

## Associate Professor Dr. Brigitte Städler

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### WORKING EXPERIENCE

iNANO - The Interdisciplinary Nanoscience Center (iNANO), Aarhus University, Denmark  
Associate Prof, 01/2015 – present (Head of ‘Laboratory for Cell Mimicry’)  
Assistant Professor, 01/2011 – 12/2014 (Head of ‘Laboratory for Cell Mimicry’)  
Post doc, 12/2009 – 11/2010

Department of Chemical and Biomolecular Engineering, The University of Melbourne, Australia  
Research fellow, 08/2008 – 11/2009  
Swiss National Foundation Fellowship, 08/2007 – 07/2008

Institute for Biomedical Engineering, ETH Zürich, Switzerland  
Post doc, 05/2007 – 08/2007

### EDUCATION

- Ph.D. Degree of Science, May 2007, ETH Zürich, Switzerland  
- Diploma in Material Engineering, October 2004, ETH Zürich, Switzerland

### RESEARCH PROJECTS (current)

*Hepatocytes-Like Microreactors for Liver Tissue Engineering*, ERC-Consolidator Grant (PI, 2019 - 2024) **15 MioDKK (2 MioEuro)**

*Delivery of Acid-Resistant Phenylalanine Ammonia-Lyase for the Oral Treatment of Phenylketonuria*, Danmarks Frie Forskningsfond, (PI, 2019 - 2022) **5 MioDKK**

*BFP - The Beerfinger Printing Project*, Innovation Fund Denmark (in collaboration with Carlsberg, Microsoft and DTU, co-PI, 2017 - 2020), **28 MioDKK**

*Synthetic Nanobots to overcome physical barriers to enhance therapeutic efficacy*, Carlsberg Foundation – Distinguished Associate Professor Fellowship (PI), **3828960 DKK**

*DISI - Delivery of Intestinal Satiety inducing Ingredients*, Innovation Foundation Denmark (in collaboration with DuPont, co-PI, 2016 - 2019), **15 MioDKK**

*Artificial Mitochondria: From the Fundamentals to Intracellular Activity*, Aarhus University Research Foundation, (Lektor Starting Grant, PI, 2015 - 2019), **2926129 DKK**

**PUBLICATIONS** (<2200 citations, h-factor 27, Peer-reviewed journals: 77, Book chapters: 5)

### RECENT INVITED CONFERENCE PRESENTATIONS AND SEMINARS

2018 - *Cell Mimicry Based Approaches in Drug Delivery*, Biointerfaces International 2018, Zurich, Switzerland (invited Speaker)  
- *Polymers as Building Blocks in Cell Mimicry*, MARCO18, Cairns, Australia (invited Speaker)  
- *Polymeric Nanobot*, Symposium on “Nanoscale detection, measurement, and actuation of chemical and biological systems”, Ringberg Castle, Germany (invited Speaker)

### OTHER PROFESSIONAL ACTIVITIES

- Guest Editor:  
- *Biomicrofluidics*, Special Section on Microfluidics in Drug Delivery (2015)  
- *Adv. Drug Del. Rev.*, Theme Issue on Therapeutic Enzymes (2017)