

Christian Mayer

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PERSONAL INFORMATION

Name: Dr. Christian Mayer

Orcid ID: 0000-0003-3152-5574

Google Scholar: [Click here for full publication list](#)

Date of Birth: 22.02.1981

Website: mayerlab.net

Father of two

EDUCATION

Dr. rer. nat. <i>Faculty of Mathematics, Informatics, and Natural Sciences, University of Hamburg</i>	2011 Hamburg, Germany
Graduate Studies in Molecular Biology <i>ZMNH, University Medical Center Hamburg-Eppendorf</i>	2007–2009 Hamburg, Germany
Erasmus Exchange Program <i>University of Milan</i>	2004 Milan, Italy
Diplom in Biology <i>University of Konstanz</i>	2001–2006 Konstanz, Germany
Abitur <i>Gymnasium Münsingen (BW)</i>	1992–2000 Münsingen, Germany

CURRENT POSITIONS

EMBO Young Investigator <i>European Molecular Biology Organization</i>	2023–present
Max Planck Research Group Leader (Free-Floater Program) <i>MPI for Biological Intelligence (formerly Neurobiology)</i>	2018–present Munich, Germany
Faculty Member <i>Graduate School of Systemic Neurosciences</i>	2018–present Munich, Germany
Faculty Member <i>International Max Planck Research School</i>	2018–present Munich, Germany

PREVIOUS POSITIONS

Postdoctoral Researcher <i>Stanley Center for Psychiatric Research, Broad Institute of MIT and Harvard with Prof. Fishell</i>	2017–2018 Boston, USA
Guest Scientist <i>New York Genome Center with Prof. Satija</i>	2015–2018 New York City, USA
Postdoctoral Researcher <i>NYU Langone Medical Center, NYU Neuroscience Institute with Prof. Fishell</i>	2012–2017 New York City, USA
Ph.D. Program in Molecular Biology <i>Center for Molecular Neurobiology Hamburg with Prof. Boehm</i>	2007–2011 Hamburg, Germany
Zivildienst (Civilian Service) <i>Paraplegic Center, Universitäts- und Rehabilitationskliniken Ulm</i>	2000–2001 Ulm, Germany

FELLOWSHIPS AND AWARDS

The Simons Foundation <i>Pilot Award</i>	2025
The Nancy Lurie Marks Family Foundation <i>Award</i>	2025
EMBO Young Investigator Program	2023
ERC Starting Grant <i>803984</i>	2018
Max-Planck Research Group Leader <i>Free-Floater Program</i>	2017
EMBO Long-Term Fellowship <i>LTF 1295-2012</i>	2012
Gebhard Koch-Promotionspreis für Zellbiochemie und Neurobiologie <i>Universitätsklinikum Hamburg-Eppendorf</i>	2011

EDITORIAL ACTIVITIES

Co-editor <i>Current Opinion in Genetics and Development</i>	2025–present
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TEACHING ACTIVITIES

Seminar Instructor <i>Faculty of Biology, Ludwig Maximilian University of Munich</i>	2022–present Munich, Germany
Instructor <i>CAJAL Summer School (FENS and IBRO)</i>	2022 Bordeaux, France
Lecturer and Course Instructor <i>Graduate School of Systemic Neurosciences</i>	2018–present Munich, Germany
"PROFiL Basic Seminar" <i>Earned Certificate in Higher Education Teaching at Bavarian Universities (Areas A)</i>	2023

INSTITUTIONAL RESPONSIBILITIES

Commission Member <i>Animal Welfare Commission of the MPI for Biological Intelligence and MPI of Biochemistry</i>	2023–present
Co-organizer of the Keynote Lecture Series and the Emerging Scientist Series <i>MPI for Biological Intelligence</i>	2022–present Munich, Germany

REVIEWING ACTIVITIES (SINCE 2018)

I have served as a reviewer for a range of international research funding agencies and academic journals, reflecting my ongoing involvement in the scientific community and commitment to supporting research. Selected organizations and journals include:

- CellPress research journals
- European Research Council (ERC)
- French National Research Agency (ANR)
- German Research Foundation (DFG)
- MAVRI Program, Israel Science Foundation (ISF)
- Nature research journals
- Research Foundation Flanders (FWO)
- Swiss National Science Foundation (SNSF)

SELECTED PUBLICATIONS

- Ann Rose Bright, Yana Kotlyarenko, Florian Neuhaus, Diana Rodrigues, Chao Feng, **Christian Peters**, Ilaria Vitali, Elif Dönmez, Michael H Myoga, Elena Dvoretzkova, and **Christian Mayer** (2025). “Temporal control of progenitor competence shapes maturation in GABAergic neuron development in mice”. In: *Nat Neurosci*. doi: 10.1038/s41593-025-01999-y
- Jiafeng Zhou, Ilaria Vitali, Sergi Roig-Puiggros, Awais Javed, Iva Cantando, Matteo Puglisi, Paola Bezzi, Denis Jabaudon, **Christian Mayer**, and Riccardo Bocchi (2025). “Dual lineage origins contribute to neocortical astrocyte diversity”. In: *Nat Commun* 16.1. doi: 10.1038/s41467-025-61829-4
- 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 Dvoretzkova, 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
- Lucia Del-Valle-Anton, Salma Amin, Daniela Cimino, Florian Neuhaus, Elena Dvoretzkova, Virginia Fernández, Yigit K Babal, Cristina Garcia-Frigola, Anna Prieto-Colomina, Raquel Murcia-Ramón, Yuki Nomura, Adrián Cárdenas, Chao Feng, Juan Antonio Moreno-Bravo, Magdalena Götz, **Christian Mayer**, and Víctor Borrell (2024). “Multiple parallel cell lineages in the developing mammalian cerebral cortex”. In: *Sci Adv* 10.13, eadn9998. doi: 10.1126/sciadv.adn9998
- 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 Dvoretzkova, 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
- **Christian Mayer**, Maricedes Acosta-Martinez, Sharon L Dubois, Andrew Wolfe, Sally Radovick, Ulrich Boehm, and Jon E Levine (2010). “Timing and completion of puberty in female mice depend on estrogen receptor alpha-signaling in kisspeptin neurons”. In: *Proc Natl Acad Sci U S A* 107. doi: 10.1073/pnas.1012406108