



# 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

Papers in peer-reviewed journals: 5  
Invited & accepted talks: 13  
Conferences attended: 22  
Papers reviewed: 4

## 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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**WWW:** <http://thmosqueiro.vandroy.com>

### 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

Lecturer

Sept 2016 – present | University of California San Diego, CA

- Teaching Collecting and analyzing financial data

Junior Specialist

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

- Under supervision of Dr. Ramon Huerta

### 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 & GRANTS

|         |  |
|---------|--|
| 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

|              |  |
|--------------|--|
| Refereed for | PLOS Comp Bio, Royal Soc Interface, NIPS, Neural Computation |
| 2015         | Participant of Brasil-USP iGEM team (gold badge)             |
| 2013, 2015   | Judge during the <b>IYPT</b> (finals in Brazil)              |
| 2011-present | Developed integrated system for scientific conferences       |
| 2009-present | Open $\LaTeX$ thesis class for IFSC                          |