

Xabier Vázquez-Campos, PhD

Computational biologist | Environmental microbiologist

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EDUCATION

2015
|
2011

PhD in Environmental Engineering

The University of New South Wales

📍 Sydney, Australia

- Thesis: "Geomicrobiological aspects of the (bio)leaching of weathered low-grade uranium ore". [doi](#)
- Supervisors: Prof. T. David Waite, Prof. Brett A. Neilan.
- Co-supervisors: Dr. Richard N. Collins, Dr. Andrew S. Kinsela.

2008
|
2007

MSc in Microbiology

Autonomous University of Madrid

📍 Madrid, Spain

- Thesis: "Set-up of molecular ecology methodologies for the monitoring of microbial populations in an indirect reactor for the bioleaching of Zn from polymetallic sulfide concentrates" [in Spanish].
- Supervisor: Prof. Ricardo Amils.

2007
|
2002

Licenciate in Biology

University of Vigo

📍 Vigo, Spain

- 5 years degree (300 ECTS).
- Equivalent to BSc in Biology and MSc in Biotechnology.



RESEARCH EXPERIENCE

Current
|
2023

Visiting fellow

School of Biotechnology and Biomolecular Sciences

📍 The University of New South Wales

2022

Senior research associate / Postdoctoral fellow

NSW Systems Biology Initiative. School of Biotechnology and Biomolecular Sciences

📍 The University of New South Wales

- Bioinformatics support / consulting.
- Consulting for the Ramaciotti Centre for Genomics, and its customers, esp. amplicon, metagenomics and Oxford Nanopore applications.

2021
|
2017

Research associate / Postdoctoral fellow

NSW Systems Biology Initiative. School of Biotechnology and Biomolecular Sciences

📍 The University of New South Wales

- Consulting for the Ramaciotti Centre for Genomics.
- Collaborative bioinformatics research as part of a team including the users of the Ramaciotti Centre for genomics.

CONTACT

✉ xvazquezc@gmail.com

🐦 [XabiVC](#)

🌐 [xvazquezc](#)

📺 [xvazquezc](#)

in [LinkedIn](#)

ℹ [ResearchGate](#)

🔍 [Google Scholar](#)

🆔 [0000-0003-1134-5058](#)

ℹ [E-4772-2013](#)

🔗 COMPUTATIONAL BIOLOGY

- Amplicon data analysis (16S, 18S and ITS).
- Genome-based metagenomics.
- Phylogenetics and phylogenomics with maximum likelihood methods.
- Assembly and annotation of (meta)genomes, including eukaryotes.
- Experience with short and long read data.
- Structural modelling of proteins and protein complexes. Protein model evaluation.

> CODING SKILLS

- Main languages: BASH and R. Some SQL and AWK.
- Reproducible reporting with Rmarkdown.
- Environment management with Conda.
- Experienced HPC user.
- Data visualisation and integration.

Made with the R package [pagedown](#).

The source code is available on my [datadrivencv-academic repository](#).

Last updated on 2023-03-09.

- 2017
|
2015
- **Research associate / Postdoctoral fellow**
BioGEMS group. Water Research Centre and School of Civil and Environmental Engineering
📍 The University of New South Wales
 - Study of microbial communities in a burial ground containing mixed radioactive waste (Pu, Am).
 - Metagenomics of and groundwater and soil. Reconstruction of microbial genomes from metagenomic data.
 - Management of the PC2 microbiology laboratory and management support for the Radiation laboratory.
- 2011
- **Research assistant (casual)**
BioGEMS group, School of Civil and Environmental Engineering
📍 The University of New South Wales
- 2011
|
2010
- **Research assistant**
Bioprocesses Group, Faculty of Chemistry
📍 University of Vigo
 - DRACORE project: DRAGado + CONfinamiento + REvalorización (Dredging + Containment + Revaluation).
 - Testing of heavy metal resistance; testing of aliphatic and polycyclic hydrocarbons as sole carbon sources and biodegradation; HPLC operation; microorganism isolation;...
- 2007
|
2006
- **Research assistant**
Bioprocesses Group, Faculty of Chemistry
📍 University of Vigo
 - Introduction to research grant from the Spanish Science and Education Ministry.
- 2006
- **Teaching assistant**
Faculty of Biology
📍 University of Vigo
 - Lecturer's support in the Bologna process.
 - Grant provider: University of Vigo.

TEACHING EXPERIENCE






Courses

- 2020
- **CVEN9855 - Water & Wastewater Analysis**
School of Civil and Environmental Engineering.
📍 The University of New South Wales
 - Term 1. Section on microbiology of wastewater


Invited Lectures

- 2012
- **Uranium heap leaching: Microbiological aspects**
School of Civil and Environmental Engineering.
📍 The University of New South Wales

Workshops



- 2019
- **EMBL-ABR: Phylogenetic trees for beginners**
EMBL-ABR (Sydney node).  The University of New South Wales
• Node organiser and facilitator.
 - **EMBL-ABR: Implementing Scalable Bioinformatic Workflows in Snakemake & Nextflow**
EMBL-ABR (Sydney node).  The University of New South Wales
• Facilitator.
- 2018
- **EMBL-ABR: 16S Metagenomics with Galaxy Australia**
EMBL-ABR (Sydney node).  University of Sydney
• Facilitator.
 - **Long-read Data Analysis Workshop**
NSW Systems Biology Initiative.  The University of New South Wales
• Organiser, trainer, facilitator.
- 2011
- **Hands on Zotero, a free alternative to EndNote**
Bioprocesses group.  University of Vigo
• Organiser, sole trainer.
• Group's internal workshop.

Supervision

- Current
|
2019
- **Kevin Yonathan**
PhD. Role: External supervisor.  University of Technology, Sydney
Study of the response of microbial communities to silver nanoparticles through metagenomics.

I have also informally supervised, supported, mentored, or collaborated with a total of 21 students across multiple levels (1 Course project, 7 Honours, 12 PhD, and 1 Practicum).

GRANTS

- 2021
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2020
- **Bioplatforms Australia / NSW Department of Industry RAAP – NCRIS NSW Co-investment Support Shared Grant**
 School of Biotechnology and Biomolecular Sciences / Ramaciotti Centre for Genomics at The University of New South Wales
• Total amount: AU\$600,000
• Role: investigator. CI: Prof. Marc Wilkins
- 2020
- **BABS sequencing grant**
Investigation of a phage capable of species cross-infection
 School of Biotechnology and Biomolecular Sciences / Ramaciotti Centre for Genomics at The University of New South Wales
• AU\$5,000 for sequencing
• Role: co-CI with Dr. Dragica Damnjanović and Dr. Melissa Harvey

- 2020
|
2019
- **ResTech Support Scheme**
OTUreporter pipeline coding project
📍 The University of New South Wales
• AU\$15,000
• Role: project lead. CI: Prof. Marc Wilkins
- 2015
- **Postdoctoral writing Fellowship Grant**
📍 School of Civil and Environmental Engineering at
The University of New South Wales
• 0.4 FTE salary for 12 weeks
- 2015
|
2011
- **UNSW Tuition fee scholarship**
📍 Graduate Research School at The University of New
South Wales
• Tuition fees for PhD program
• Supervisors: Prof. T. David Waite and Prof. Brett A. Neilan
- 2015
|
2011
- **Australian Postgraduate Award (Industry)**
📍 Australian Federal Government
• AU\$27,651.00 per year for 3.5 years
• Supervisors: Prof. T. David Waite and Prof. Brett A. Neilan



AWARDS

- 2020
- **SRAP Laureate 2020**
📍 Spanish Researchers in Australia-Pacific



TRAINING AND PROFESSIONAL DEVELOPMENT



Courses

- 2022
- **Differential Expression Analysis with limma in R**
DataCamp. 📍 Online
 - **R Programming - Skill Track (updated)**
DataCamp. 📍 Online
 - **Importing & Cleaning Data with R - Skill Track**
DataCamp. 📍 Online
 - **Data manipulation with R - Skill Track**
DataCamp. 📍 Online
 - **Data Visualization with R - Skill Track**
DataCamp. 📍 Online
- 2021
- **Intermediate Tidyverse Toolbox Track - Skill Track**
DataCamp. 📍 Online
- 2020
- **SQL Fundamentals - Skill Track**
DataCamp. 📍 Online

I have completed about 110 h of training in courses and workshops in the last two years alone.

	● R Programming - Skill Track DataCamp.	📍 Online
	● Python Fundamentals - Skill Track DataCamp.	📍 Online
	● Tidyverse Fundamentals with R - Skill Track DataCamp.	📍 Online
2018	● Introduction to Git for Data Science DataCamp.	📍 Online
	● Jekyll: make fast, secure static sites and blogs with Jekyll Udemy.	📍 Online
2016	● Introduction to Python for Data Science (DAT208x) Microsoft.	📍 Online
	● Introduction to R for Data Science (DAT204x) Microsoft.	📍 Online
2015	● Astrobiology and the Search for Extraterrestrial Life The University of Edinburgh.	📍 Online
	● HTML & CSS Codecademy.	📍 Online
	● Introduction to Genomic Technologies Johns Hopkins University.	📍 Online
	👤 <i>Workshops</i>	
2021	● Viral metagenomics with Hecatomb ABACBS2021 Conference.	📍 Remote
	● Using containers in bioinformatics Australia BioCommons.	📍 Remote
	● Path Forward for Naming the Uncultivated SeqCode2021 committee.	📍 Remote
2018	● JAMS 2018 TOAST Workshop Joint Academic Microbiology Seminars. 📍 University of Technology, Sydney, AUS	
	● Resolving Microbial Communities At Strain-Level Resolution A. Murat Eren et al.. 📍 University of Exeter, GBR	
2017	● Genome annotation using Apollo Monica Munoz-Torres / EMBL-ABR.	📍 Remote

- 2016 ● **The Omics Analysis Sydney Tutorial (TOAST)**
Joint Academic Microbiology Seminars.
📍 Australian Museum, Sydney, AUS
- **Anvi'o workshop**
A. Murat Eren et al..
📍 University of Montreal, CAN
- 2015 ● **Bioinformatics for microbial ecology and genomics**
Australian Society for Microbiology.
📍 Australia National University, Canberra, AUS



PUBLICATIONS

Rx *Pre-Prints*

- 2022 ● **Evidence for a putative isoprene reductase in *Acetobacterium wieringae***
bioRxiv, 2022.11.16.516518. [doi](#)
- M. Kronen*, X. Vázquez-Campos*, M. R. Wilkins, M. Lee & M. J. Manefield [* co-first authors].
- **Cross-linking mass spectrometry discovers, evaluates, and validates the experimental and predicted structural proteome**
bioRxiv, 2022.11.16.516813. [doi](#)
- T. K. Bartolec, X. Vázquez-Campos, A. Norman, C. Luong, R. J. Payne, M. R. Wilkins, J. P. Mackay & J. K. Low.



Under Review

- 2022 ● **Effect of standardized ginger root powder on gastrointestinal bacteria composition, gastrointestinal symptoms, mental health, fatigue, and quality of life: A double-blind placebo-controlled trial**
Journal of the Academy of Nutrition and Dietetics, JANDJRL-S-22-00854.
- M. Crichton, S. Marshall, W. Marx, E. Isenring, X. Vázquez-Campos, S. L. Dawson & A. Lohning.



Journal Articles

- 2022 ● **Contaminant release, mixing and microbial fluctuations initiated by infiltrating water within a replica field-scale legacy radioactive waste trench**
Science of The Total Environment 851(Part 1), 158241. [doi](#)
- A. S. Kinsela, T. E. Payne, M. W. Bligh, X. Vázquez-Campos, M. R. Wilkins, M. J. Comarmond, B. Rowling & T. D. Waite.

- **Metaproteomics reveals methyltransferases implicated in dichloromethane and glycine betaine fermentation by ‘*Candidatus Formimonas warabiya*’ strain DCMF**
Frontiers in Microbiology 13, 1035247. [doi](#)
S. I. Holland, X. Vázquez-Campos, E. Haluk, R. J. Edwards, M. J. Manefield & M. Lee.
- **The interplay between use of biological therapies, psychological state, and the microbiome in IBD**
Frontiers in Medicine 9, 788992. [doi](#)
P. Tavakoli, U. Vollmer-Conna, D. Hadzi-Pavlovic, X. Vázquez-Campos & M. C. Grimm.
- **Characterisation of bacteriophage vB_SmaM_Ps15 infective to *Stenotrophomonas maltophilia* clinical ocular isolates**
Viruses 14(4), 709. [doi](#)
D. Damjanović, X. Vázquez-Campos, L. Elliot, M. Willcox & W. J. Bridge.
- 2021 ● **Genomic insights into the *Archaea* inhabiting an Australian radioactive legacy site**
Frontiers in Microbiology 12, 732575. [doi](#)
X. Vázquez-Campos, A. S. Kinsela, M. W. Bligh, T. E. Payne, M. R. Wilkins & T. D. Waite.
- **Biogeochemical mobility of contaminants from a replica radioactive waste trench in response to rainfall-induced redox oscillations**
Environmental Science & Technology 55(13), 8793-8805. [doi](#)
A. S. Kinsela, M. W. Bligh, X. Vázquez-Campos, Y. Sun, M. R. Wilkins, M. J. Comarmond, B. Rowling, T. E. Payne & T. D. Waite.
- **Biocrust cyanobacterial composition, diversity, and environmental drivers in two contrasting climatic regions in Brazil**
Geoderma 386, 114914. [doi](#)
N. M. Machado de Lima, M. Muñoz-Rojas, X. Vázquez-Campos & L. H. Branco.
- **Community-led, integrated, reproducible multi-omics with anvi'o**
Nature Microbiology 6(1), 3-6. [doi](#)
A. M. Eren, E. Kiefl, A. Shaiber, I. Veseli, S. E. Miller, M. S. Schechter, I. Fink, J. N. Pan, M. Yousef, E. C. Fogarty, F. Trigodet, A. R. Watson, Ö. C. Esen, R. M. Moore, Q. Clayssen, M. D. Lee, V. Kivenson, E. D. Graham, B. D. Merrill, A. Karkman, D. Blankenberg, J. M. Eppley, A. Sjödin, J. J. Scott, X. Vázquez-Campos, L. J. McKay, E. A. McDaniel, S. L. Stevens, R. E. Anderson, J. Fuessel, A. Fernandez-Guerra, L. Maignien, T. O. Delmont & A. D. Willis.

- 2020 ● **Shed Light in the DaRk LineagES of the Fungal Tree of Life—STRES**
Life 10(12), 362. [doi](#)
- L. Selbmann, Z. Benkő, C. Coleine, S. de Hoog, C. Donati, I. Druzhinina, T. Emri, C. L. Ettinger, A. S. Gladfelter, A. A. Gorbushina, I. V. Grigoriev, M. Grube, N. Gunde-Cimerman, Z. Á. Karányi, B. Kocsis, T. Kubressioian, I. Miklós, M. Miskei, L. Muggia, T. Northen, M. Novak-Babič, C. Pennacchio, W. P. Pfliegler, I. Pöcsi, V. Prigione, M. Riquelme, N. Segata, J. Schumacher, E. Shelest, K. Sterflinger, D. Tesei, J. M. U'Ren, G. C. Varese, **X. Vázquez-Campos**, V. A. Vicente, E. M. Souza, P. Zalar, A. K. Walker & J. E. Stajich.
- **Bacteriophage genotyping using BOXA repetitive-PCR**
BMC Microbiology 20, 154. [doi](#)
- D. Damjanovic, **X. Vázquez-Campos**, D. L. Winter, M. Harvey & W. J. Bridge.
- 2018 ● **Disentangling the drivers of functional complexity at the metagenomic level in Shark Bay microbial mat microbiomes**
The ISME Journal 12, 2619-2639. [doi](#)
- H. L. Wong, R. A. White III, P. T. Visscher, J. C. Charlesworth, **X. Vázquez-Campos** & B. P. Burns.
- 2017 ● **Response of microbial community function to fluctuating geochemical conditions within a legacy radioactive waste trench environment**
Applied and Environmental Microbiology 83(17), e00729. [doi](#)
- X. Vázquez-Campos**, A. S. Kinsela, M. Bligh, J. J. Harrison, T. E. Payne & T. D. Waite.
- **Uranium extraction from a low-grade, stockpiled, non-sulfidic ore: Impact of added iron and the native microbial consortia**
Hydrometallurgy 167, 81-91. [doi](#)
- X. Vázquez-Campos**, A. S. Kinsela, R. N. Collins, B. A. Neilan & T. D. Waite.
- 2015 ● **Uranium binding mechanisms of the acid-tolerant fungus *Coniochaeta fodinicola***
Environmental Science & Technology 49(14), 8487-8496. [doi](#)
- X. Vázquez-Campos**, A. S. Kinsela, R. N. Collins, B. A. Neilan, N. Aoyagi & T. D. Waite.
- **Acidotolerant genus *Fodinomyces* (Ascomycota: *Capnodiales*) is a synonym of *Acidiella***
Czech Mycology 67(1), 37-38. [doi](#)
- M. Kolařík, M. Hujšlová & **X. Vázquez-Campos**.

2014 ● ***Fodinomyces uranophilus* gen. nov. sp. nov. and *Coniochaeta fodinicola* sp. nov., two uranium mine inhabiting Ascomycota fungi from northern Australia**
Mycologia 106(6), 1073-1089. [doi](#)

X. Vázquez-Campos, A. S. Kinsela, T. D. Waite, R. N. Collins & B. A. Neilan.

2012 ● **Isolation of novel benzo[a]anthracene-degrading microorganisms and continuous bioremediation in an expanded-bed bioreactor**
Bioprocess and Biosystems Engineering 35(5), 851-855. [doi](#)

E. Rosales, A. Pérez-Paz, X. Vázquez, M. Pazos & M. Sanromán.



Technical Reports

2015 ● **Biogeochemical controls of uranium heap leaching**
A. Kinsela, X. Vázquez-Campos, R. Collins, B. Neilan & T. Waite.
Project Completion Report to ERA, p. 87.



CONFERENCE CONTRIBUTIONS



Oral Presentations

2019 ● **Unusual DPANN Archaea from a radioactive legacy site**
Australian Microbial Ecology Conference (AusME 2019). [doi](#)
📍 Perth, WA, Australia
X. Vázquez-Campos, A. S. Kinsela, M. W. Bligh, M. R. Wilkins, T. E. Payne & T. D. Waite.












2017 ● **Metagenomic and geochemical changes following rainfall at a legacy radionuclide waste disposal site**
Australian Microbial Ecology Conference (AusME 2017). [doi](#)
📍 Melbourne, VIC, Australia
X. Vázquez-Campos, A. S. Kinsela, T. E. Payne & T. D. Waite.

2012 ● **The isolation of fungi from low-pH, high ionic strength uranium mine process water**
6th International Symposium on Biohydrometallurgy. [doi](#)
📍 Falmouth, UK
X. Vázquez-Campos, A. Kinsela, B. Neilan, R. Collins & T. Waite.




Posters

2019 ● **OTUreporter: amplicon to report in a single command**
Joint 30th International Conference on Genome Informatics (GIW) & Australian Bioinformatics and Computational Biology Society (ABACBS) Annual Conference (GIW/ABACBS 2019). [doi](#)
📍 Sydney, NSW, Australia
X. Vázquez-Campos, D. McFarlane, A. M. Chilton, J. R. Koval & M. R. Wilkins.

- 2018
- **OTUreporter: an automated pipeline for the analysis and report of amplicon sequencing data**
ABACBS-2018 National Conference.   Melbourne, VIC, Australia
 X. Vázquez-Campos, A. Chilton, J. Koval, J. J. Tree & M. R. Wilkins.
 - **New Archaea lineages from a radioactive legacy site**
Molecular biology of archaea: From mechanisms to ecology (MoBA6).   Vienna, Austria
 X. Vázquez-Campos, A. S. Kinsela, M. W. Bligh, M. R. Wilkins, T. E. Payne & T. D. Waite.
 - **OTUreporter: a modular automated pipeline for the analysis and report of amplicon data**
Sydney Bioinformatics Research Symposium 2018.   Sydney, NSW, Australia
 X. Vázquez-Campos, A. Chilton, J. Koval, J. J. Tree & M. R. Wilkins.
- 2017
- **Phylogenomics of a radioactive legacy site reveals new Archaea phyla of unknown function**
Sydney Bioinformatics Research Symposium 2017.   Sydney, NSW, Australia
 X. Vázquez-Campos, A. S. Kinsela, M. R. Wilkins, T. E. Payne & T. D. Waite.
- 2016
- **Rainfall-mediated biogeochemical changes at a legacy radionuclide waste disposal site**
16th International Symposium on Microbial Ecology (ISME16).   Montreal, Canada
 X. Vázquez-Campos, A. S. Kinsela, J. J. Harrison, K. Wilsher, S. Thiruvoth, B. Rowling, T. E. Payne & T. D. Waite.
- 2014
- **Biogeochemical changes during experimental column leaching of a weathered uranium composite**
15th International Symposium on Microbial Ecology (ISME15).  Seoul, South Korea
 X. Vázquez-Campos, A. Kinsela, T. Waite, R. Collins & B. Neilan.



Co-Authored Contributions

- 2022
- **Exploring the human structural proteome, complexome and interactome with deep, large-scale crosslinking mass spectrometry**
27th Annual Lorne Proteomics Symposium.  Lorne, VIC, Australia
 T. K. Bartolec, M. Johnson, A. Hawken, A. Norman, R. J. Payne, X. Vázquez-Campos, M. R. Wilkins, J. P. Mackay & J. K. Low.

Contributed abstracts presented by co-authors at conferences. Showing selected 5 out of 21.

- 2020 ● **Nanosilver in the aquatic environment: impact on microbial communities**
22nd EMBL PhD Symposium "The Roaring 20s: A New Decade for Life Sciences".
 📍 EMBL Heidelberg, Germany
 K. Yonathan, X. Vázquez-Campos, R. Mann, K. R. Mahbub & C. Gunawan.
- 2019 ● **The impact of repeated redox cycling events on the biogeochemistry of a simulated legacy radioactive waste trench**
17th International Conference on the Chemistry and Migration Behaviour of Actinides and Fission Products in the Geosphere.
 📍 Kyoto, Japan
 A. S. Kinsela, M. W. Bligh, X. Vázquez-Campos, T. D. Waite, T. E. Payne, M. J. Comarmond & B. Rowling.
- 2018 ● **Microbial profiling of the Himalayan Puga geothermal system: towards an astrobiological model**
Astrobiology Australasia Conference 2018.
 📍 Rotorua, New Zealand
 A. M. Chilton, X. Vázquez-Campos, L. Steller, T. Djokic & M. J. Van Kranendonk.
- 2017 ● **Understanding oat stem rust pathogen genome by PacBio sequencing**
Sydney Bioinformatics Research Symposium 2017.
 📍 Sydney, NSW, Australia
 C. Dong, X. Vázquez-Campos, N. Deshpande, P. Zhang, M. R. Wilkins & R. F. Park.



INVITED TALKS

- 2019 ● **Current trends in academia: online presence, community service and openness**
 Water Research Centre research seminar series. [🔗](#)
 📍 Water Research Centre, Kensington, Australia
- 2017 ● **Assembly and annotation of *Puccinia graminis* f. sp. *avenae*, 'oat stem rust'. Lessons about the process and some results**
 Invited talk at the Plant Breeding Institute.
 📍 Plant Breeding Institute, Cobbitty, Australia
- **Metagenomic and geochemical changes following rainfall at a legacy radionuclide waste disposal site**
 Joint Academic Microbiology Seminars (JAMS). [🔗](#)
 📍 Sydney, Australia

SERVICE

● Institutional Service

• University of New South Wales

- Postgraduate student representative at the OH&S Committee of the School of Civil and Environmental Engineering (2013–2015).

● Professional Affiliations

• American Society for Microbiology

- Regular member (2015–Current).

• Australian Bioinformatics and Computational Biology Society

- Regular member (2018–Current).

• Australian Society for Microbiology

- Regular member (2015–Current).

• International Society for Microbial Ecology

- Regular member (2014–Current).

• Spanish Researchers in Australia-Pacific

- Co-founder (2014).
- Board member and web/IT coordinator (2014–2020).
- Regular member (2021–Current).

● Conferences

• Australian Microbial Ecology conference 2022 (AusME2022)

- Plenary chair and poster judge (2022).

• 6th Australia-Spain Research Forum: Big Data

- Event registration (2020).

• 5th Australia-Spain Research Forum: 5 years Bridging Australia and Spain in Research and Academia

- Website (2019).

• 4th Australia-Spain Research Forum: Earth

- Website (2018).

• 3rd Australia-Spain Research Forum: Air

- Website and event registration (2017).

• 2nd Australia-Spain Research Forum: Light

- Website (2016).

• Australia-Spain Water Forum

- Website and event photography (2015).

● Peer Reviews

Reviewer for >10 different journals since 2016, including leading journals in their own fields, e.g., *Astrobiology*, *Environmental Science and Technology*, or *Microbiome*.

For a full record as reviewer, consult my public [ResearcherID profile](#).