

CV – JOHANNES C. BRENDEL

CONTACT UND PERSONAL DETAILS

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Nationality: German

Family status: married, two children (2)



EDUCATION AND PROFESSIONAL EXPERIENCE

Since 01/2024 **Full Professor**
Heisenberg Professorship of the DFG
Head of Department of Macromolecular Chemistry I
University of Bayreuth

09/2017 – 12/2023 **Independent Research Group leader**
Emmy-Noether-Programme of the DFG
Friedrich Schiller University (FSU) Jena

04/2016 – 09/2017 **PostDoc, Return fellowship of the DFG**
Friedrich Schiller University (FSU) Jena

04/2014 – 03/2016 **PostDoc, Research Fellowship of the DFG**
University of Warwick/Monash Institute of Pharmaceutical Sciences
(Melbourne)
Group of Prof. Dr Sébastien Perrier

10/2013 – 12/2013 **PostDoc**
University of Bayreuth
Group of Prof. Dr Mukundan Thelakkat

09/2011 – 11/2011 **Research visit**
University of Massachusetts, Amherst
Group of Prof. Dr Thomas P. Russell

05/2009 – 09/2013 **PhD thesis**
University of Bayreuth
Group of Prof. Dr Mukundan Thelakkat

12/2007 – 11/2012 **Elite study programme Macromolecular Science**
University of Bayreuth

10/2004 – 04/2009 **Study of Polymer und Colloidal Chemistry**
University of Bayreuth
Diploma with Distinction

AWARDS AND FELLOWSHIPS

12/2023	Call for full professor, University of Hamburg, Germany (declined)
09/2023	Call for full professor, University of Bayreuth, Germany (accepted)
11/2023	Call for full professor, University of Wuppertal, Germany (declined)
03/2023	Heisenberg Programme of the German Science Foundation (DFG)
12/2022	Research award of the Otto Röhm Memorial Foundation
07/2020	Dr Hermann Schnell Scholarship of the German Chemical Society
04/2017	Emmy Noether Programme of the German Science Foundation (DFG)
04/2014	Research fellowship of the German Science Foundation (DFG)
06/2014	Otto Warburg award for the best PhD thesis in Chemistry at the University of Bayreuth
11/2009	Doctoral scholarship from the Bavarian State (BayEFG)
12/2007	Elite study programme Macromolecular Science (Graduation with distinction)

SUPERVISION AND MENTORSHIP

Main supervisor for: 8 Phd theses
 5 Master theses
 5 Bachelor theses

Mentoring of further 8 PhD students and 8 master students during their master theses.

PUBLICATIONS – KEY FIGURES

81 peer reviewed publications, 1 patent
32 publications as corresponding author

Total number of citations > 2000, h-index: 25

ACADEMIC INTERESTS AND ACTIVITIES

Since 2022	Member of the International Advisory Board of Macromolecular Chemistry and Physics
2019	Member of the electoral board of the Friedrich Schiller University Jena
2018	Member of the appointment committee, professorship (W1) for Inorganic Chemistry of Catalysis, Friedrich Schiller University Jena
Memberships:	German Chemical Society (GDCh), Division of Macromolecular Chemistry, Jena Center for Soft Matter (JCSM), German Association of University Professors and Lecturers (DHV), Alumni society in Bayreuth (CSG e.V.)
External reviewer for:	Czech Science Foundation (GAĀR), Dutch Research Council (NWO), U.S. Department of Energy, Irish Research Council (IRC)
Reviewing activities for:	<i>Nat. Commun.</i> , <i>Angew. Chem. Int. Ed.</i> , <i>ACS Nano</i> , <i>Biomacromolecules</i> , <i>Polym. Chem.</i> , <i>J. Am. Chem. Soc.</i> , <i>J. Colloid Interface Sci.</i> , <i>Macromolecules</i> , <i>Nanoscale</i> , <i>Macromol. Rapid Commun.</i> , etc.

FUNDING

- 2023 Heisenberg Programme of the German Research Foundation (DFG)
Titel: Nanostructuring of reactive polymers - From functional drug carriers to hierarchically structured, life-like systems
Principal investigator
- 2023 Exploration Grant of the Boehringer Ingelheim Foundation
Titel: Injectable supramolecular polymer fiber networks as artificial cell scaffold
Principal investigator
- 2022 PROCOPE – Hubert Curien programme for German-French bilateral exchange
PIs: Prof. Dr Sylvain Catrouillet, Dr Johannes C. Brendel
Titel: Polymer based supramolecular platforms for gene delivery and cell scaffolds
Principal investigator
- 2021 Project A05 within the Collaborative Research Center CRC 1278 “PolyTarget”, phase II
PIs: Prof. Dr Andreas Stallmach, Dr Johannes C. Brendel
Titel: Targetable nanoparticles for efficient translocation across gastrointestinal barriers
Principal investigator
- 2021 Infrastructure fund by the State of Thuringia (*Thüringer Aufbaubank*, TAB)
Title: Simultaneous small and wide angle X-Ray scattering (SAXS/WAXS) on nanoscale polymer and hybrid materials
Co-applicant
- 2020 Infrastructure fund by the State of Thuringia (*Thüringer Aufbaubank*, TAB)
Title: Flow field fractionation and chromatography with multidetection
Co-applicant
- 2019 Infrastructure fund by the State of Thuringia (*Thüringer Aufbaubank*, TAB)
Title: Flow cytometry – Characterization of particles, cells, and material-cell interactions
Co-applicant
- 2019 Major Research Instrumentation, Art. 91b of the DFG
Title: Automated High Content Microscope
Co-applicant
- 2018 Infrastructure fund by the State of Thuringia (*Thüringer Aufbaubank*, TAB)
Title: Analytical ultracentrifugation – Characterization of pharmapolymers and nanoparticles in solutions
Co-applicant
- 2018 Research and development project: BASF SE – FSU Jena
Topic: Polymerisation and characterization of novel vinyl monomers
Principal investigator
- 2017 Emmy Noether Group of the German Research Foundation (DFG)
Titel: Supramolecular Polymer Brushes as Drug Carrier Systems
Principal investigator
- 2017 Project A05 within the Collaborative Research Center CRC 1278 “PolyTarget”, phase I
PIs: Prof. Dr Andreas Stallmach, Dr Johannes C. Brendel
Titel: Targetable nanoparticles for efficient translocation across gastrointestinal barriers
Principal investigator
- 2017 Support grant of the Fonds of the Chemical Industry Germany (FCI)
Principal investigator
- 2016 Return fellowship of the German Research Foundation (DFG)
- 2014 Research fellowship of the German Research Foundation (DFG)
Titel: Self-Assembly of Polymer-Cyclic Peptide Conjugates for Multifunctional Drug Carrier Systems