



Thiago Mosqueiro

Postdoctoral Researcher at BioCircuits Institute (San Diego, Ca)

EDUCATION

UC SAN DIEGO
Internship (doctorate sandwich)
2014-2015 | San Diego, USA

UNIVERSITY OF SÃO PAULO
PhD in Physics
Title: Information processing in sensory neural networks
Institute of Physics of São Carlos
August of 2015 | São Paulo, Brazil

MS in Physics
Institute of Physics of São Carlos
Feb 2011 | São Paulo, Brazil

BS in Physics
Institute of Physics of São Carlos
December 2008 | São Paulo, Brazil

IN NUMBERS

Published papers: 5
Invited & accepted talks: 13
Conferences attended: 22
Papers reviewed: 3

SOCIAL NETWORKS

Github: [thmosqueiro](#)
LinkedIn: [thmosqueiro](#)
Twitter: [@thmosqueiro](#)

COURSEWORK

GRADUATE

Advanced Machine Learning
Neurodynamics
Advanced statistical inference
Statistical physics
Information theory
Advanced algorithms & data structures

UNDERGRADUATE

Applied mathematical methods
Advanced numerical analysis
Numerical linear algebra
Probability theory
Statistical inference
LaTeX & markup languages
Web-based languages

CONTACT

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Current address:
BioCircuits Institute
University of California San Diego
9500 Gilman Dr., Mail Code 0402 – La Jolla CA 92093-0402

EXPERIENCE

BIOCIRCUITS INSTITUTE

NIH postdoctoral appointment + CNPq fellow

Oct 2015 – present | University of California San Diego, CA

- Creating neural models of olfaction in insects
- Modeling pattern recognition in electronic noses
- Decision making in honeybee foraging for optimal hive performance
- Financial data wrangling and prediction

RADY SCHOOL OF MANAGEMENT

Junior Specialist

Jan – Apr 2015 | University of California San Diego, CA

- Collecting and analyzing financial data

INSTITUTE OF PHYSICS OF SÃO CARLOS

Teaching assistant

2010 – 2013 | University of São Paulo, São Carlos, SP

- Worked as teaching assistant with Dr. Francisco Alcaraz, Dr. Leonardo Maia, Dr. Rodrigo Pereira, Dr. José Abel Hoyos & Dr. Luis Nunes
- **Disciplines:** Statistical Physics, Physics 102 and Computational Physics

AWARDS

| | |
|---------|--|
| 2015 | Microsoft Azure Research grant |
| 2015 | CNPq PDE fellowship |
| 2014 | CAPES PSDE fellowship |
| 2014 | Selected IOP paper for novelty & impact |
| 2013 | Yvone Mascarenhas award for best TA |
| 2012-13 | USP PAE fellow (teaching assistant) |
| 2009 | Best article award (The LaTeX Community) |

ADDITIONAL INFORMATION

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|--------------|--|
| 2015-present | Referee for PLOS Computational Biology |
| 2015 | Participant of Brasil-USP iGEM team (gold badge) |
| 2011-present | Developed integrated system for scientific conferences |
| 2009-present | Open \LaTeX thesis class for IFSC |
| 2012 | Developed JAQue (Joomla Academic Queries, closed source) |