
Bruno B. Queliconi, PhD

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Education

University of São Paulo, Chemistry Institute, Department of Biochemistry, 2009-14
PhD in Biochemistry and Molecular Biology, scholarship (~US\$100k) and research grant (~US\$25k)

University of São Paulo, Biology Institute 2005-09
B.Sc. in Biological Sciences, national level scholarship renewed for 3 years (R\$4K/~US\$2.6k)
Best South American University, accepted on the top 3% classification

Leadership & Accomplishments

13 international publication (400+ citations / 4 oral presentations and 9 posters) 2007-present
• 4 publications as 1st and 5 as 2nd author, with a 1st author publication as an undergraduate

Optimization of laboratory workflow and new research line implementation 2018
• In less than 4 months remodulated laboratory workflow to save thousands of dollars while produce essential data to apply for US\$250k in Grants for a new research line

Founder and President of the PhD students Association (Team of 12, representing 300 students) 2009-12
• Created new tools for collaboration and efficient resource use, +60% adoption and recurrent use
• Worked with students and professors to create a framework to produce solutions to problematic disciplines

Brazilian stock portfolio, producing 2x+ the local index (IBOV) 2005-present
• Developed an investment strategy focusing on company growth stage, finance statement and market fit
• Successfully implemented on variety of family reserves, while carefully selecting REITs to diversify risks

Work experience

➤ **Postdoctoral Fellow:** Stanford University, School of Medicine, June 2018-Present
Department of Chemical and Systems Biology, Stanford, CA, USA
Consultant about mitochondrial and protein interaction topics. Developing a new research line exploring ALDH2 and neurodegenerative diseases

➤ **Postdoctoral Fellow:** Tokyo Metropolitan Institute of Medical Science Nov. 2014- 2018
Department of Advanced Science for Biomolecules, Tokyo, Japan
Discovered a new mitochondrial import mechanism that affects disease linked proteins (1st author work under review at *Nature*), improved the statistical analysis and created high throughput assays to measure protein function for the whole laboratory.

➤ **Visiting PhD Student:** Cedars-Sinai Hospital June 2013-2014
Heart Institute, Los Angeles, CA, USA
Served as the point of contact on mitochondrial metabolism, characterized a new factor affecting ischemia damage and validated the function of drug candidate proteins in Pig hearts

➤ **Undergraduate researcher and PhD candidate:** University of São Paulo, 2005-2014
Chemistry Institute, Department of Biochemistry, São Paulo, Brazil
Worked with mitochondrial and heart physiology, started an independent research line as an undergraduate. Create and coordinated national and international collaborations that still produce results.

Selected Awards and Honours (3 of 8)

- JSPS Postdoctoral Fellow - successful rate 10% - Stipend US\$86k + Research US\$25k 2016
- Young Scientist Program Award from The International Union of Biochemistry and Molecular Biology 2015
(15% approval rate, +300 contenders)
- American Society for Biochemistry and Molecular Biology PROLAB Prize - US\$4.5k grant 2011

Skills and Information

- **Languages** – Portuguese (Proficient), English (Proficient), Japanese (Basic Proficiency)
- **Finance** – Valuation (DCF), Financial report analysis, Statistics (basic)
- **Project Development** – Budgeting, Project planning, Priorities determination, Team management
- **Work Permit Countries** – Brazil, Europe and Japan • **Sports** – Tennis, Triathlon