

CHRISTOPH ALLOLIO

PERSONAL INFORMATION

born in Germany (Köln), August 1, 1983

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phone +420 (0) 22191 3409 residence Prague, Czech Republic

EDUCATION

Dr. rer. nat. Freie Universität Berlin
Martin-Luther Universität Halle-Wittenberg
10/2010-4/2014 Grade: *summa cum laude*, Thesis : AB INITIO MOLECULAR DYNAMICS OF HYDROGEN BONDED SYSTEMS
Advisor: Prof. Daniel SEBASTIANI · chair of *theoretical chemistry*.

Dipl. Chem. (eq. M. Sc.) Technische Universität Dresden
10/2007-03/2009 Final grade: 1.3 (A) · Thesis: CHELATED BISCARBENE COMPLEXES AS CATALYSTS OF THE HECK-REACTION: MECHANISTIC STUDY AND SYNTHESIS Thesis grade: 1.2 (A) · Advisor: Prof. Thomas STRASSNER · chair of *physical organic chemistry*

Diplôme d'Ingénieur Ecole Européenne de Chimie, Polymères & Matériaux, Strasbourg
09/2005-10/2007 Grade: 15.89/20 (A) · Specialized in *organic chemistry*, ranking speciality: 3rd of 48, final year: 6th of 83. Degree obtained as part of a double-diploma program.

Vordiplom Philipps Universität, Marburg
10/2003-09/2005 Undergraduate studies in chemistry.

WORK EXPERIENCE

Group Leader CHARLES UNIVERSITY
01/2020 - now Research: Lipid Membrane Remodeling with Biomedical Applications. Independent research position funded by PRIMUS grant. Teaching planned for the winter semester

Postdoc UNI REGENSBURG
07/2019- 12/2019 Advisor: Prof. DOMINIK HORINEK. Teaching: *ab initio molecular dynamics*, Proposal writing (Emmy Noether invited on 28.11.2019)

Joint Postdoc HEBREW UNIVERSITY JERUSALEM
FREIE UNIVERSITÄT BERLIN
08/2016- 05/2019 Research: Elastic properties of lipid membranes. Advisor: Prof. DANIEL HARRIES. Between Aug. 2016-Feb. 2017 joint postdoc with Prof. ROLAND NETZ at FU Berlin. Research: proton adsorption and transfer dynamics at hydrophobic interfaces. Financed by: Minerva foundation

Postdoc UNIVERSITÄT REGENSBURG
05/2016-07/2016 Research: Theoretical single molecule spectroscopy of conjugated polymers. Advisor: Prof. JOHN LUPTON in collaboration with Prof. DOMINIK HORINEK.

Joint Postdoc ACADEMY OF SCIENCES OF THE CZECH REPUBLIC - IOCB, PRAGUE/ UNI REGENSBURG
07/2014-04/2016 Research: Cell penetrating peptides, Ion membrane interactions Advisor: Prof. PAVEL JUNGWIRTH. From Nov. 2014 joint postdoc with Prof. DOMINIK HORINEK at Uni Regensburg. Financed by: DAAD P.R.I.M.E. fellowship

Research Assistant FU BERLIN/ MLU HALLE-WITTENBERG
09/2010–05/2014 Research: *Ab-initio* molecular dynamics of solvated molecules, virtual spectroscopy Advisor: Prof. DANIEL SEBASTIANI.

Research Assistant TU DRESDEN
03/2009–09/2010 Research: Theoretical investigation of reaction mechanisms Advisor: Prof. THOMAS STRASSNER

VISITING SCHOLAR AND INTERNSHIPS

Visiting Scholar HEBREW UNIVERSITY — Jerusalem, IS
05/2016, 08/2015 Visitor at the Fritz Haber research center with Prof. DANIEL HARRIES

Research Chemist GLAXOSMITHKLINE PLC — Harlow, UK
07/2007–09/2007 Internship in the analgesics department. Synthesis of candidate compounds.

ACADEMIC OUTREACH AND AWARDS

Scholarships and Prizes

- 2019 · PRIMUS grant for a junior research group (Prague, Czech Republic)
- 2018 · Teva Faculty Day poster prize
- 2016 · Minerva Postdoctoral Fellowship
- 2014 · DAAD PRIME Postdoctoral Fellowship
- 2012 · Heraeus travel grant
- 2011 · DAAD Rise internship (as host)
- 2008 · Bourse Villes Jumelles Strasbourg
- 2005 · Double Diploma with scholarship of DFH-UFA

Talks

- 2020 · EMS School: Modelling of Biomaterials Kácov, IOCB Prague
- 2018 · ICS (flash talk), Tel Aviv; Levi 4, Nové Hrady; ECIS, Ljubljana
- 2017 · HUJI Nano, Dead Sea; Uni Regensburg; Fritz Haber Seminar, Jerusalem
- 2016 · European Membrane Workshop, Dresden; FU Berlin
- 2015 · Levi Meeting, Nové Hrady; Invited Talk, Uni Regensburg
- 2014 · IOCB Prague, CESTC Nagybörzsöny
- 2013 · Bunsentagung, IOCB Prague
- 2012 · CECAM Photochemistry Workshop Lyon

Posters

2009-2020 · DPG 2011-14, CPMD 2011, STC 2012, Bunsentagung 2012, ISTCP 8, CPMD 2013, STC 2013, EBSA 2015, Zsigmondy-Kolloquium 2016, STC 2016-17, HUJI NANO 2017-18, Teva Faculty Day 2018 (Prize), ICS 83, Helsinki Membrane Workshop 2018, Biophysical Society Meeting 2019

Journal Referee

Journal of Physical Chemistry, Journal of the American Chemical Society, Journal of Chemical Physics, PLoS Computational Biology, Journal of Organometallic Chemistry (guest)

Memberships

DPG, GDCh, Biophysical Society, ECIS, Engineers without borders

EXPERIENCE AND SKILLS

Programming Languages

Advanced: C++, C, PYTHON, PHP - Basic: JAVA, PERL

IT and Software Skills

Gromacs, CP2K, CPMD, Gaussian, Orca, OpenMM, Plumed, L^AT_EX, Linux shells, Office, Windows API, Qt, Linux administration, etc.

Laboratory Languages

(Metal-)organic synthesis (Schlenk), basic biophysical and analytical chemistry

GERMAN · native language
ENGLISH · fluent (speaking, reading, writing)
FRENCH · intermediate (speaking, reading, writing)
CZECH, KOREAN · basic (simple words and phrases only)

Family Status

Married, two children (*2015, *2018)