

CURRICULUM VITAE

Name: **Christoph Alexander Gerhard Weber**
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EDUCATION

April 2016 – present Postdoc at Harvard John A. Paulson School of Engineering and Applied Science in the group of Prof. L. Mahadevan
Aug 2013 – Feb 2016 Postdoc at the Max Planck Institute for the Physics of Complex Systems, Dresden, in the group *Biological Physics* of Prof. Frank Jülicher and the group *Collective motion of cells* of Dr. Vasily Zaburdaev
Oct 2009 – Jul 2013 Ph.D. in physics (summa cum laude) on *Modeling Propelled Particle Systems in 2d* at the Ludwig Maximilian University, Munich
Supervisor: Prof. Erwin Frey
Mar 2009 – Oct 2009 Project work in the group of Prof. Erwin Frey and collaboration with the group of Prof. Joachim Rädler
Dec 2008 Certificate Biophysics, Ludwig Maximilian University, Munich
Oct 2005 – Dec 2008 Diploma in Physics with honor (1.0) at the Ludwig Maximilian University, Munich
Dec 2007 – Dec 2008 Diploma thesis on *Modeling of Free-Flow Electrophoresis* in the framework of a collaboration with *Becton Dickinson*
Oct 2003 – Oct 2005 Intermediate Diploma in Physics (1.1) at the Ludwig Maximilian University, Munich
Sep 1996 – Jun 2003 Abitur at Gymnasium Kirchheim, Munich

CONFERENCE TALKS & RESEARCH STAYS

- Dec 2017 Invited talk at EMN Meeting On Droplets, Orlando, on
Positioning of droplets in concentration gradients
- May 2017 KAVLI seminar at Harvard University on
Instabilities in Biphase Active Matter
- Mar 2017 Contributed talk at the DPG (German Physical Society)
Mechanical Instabilities in Active Systems
- Jan 2017 Invited talk at the Technical University Berlin in
the group of Prof. Holger Stark,
Phase separation in Concentration Gradients
- Aug 2016 – Sept 2016 Research program at the KITP, Santa Barbara, on
From Genes to Growth and Form
- Apr 2016 Invited talk at Harvard University on
P granules positioning in the C. elegans embryo
- Mar 2016 Contributed talk at the DPG (German Physical Society)
Ripening dynamics of drops in a regulator gradient
- May 2015 Invited talk at the CECAM workshop, University College, Dublin,
On Colony Formation of pili-driven Bacteria
- Mar 2015 Invited talk at the LABEX workshop, Institute Curie, Paris,
From microscopic interactions of cells to bacteria colonies
- Mar 2015 Two contributed talks at the APS meeting in San Antonio,
*Does a weak protein gradient suffice to segregate
P granules at one side?* and
Kinetic Theory for Formation of Bacterial Colonies
- May 2014 – Jun 2014 Research program at the KITP, Santa Barbara, on
Active Matter: Cytoskeleton, Cells, Tissues and Flocks
- Apr 2014 Invited talk at the MitoSys meeting in Vienna,
On demixing in C.elegans
- Mar 2014 Contributed talk at the APS meeting in Denver,
Phase-separation in C.elegans: Classical oil-water phase separation?
- Nov 2012 Research stay at the Argonne National Laboratory, Chicago,
in the group of Prof. Igor Aronson
- Jul 2012 Research stay at the MPIPKS Dresden in the framework of
the Advanced Study Group: *Statistical Physics of collective motion*
- May 2012 Invited talk at the *Particules actives* workshop, ENS de Lyon,
Modeling vibrated polar disks
- Feb 2012 Invited talk at the Humboldt-University Berlin in
the group of Prof. Lutz Schimansky-Geier, *Soft active particles*
- Aug 2011 – Sep 2011 Research stay at the MPIPKS Dresden (Dynact11)
- May 2011 – Jun 2011 Research program at the KITP, Santa Barbara, on
Biological Frontiers of Polymer and Soft Matter Physics

SCHOLARSHIPS & AWARDS

- Apr 2016 – Apr 2018 Research Fellowship from the German Research Foundation
- Nov 2012 Center of Nano-Science Publication Award
- Oct 2012 Nano-Initiative Munich (NIM) travel grant for Argonne research stay
- Nov 2011 Center of Nano-Science Publication Award
- Nov 2010 Center of Nano-Science Publication Award
- Oct 2009 – Oct 2012 Scholarship from the IDK-NBT (“Bayerisches Elitenetzwerk”)
with financial support between Oct 2009 – Oct 2010