

# Workshops:

## Experimental Design and Adaptation in Immunological Research

June 30 – July 2, 2025

### Monday, June 30

2:00 PM – 3:45 PM  
Daniel Mucida

4:00 PM – 5:30 PM  
Angelina Bilate

### Tuesday, July 1

2:00 PM – 3:45 PM  
Gabriel Victora

4:00 PM – 5:30 PM  
Thiago Carvalho

### Wednesday, July 2

2:00 PM – 3:45 PM  
Carolina Lucas

4:00 PM – 5:30 PM  
Student Research Design  
Discussion

**Registration** (limited to the first 24 applicants):

<https://u.kyoto-u.jp/h4xmb>


- Admission free
- Open to all; priority will be given to graduate students and postdocs if oversubscribed.
- The six sessions constitute a single program, and individual session registration is not available.

**Venue:** 2F Meeting Room at BMS Building

Organized by  
Center for Cancer Immunotherapy  
and Immunobiology (CCII)  
[kib.ccii.mem@mail2.adm.kyoto-u.ac.jp](mailto:kib.ccii.mem@mail2.adm.kyoto-u.ac.jp)

# Workshop Overview

The goal of this workshop is to discuss and dissect project design and execution in immunology. The four invited lecturers (Daniel Mucida, Gabriel Victora, Carolina Lucas, and Angelina Bilate) will present current and past research projects in mucosal immunology, neuroimmunology, B cell and germinal center dynamics, human immunology, and anti-viral immunity; the focus will be to discuss the challenges and problems that arose during the projects and how they developed new experimental approaches to adapt and overcome these obstacles. There will also be time for participating students and postdocs to discuss challenges they are facing in their own research projects.

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# Daniel Mucida

Professor, Rockefeller University

<https://www.rockefeller.edu/our-scientists/heads-of-laboratories/983-daniel-mucida/>

Investigator, Howard Hughes Medical Institute

<https://www.hhmi.org/scientists/daniel-mucida>

Daniel's Laboratory of Mucosal Immunology has made seminal contributions to our understanding of the development and function of intraepithelial lymphocytes, as well as to immunity and tolerance at the body's mucosal surfaces. Over the last decade, the Mucida lab has incorporated the tools of modern neuroscience to study the neuroimmune interface and how it regulates host physiology. Daniel did his PhD work at the University of São Paulo and New York University and a postdoc at the LaJolla Institute before joining Rockefeller as a faculty member in 2010.

# Gabriel Victora

Professor, Rockefeller University

<https://www.rockefeller.edu/our-scientists/heads-of-laboratories/1130-gabriel-d-victora/>

Investigator, Howard Hughes Medical Institute

<https://www.hhmi.org/scientists/gabriel-d-victora>

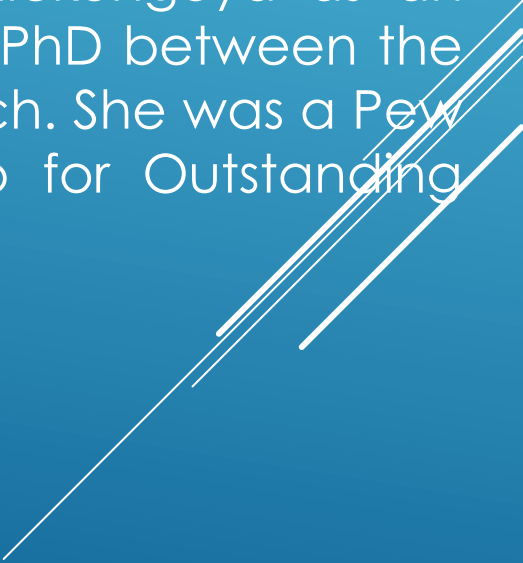
Gabriel's lab studies the dynamics of germinal center responses. To do this, Gabriel and his colleagues have developed a molecular biology and imaging toolkit to allow the in vivo tracing of cellular interaction networks, including the LIPSTIC system. Gabriel explores physiology and function of B cell immunity, but he also studies the germinal center as a microcosm of Darwinian evolution. Gabriel completed his PhD at New York University in 2011 and was then immediately selected to be an independent researcher at the Whitehead Institute, MIT from 2012 to 2016, when he joined Rockefeller as a faculty member.

# Carolina Lucas

Assistant Professor, Yale University

<https://medicine.yale.edu/profile/carolina-lucas/>


The Lucas Lab studies immunity to emerging viral infections, specifically age-dependent resistance and tolerance mechanisms in both natural infections and vaccination. Carolina did her postdoc with Akiko Iwasaki at Yale, where she set up many of the human immunology protocols during the COVID-19 pandemic — her work before the global health emergency focused on immunity to emerging viruses (SARS-CoV-2 joined Zika and Chikungunya as an object of study for Carolina). Carolina did a mixed PhD between the Federal University of Rio de Janeiro and the ETH-Zurich. She was a Pew Fellow and a recipient of the Kingsley Fellowship for Outstanding Junior Faculty at Yale.

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# Angelina Bilate

Senior Research Associate, Rockefeller University

Angelina is a senior researcher in the Mucida lab, where her work focuses on the biology of intraepithelial lymphocytes. She did her PhD at the University of São Paulo and postdocs with Juan Lafaille (New York University) on regulatory T cells and with Hidde Ploegh at MIT's Whitehead Institute, where she was a Pew Fellow. In the Ploegh lab, Angelina described context dependent selection of mucosal and peripheral T cells, and as a senior author led a study on the tricky problem of determining the specificity of mucosal T cells. She joined Rockefeller as Senior Research associate in 2016.

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# Thiago Carvalho

Co-founder, Fellowsherpa SL

Visiting Professor, Kyoto University

Thiago Carvalho studied biology at the University of São Paulo, Campinas (UNICAMP). He obtained his Ph.D. in immunology at the Gulbenkian Institute of Science (IGC, Portugal) and completed his post-doctoral training in immunology at the University of Alabama, Birmingham. Thiago has extensive experience in science education and communication, having served as the Head of Graduate Programs at the IGC, Graduate Studies Coordinator at the Champalimaud Foundation (Portugal), associate curator of the Gulbenkian Foundation's "Darwin's Evolution" exhibition (2009), senior scientific editor at the Journal of Experimental Medicine (New York), and senior writer for the Director of the European Molecular Biology Organization (EMBO).

Thiago wrote the "COVID-19 Research in Brief" and "Clinical Pipeline" columns for Nature Medicine and produced podcast series for EMBO and the Helmholtz Pioneer Campus (Munich). Together with David del Alamo, Thiago creates and delivers scientific skills training through their company, Fellowsherpa.