at Uvigo, 16 hours training and a test.

## **MENTORING OF STUDENTS**

- 2023/2024 “*Transmission horizontale du cancer chez les espèces bivalves de la côte atlantique française*”. Angele Moulin. **Master (M1) Thesis** for the Master Sciences de la Mer at **Université de Caen Normandie**, FRANCE. Supervisor: Alicia L. Bruzos. Currently ongoing, expected for June 2024.
- 2023/2024 “*Automated cockle hemc neoplasia diagnosis using image analysis*”. Géó Bujard. **Master (M1) Thesis** for the Master Sciences de la Mer at **Sorbonne Université**, FRANCE. Supervisor: Alicia L. Bruzos. Currently ongoing, expected for June 2024.
- 2020/2021 “*Molecular diagnostic of different clonal lineages of transmissible cancer*”. Andrea E. Arias Díaz. **Degree Thesis** for the BSc in Biology at **Universidade de Santiago de Compostela**, SPAIN. Supervisors: Alicia L. Bruzos and Jose Tubío. Awarded for its linguistic quality by the USC Language Normalization Service in the category of sciences.
- 2019/2020 “*Identification of driver mutations in marine transmissible cancers through exome sequencing analysis*”. Iago Otero Coto. **Master Thesis** for the MSc in Bioinformatics at **Universidade da Coruña**, SPAIN. Supervisors: Alicia L. Bruzos and Jose Tubío.
- 2019/2020 “*Characterization of a genomic molecular marker of a marine transmissible cancer*”. Ana Copena Soutelo. **Degree Thesis** for the BSc in Biology at **Universidade de Santiago de Compostela**, SPAIN. Supervisors: Alicia L. Bruzos and Jose Tubío.

In addition, I have co-supervised **1 Erasmus intern** (University of Patras, GREECE) in 2019 during a summer research visit at *Genomes&Disease lab* (Universidade de Santiago de Compostela, SPAIN).

## CERTIFICATIONS AND EXPEDITIONS

- 2023 **Sauveteur Secouriste (SST)**. Université de Caen Normandie, FRANCE. First aid training for accidents in field missions. *Hours*: 14.
- 2022 **Sea Women Expeditions**. Arctic Norway ocean research endorsed by the UN Ocean Decade. Collect samples for an eDNA project (leader Kirsten Müller, University of Waterloo, Canada). [Watch here](#) our outreach video. *Days*: 10
- 2017 **Craft Skipper License (sailing specialization, PER)**. Consellería do Mar (Xunta de Galicia) and Sailway, SPAIN. *Hours*: 60 (30h theory, 16h engine, 12h VHF, 16h sailing, 1h30 exam)
- 2017 **Animal Experimentation Certificate (A+B+C+D+E)**. Centro de Estudios Biosanitarios, SPAIN. *Hours*: 140 (practicum of fish and rodents). Capacitated by *Comunidad de Madrid*, SPAIN.
- 2017 **Biological Risk Management (UNE-CWA 15973)**. University of Vigo, SPAIN. *Hours*: 10.
- 2014 **Open Water Diver License**. Scuba Schools International (SSI) and Mergullo Compostela, SPAIN. *Hours*: 60
- 2012 **Monitora de Actividades de Tiempo Libre**. Escola Aire Libre de Cáritas Diocesana de Santiago, SPAIN. Certified by Consellería de Traballo (Xunta de Galicia). *Hours*: 350.
- 2007 **Elementary Music Degree (specialties: traverse flute and piano)**. Conservatorio Profesional de Música de Viveiro, SPAIN. *Years*: 5

## SERVICE TO THE COMMUNITY

**Conference organization.** I have been part of the *Organizing and Scientific Committee* of 2 events:

- **5<sup>th</sup> Crick Postdoc Symposium** (27/06/2022), London, UNITED KINGDOM. 160 attendees, 2 plenary talks, 11 short oral communications, 38 posters, 4 prizes awarded.
- **VIII Youth Researchers Meeting** (26-28/05/2021), Santiago de Compostela, SPAIN. 300 attendees, 3 plenary talks, 3 parallel sessions with 135 short oral communications and 67 posters. I am editor of the 'Abstracts Book' with ISBN.

**Institutional citizenship.** I have been a spokeswoman as a *PhD alumni representative* at:

- 2021 - 2022 **International Doctoral School Direction Committee** (EDIUS), Universidade de Santiago de Compostela, SPAIN.
- 2017 - 2018 **International Doctoral School Committee** (EIDO) and **Quality Commission** of the same body, Universidade de Vigo, SPAIN.

**Professional membership:** check all ongoing and discontinued memberships [here](#), selected:

- 2023- **Marie Curie Alumni Association** (MCAA). Ordinary member.
- 2023- **Spanish Society for Evolutionary Biology** (SESBE). Ordinary member.
- 2021-2024 **Spanish Society for Biochemistry and Molecular Biology** (SEBBM). Member no. 8706.
- 2021-2022 **Society of Spanish Researchers in the United Kingdom** (SRUK/CERU). Active member of the *Wom=n Equity & Research Committee*.
- 2020-2022 **Confederación Intersindical Galega** (CIG). Member of this Spanish labor union.
- 2019- **European Association for Cancer Research** (EACR). Member no.: 28748.
- 2019- **Asociación Española de Investigación sobre el Cáncer** (ASEICA). Member no. 1746.

## OUTREACH ACTIVITY

I have actively participated in >40 events that engage the public with science or advocate for women in STEM. Here a summarized list of activities, more details at [albruzos.github.io/outreach](http://albruzos.github.io/outreach):

- 13 visits to schools (*i.e.*, 9 Spanish + 3 British + 1 Canadian/US)
- 11 popular science articles (*e.g.*, *The Conversation*) + 3 editorial articles
- 6 general public talks (*e.g.*, *Pint of Science*)
- 5 research-outreach videos, *some examples*:
  - **#Cuéntame3min** [Watch here](#)
  - **Pan-cancer project**. [Watch here](#)
  - **Scuba Cancers project**. [Watch here](#)
  - **ASEICA competition**. [Watch here](#)
- 4 miscellaneous initiatives (*e.g.*, *children's colouring science book*)
- 2 school radio / podcasting.

## MEDIA COVERAGE

Research publications which I co-authored were mentioned in over 100 news items across 40 different newspapers. I actively work with the PR departments to prepare press releases prior to a publication, and my research and career have been featured in well-known media such as *BBC radio*, *The New York Times*, *El País* or *La Voz de Galicia* and showcased in regional TV newscasts (*TVG*, *TPA*, *CanalSur*). **PR clipping:** [albruzos.github.io/media](http://albruzos.github.io/media).

**REFERENCES:** Seila Díaz (UA, PT), Jose Tubío (USC, ES), Michael Metzger (PNRI, US), Youngseok Ju (KAIST, KR), Veronica Kinsler (UCL, UK), Céline Zatylny-Gaudin (UNICAEN, FR).