

# Juliane Jaepel

POST-DOC FELLOW · MAX PLANCK FLORIDA INSTITUTE FOR NEUROSCIENCE

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## Education

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- Neural Data Science.** CSHL Labs. 2019
- Transylvanian Experimental Neuroscience Summer School.** Pike Lake, Romania. 2012
- PhD Biology.** Ludwig Maximilian University, Munich, Germany. 2011 - 2017
- MSc Biomedicine.** Julius Maximilians University of Würzburg, Germany. 2009 - 2011
- BSc Biomedicine.** Julius Maximilians University of Würzburg, Germany. 2006 - 2009

## Research Experience

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- Max Planck Florida Institute for Neuroscience** *PI: David Fitzpatrick*  
POST-DOC FELLOW *Spring 2018 - present*
  - Deciphering the impact of feedback from area 19 on layer 2/3 cell in ferret visual cortex
- Max Planck Institute of Neurobiology, Munich, Germany** *PI: Tobias Bonhoeffer*  
GRADUATE STUDENT *Fall 2011 - Fall 2017*
  - Two-photon imaging in anesthetized mice to study experience-dependent plasticity of thalamocortical axons in layer I of primary visual cortex
- Julius Maximilians University of Würzburg** *PI: Robert Blum*  
STUDENT RESEARCH ASSISTANT *May 2011 - Aug. 2011*
  - Direct imaging of ER calcium signals in dissociated hippocampal cultures
- Bayer HealthCare, Richmond** *PI: Ed Croze*  
INTERN *Apr. 2011 - Jul. 2011*
  - Internship in the field of immunological research with a focus on multiple sclerosis
- German Cancer Research Center, Heidelberg, Germany** *PI: Michael Boutros*  
INTERN *Feb. 2011 - Apr. 2011*
  - Development of a luciferase-based reporter essay

## Awards & Funding

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- PhD Fellowship, Boehringer Ingelheim Fonds** 2012 - 2014
- Travel Grant of Boehringer Ingelheim Fonds** 2012
- Fellowship of the International Max Planck Research School for Molecular and Cellular Life Science** 2011 - 2017
- Undergraduate Fellowship, German National Academic Merit Foundation** 2007 - 2011
- Special Prize of the UNESCO, German Federal Competition "Jugend forscht"** 2006

## Publications

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### Functional logic of layer 2/3 inhibitory connectivity in ferret visual cortex.

B. SCHOLL, D. E. WILSON, J. JAEPEL, D. FITZPATRICK.

*Neuron*  
[https://doi.org/10.1016/  
j.neuron.2019.08.004](https://doi.org/10.1016/j.neuron.2019.08.004)

### Lateral geniculate neurons show robust ocular dominance plasticity.

J. JAEPEL, M. HÜBENER, T. BONHOEFFER, T. ROSE.

*Nature Neuroscience*  
20(12):1708-1714, 2017.

### Cell-specific restoration of stimulus preference after monocular deprivation in the visual cortex .

T. ROSE, J. JAEPEL, M. HÜBENER, T. BONHOEFFER.

*Science*  
352(6291):1319-1322, 2016.

### Direct imaging of ER calcium with targeted-esterase induced dye loading (TED).

S. SAMTLEBEN, J. JAEPEL, C. FECHER, T. ANDRESKA, M. REHBERG, R. BLUM.

*J Vis Exp*  
7 (75), 2013.

### Capturing ER Calcium Dynamics.

J. JAEPEL, R. BLUM.

*Eur J Cell Biol*  
90(8):613-619, 2011.

## Presentations

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6<sup>th</sup> European Visual Cortex Meeting, London, UK. Poster.

Sept. 2017

12<sup>th</sup> Meeting of the German Neuroscience Society, Göttingen, Germany. Talk.

Mar. 2017

FENS 10<sup>th</sup> Forum of Neuroscience, Copenhagen, Denmark. Poster.

Jul. 2018

Neuroscience 2015, Chicago. Poster

Oct. 2015

1<sup>st</sup> European Conference on Axon Guidance, Circuit Development and Regeneration, Vienna, Austria.

Sep. 2015

Poster & Flash Talk

5<sup>th</sup> European Visual Cortex Meeting, Seeon, Germany. Poster

Aug. 2015

## Teaching & Outreach

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Teaching within the FAU Max Planck Honors Program.

Since 2019

TA for Imaging Course at Max Planck Florida Institute for Neuroscience.

2019

Lecturer for Neuroscience 2, Florida Atlantic University.

2019

Co-Chair, Network for Women in Science, Max Planck Florida Institute for Neuroscience.

Since 2018

Instructor for two-week long summer courses for high school students.

2011, 2012, 2015