Christian Mayer

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Personal information

Name: Dr. Christian Mayer

Orcid ID: 0000-0003-3152-5574

Date of Birth: 22.02.1981

Website: mayerlab.net

Father of two

Education

Dr. rer. nat. 2011
Faculty of Mathematics, Informatics, and Natural Sciences, University of Hamburg *Hamburg, Germany*

Graduate Studies in Molecular Biology 2007–2009
ZMNH, University Medical Center Hamburg-Eppendorf *Hamburg, Germany*

Erasmus Exchange Program 2004
University of Milan *Milan, Italy*

Diplom in Biology 2001–2006
University of Konstanz *Konstanz, Germany*

Abitur 1992–2000
Gymnasium Münsingen (BW) *Münsingen, Germany*

Current positions

Max Planck Research Group Leader (Free-Floater Program) 2018–present
MPI for Biological Intelligence (formerly Neurobiology) *Munich, Germany*

Faculty Member 2018–present
Graduate School of Systemic Neurosciences *Munich, Germany*

Faculty Member 2018–present
International Max Planck Research School *Munich, Germany*

Previous positions

Postdoctoral Researcher 2017–2018
Stanley Center for Psychiatric Research, Broad Institute of MIT and Harvard *Boston, USA*
with Prof. Fishell

Guest Scientist 2015–2018
New York Genome Center *New York City, USA*
with Prof. Satija

Postdoctoral Researcher 2012–2017
NYU Langone Medical Center, NYU Neuroscience Institute *New York City, USA*
with Prof. Fishell

Ph.D. Program in Molecular Biology 2007–2011
Center for Molecular Neurobiology Hamburg *Hamburg, Germany*
with Prof. Boehm

Zivildienst (Civilian Service) 2000–2001
Paraplegic Center, Universitäts- und Rehabilitationskliniken Ulm *Ulm, Germany*

Fellowships and awards

The Simons Foundation 2025
Pilot Award

The Nancy Lurie Marks Familiy Foundation 2025
Pilot Award

EMBO Young Investigator Program 2023

ERC Starting Grant 2018
803984

Max-Planck Research Group Leader 2017
Free-Floater Program

EMBO Long-Term Fellowship 2012
LTF 1295-2012

Gebhard Koch-Promotionspreis für Zellbiochemie und Neurobiologie 2011
Universitätsklinikum Hamburg-Eppendorf

Teaching activities

Seminar Instructor 2022–present
Faculty of Biology, Ludwig Maximilian University of Munich *Munich, Germany*

Instructor 2022–present
CAJAL Summer School (FENS and IBRO) *Bordeaux, France*

Lecturer and Course Instructor 2018–present
Graduate School of Systemic Neurosciences *Munich, Germany*

Lecturer 2018–present
Max Planck Research School for Molecular Life Sciences *Munich, Germany*

"PROFiL Basic Seminar" 2023
Earned Certificate in Higher Education Teaching at Bavarian Universities (Areas A)

Institutional responsibilities

Commission Member 2023–present
Animal Welfare Commission of the MPI for Biological Intelligence and MPI of Biochemistry

Organizer, Keynote Lecture Series and Emerging Scientist Series 2022–present
MPI for Biological Intelligence *Munich, Germany*

Group Leader Representative, Institute Advisory Committee 2020–present
MPI for Biological Intelligence

Memberships of scientific societies

EMBO Young Investigator Programme (EMBO-YIP) 2023–present

German Neuroscience Society (GNS) 2010–present

Selected publications

- Ann Rose Bright, Yana Kotlyarenko, Florian Neuhaus, Diana Rodrigues, Chao Feng, **Christian** Peters, Ilaria Vitali, Elif Dönmez, Michael H. Myoga, Elena Dvoretskova, and **Christian Mayer** (2025). "NFIB influences progenitor competence in maturation of GABAergic neurons in mice". In: *bioRxiv*. DOI: 10.1101/2024.03.18.585524
- Igor Adameyko, Trygve Bakken, Aparna Bhaduri, Chintan Chhatbar, Mariella G Filbin, David Gate, Hannah Hochgerner, Chang Nam Kim, Jordan Krull, Gioele La Manno, Qingyun Li, Sten Linnarsson, Qin Ma, **Christian Mayer**, Vilas Menon, Patricia Nano, Marco Prinz, Steve Quake, Christopher A Walsh, Jin Yang, et al. (2024). "Applying single-cell and single-nucleus genomics to studies of cellular heterogeneity and cell fate transitions in the nervous system". In: *Nat Neurosci* 27.12, pp. 2278–2291. DOI: 10.1038/s41593-024-01827-9

- Elena Dvoretskova, May C Ho, Volker Kittke, Florian Neuhaus, Ilaria Vitali, Daniel D Lam, Irene Delgado, Chao Feng, Miguel Torres, Juliane Winkelmann, and **Christian Mayer** (2024). “Spatial enhancer activation influences inhibitory neuron identity during mouse embryonic development”. In: *Nat Neurosci*. DOI: 10.1038/s41593-024-01611-9
- Rachel C Bandler and **Christian Mayer** (2023). “Deciphering inhibitory neuron development: The paths to diversity”. In: *Curr Opin Neurobiol* 79, p. 102691. DOI: 10.1016/j.conb.2023.102691
- Rachel C Bandler, Ilaria Vitali, Ryan N Delgado, May C Ho, Elena Dvoretskova, Josue S Ibarra Molinas, Paul W Frazel, Maesoumeh Mohammadkhani, Robert Machold, Sophia Maedler, Shane A Liddelow, Tomasz J Nowakowski, Gord Fishell, and **Christian Mayer** (2022). “Single-cell delineation of lineage and genetic identity in the mouse brain”. In: *Nature* 601. DOI: 10.1038/s41586-021-04237-0
- **Christian Mayer**, Christoph Hafemeister, Rachel C Bandler, Robert Machold, Renata Batista Brito, Xavier Jaglin, Kathryn Allaway, Andrew Butler, Gord Fishell, and Rahul Satija (2018). “Developmental diversification of cortical inhibitory interneurons”. In: *Nature* 555. DOI: 10.1038/nature25999
- **Christian Mayer** and Gord Fishell (2018). “Developing neurons are innately inclined to learn on the job”. In: *Nature* 560. DOI: 10.1038/d41586-018-05737-2
- **Christian Mayer**, Rachel C Bandler, and Gord Fishell (2016). “Lineage Is a Poor Predictor of Interneuron Positioning within the Forebrain”. In: *Neuron* 92. DOI: 10.1016/j.neuron.2016.09.035
- **Christian Mayer**, Xavier H Jaglin, Lucy V Cobbs, Rachel C Bandler, Carmen Streicher, Constance L Cepko, Simon Hippenmeyer, and Gord Fishell (2015). “Clonally Related Forebrain Interneurons Disperse Broadly across Both Functional Areas and Structural Boundaries”. In: *Neuron* 87. DOI: 10.1016/j.neuron.2015.07.011
- **Christian Mayer** and Ulrich Boehm (2011). “Female reproductive maturation in the absence of kisspeptin/GPR54 signaling”. In: *Nat Neurosci* 14. DOI: 10.1038/nn.2818