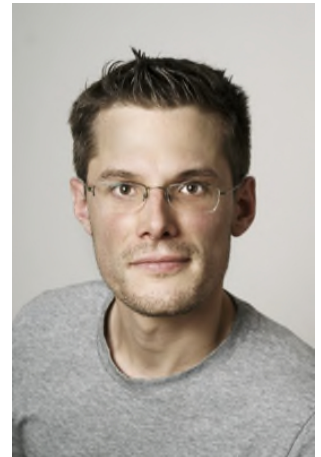


# CURRICULUM VITAE

Name: **Christoph Alexander Gerhard Weber**  
Date/Place of Birth: 24.07.1983 / Munich  
Address: Pestitzer Str. 16,  
01187 Dresden  
Phone: +49 0176 23382909  
Email: Christoph.A.Weber@physik.lmu.de,  
weber@pks.mpg.de



## EDUCATION

Aug 2013 – Postdoc in the group of Prof. Jülicher (MPIPKS Dresden)  
Oct 2009 – Jul 2013 Ph.D. in physics (summa cum laude) about  
*Modeling Propelled Particle Systems in 2d*  
at the Ludwig-Maximilian-University  
Supervisor: Prof. Frey  
Mar 2009 – Oct 2009 Project work in the group of Prof. Frey  
and collaboration with the group of Prof. Rädler  
Dec 2008 Certificate Focus Biophysics  
Oct 2005 – Dec 2008 Diploma in Physics with honor (1.0)  
at the Ludwig-Maximilian-University  
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 Pre-Diploma in Physics (1.1)  
at the Ludwig-Maximilian-University  
Sept 1996 – Jun 2003 Abitur at Gymnasium Kirchheim

## INVITED TALKS & RESEARCH STAYS

Nov 2012 Research stay in the group of Prof. Igor Aronson  
at the Argonne National Laboratory, Chicago  
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 *Particules actives*, ENS de Lyon  
Feb 2012 Invited talk at the Humboldt-University Berlin in  
the group of Lutz Schimansky-Geier  
Aug 2011 – Sep 2011 Research stay at the MPIPKS Dresden, in the framework of Dynact11  
May 2011 – June 2011 KITP research program  
*Biological Frontiers of Polymer and Soft Matter Physics*, Santa Barbara

## TEACHING

May 2012	– Jun 2012	Substituting E. Frey for the lecture part <i>kinetic theory</i> of the <i>Advanced Statistical Mechanics</i> course
summer term 2012		Organization of tutoring classes of the the <i>Advanced Statistical Mechanics</i> (Prof. Frey)
summer term 2011		Organization and design of a Reading Course on <i>Theoretical Biological Hydrodynamics</i>
Dec 2010	– Apr 2011	Organization and design of a seminar on <i>Hydrodynamics</i>
summer term 2010		Organization and lecturing of tutoring classes of the <i>Non-linear Dynamics &amp; Pattern formation</i> (Prof. Frey)
winter term 2009/10		Tutoring classes of the <i>Statistical Physics</i> (Prof. Frey)
summer term 2009		Tutoring classes of the <i>Introduction to theoretical Biophysics</i> (Prof. Gerland)
winter term 2008/09		Tutoring classes of the <i>Statistical Physics</i> (Prof. Frey)
winter term 2007/08		Tutoring classes of the <i>Mathematics 3</i> (Prof. Winkler)
summer term 2007		Tutoring classes of the <i>Electrodynamics</i> (Prof. Frey)
winter term 2006/07		Tutoring classes of the <i>Mathematics 1</i> (Prof. Winkler)
summer term 2006		Tutoring classes of the <i>Analysis 1</i> (Prof. Donder)
winter term 2005/06		Tutoring classes of the <i>Linear Algebra</i> (Prof. Dürr)

## SUPERVISION

Nov 2011	– Dec 2012	Master-student Simon Weber working on <i>Phase Separation of Two Species with different Activity</i>
Sept 2011	– Sept 2012	Master-student Timo Hanke working on <i>Understanding Collective Dynamics of Soft Active Colloids through Binary Scattering</i>
Mai 2011	– July 2012	Bachelor-student Benedikt Hoock working on <i>Onset of horizontal motion in simplified models for vibrated polar disks</i>
Sept 2010	– Oct 2011	Master-student Christopher Bock working on <i>Active matter at high densities</i>
Jun 2010	– Aug 2010	Bachelor-student Timo Hanke working on <i>Ordering by repulsive interactions</i>
Apr 2010	– Jun 2010	Bachelor-student Michael Hartmann working on <i>Hydrodynamic scattering of driven particles on a wall</i>
Mar 2009	– May 2009	Bachelor-student Alej Zielinski working on <i>Modeling of Chemical cell trapping in controlled alternating gradient fields</i>

## SCHOLARSHIPS & AWARDS

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

## **NON-ACADEMIC EDUCATION**

2003 – 2004 NLP Practitioner in accordance with GANLP/DVNLP guidelines  
2005 – 2006 Assistance for NLP Practitioner

## **LANGUAGE SKILLS**

German (native), English (fluent), French (basics).

## **COMPUTER SKILLS**

C/C++, Bash/AWK, Latex, Mathematica, Comsol.