

# 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

### Licenciante 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

### Research assistant (casual)

School of Biotechnology and Biomolecular Sciences

📍 The University of New South Wales

2023

### Bioinformatics scientist

MINIMUM bio

📍 Sydney, Australia

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.

## CONTACT

✉ [xvazquezc@gmail.com](mailto: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 2023-06-20.

- 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.
- 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 Wollongong  
• 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.

## *GRANTS*

- 2021  
|  
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

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).

- 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

I have completed about 90 h of training in courses and workshops in the last two years alone.

	<ul style="list-style-type: none"> <li>● <b>Data Visualization with R - Skill Track</b> DataCamp.  Online</li> </ul>	
2021	<ul style="list-style-type: none"> <li>● <b>Intermediate Tidyverse Toolbox Track - Skill Track</b> DataCamp.  Online</li> </ul>	
2020	<ul style="list-style-type: none"> <li>● <b>SQL Fundamentals - Skill Track</b> DataCamp.  Online</li> <li>● <b>R Programming - Skill Track</b> DataCamp.  Online</li> <li>● <b>Python Fundamentals - Skill Track</b> DataCamp.  Online</li> <li>● <b>Tidyverse Fundamentals with R - Skill Track</b> DataCamp.  Online</li> </ul>	
2018	<ul style="list-style-type: none"> <li>● <b>Introduction to Git for Data Science</b> DataCamp.  Online</li> </ul>	
	<ul style="list-style-type: none"> <li>● <b>Jekyll: make fast, secure static sites and blogs with Jekyll</b> Udemy.  Online</li> </ul>	
2016	<ul style="list-style-type: none"> <li>● <b>Introduction to Python for Data Science (DAT208x)</b> Microsoft.  Online</li> </ul>	
	<ul style="list-style-type: none"> <li>● <b>Introduction to R for Data Science (DAT204x)</b> Microsoft.  Online</li> </ul>	
2015	<ul style="list-style-type: none"> <li>● <b>Astrobiology and the Search for Extraterrestrial Life</b> The University of Edinburgh.  Online</li> <li>● <b>HTML &amp; CSS</b> Codecademy.  Online</li> <li>● <b>Introduction to Genomic Technologies</b> Johns Hopkins University.  Online</li> </ul>	
	 <b>Workshops</b>	
2021	<ul style="list-style-type: none"> <li>● <b>Viral metagenomics with Hecatomb</b> ABACBS2021 Conference.  Remote</li> <li>● <b>Using containers in bioinformatics</b> Australia BioCommons.  Remote</li> <li>● <b>Path Forward for Naming the Uncultivated</b> SeqCode2021 committee.  Remote</li> </ul>	
2018	<ul style="list-style-type: none"> <li>● <b>JAMS 2018 TOAST Workshop</b> Joint Academic Microbiology Seminars.  University of Technology, Sydney, AUS</li> </ul>	

- **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



### *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*

- 2023 ● **Cross-linking mass spectrometry discovers, evaluates, and corroborates structures and protein-protein interactions in the human cell**  
*Proceedings of the National Academy of Sciences* 120(17), e2219418120. [doi](#)  
T. K. Bartolec, X. Vázquez-Campos, A. Norman, C. Luong, M. Johnson, R. J. Payne, M. R. Wilkins, J. P. Mackay & J. K. Low.
- **Evidence for a putative isoprene reductase in *Acetobacterium wieringae***  
*mSystems* 8(2), e00119-23. [doi](#)  
M. Kronen, X. Vázquez-Campos, M. R. Wilkins, M. Lee & M. J. Manefield.
- 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. Kubressoian, 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

2022 ● **A WHO collaborative study to evaluate the candidate 1st WHO International Reference Reagents for Gut Microbiome analysis by Next-Generation Sequencing**  
C. Sergaki, S. Anwar, J. Hassall, A. Logan, P. Rigsby, S. Rijpkema, G. Amos & . study participants. *WHO Publication*, p. 63.

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.* [doi](#)  
 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).* [doi](#)  
 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.* [doi](#)  
 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.* [doi](#)  
 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).* [doi](#)  
 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

Contributed abstracts presented by co-authors at conferences.

- 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.
- 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](#).