



Juniorprofessor Cellular Metabolism

Technische Universität Braunschweig
BRICS - Braunschweig Integrated Centre of Systems Biology
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EDUCATION

- Ph.D.** **Biology, University of Luxembourg, Luxembourg Centre for Systems Biomedicine (LCSB), Luxembourg (2014)**
Thesis Topic: Stable isotope-assisted metabolomics to profile mammalian metabolism of inflammation and cancer.
- Diploma** **Biotechnology, University of Braunschweig, Germany (2009)**
Thesis Topic: *Simulation of fluid dynamic stress factors on CHO-cells in 2 l-bioreactor* (thesis at Novartis Biologics (Basel, Switzerland), Department for Cell & Process Development (CPD))

PROFESSIONAL APPOINTMENTS

- Since 2022 **Juniorprofessor for Cellular Metabolism**, TU Braunschweig, Germany
- Since 2022 **Head of the Cellular Metabolism in Infection Group**, Helmholtz Centre for Infection Research, Braunschweig
- Since 2022 Member of the Braunschweig integrated Centre for Systems Biology (BRICS), Braunschweig
- 2021 – 2022 **Researcher**, Salk Institute for Biological Studies, La Jolla, UCSD
- 2019 – 2022 **Assistant Project Scientist**, Department of Bioengineering, University of California, San Diego, CA, USA
- 2014 - 2019 **Postdoctoral Fellow**, Department of Bioengineering, University of California, San Diego, CA, USA DFG Postdoctoral Fellow, Mentor: Christian Metallo
- 2014 **Research Assistant**, University of Luxembourg, Luxembourg Centre for Systems Biomedicine, Esch-Belval, Luxembourg
- 2010 – 2014 **Junior Researcher (Ph.D. Candidate)**, University of Luxembourg, Luxembourg Centre for Systems Biomedicine, Esch-Belval, Luxembourg
Advisor: Karsten Hiller
- 2010 - 2010 **Visiting Scientist**, Institute for Systems Biology, Seattle, USA
Advisor: Leroy Hood
- 2009 - 2010 **Staff Bioprocess Engineer**, Novartis Biologics, Department for Cell & Process Development, Basel, Switzerland

FELLOWSHIPS AND AWARDS

- 2021 Principal Investigator, NIH R50 Research Award, "Identifying and exploiting metabolic vulnerabilities in cancer using mass spectrometry and tracing approaches", R50CA252146
- 2016-2018 German Research Foundation (DFG) Postdoctoral Fellowship: "Systems biology approaches to study mammalian mitochondrial metabolism"