

Charlotte Strandkvist

MRC Laboratory for Molecular Cell Biology
University College London
Gower Street
London
WC1E 6BT, UK

Phone: +44 (0)20 7679 7806
Email: charlotte.strandkvist@cantab.net
Homepage: <http://strandkvist.net>

Education

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| June 2013 -
December 2013 | Harvard Department of Systems Biology,
Harvard University, USA
Visiting academic appointment, hosted by Prof. Johan Paulsson |
| 2011 - 2014 | MRC Laboratory for Molecular Cell Biology,
University College London, UK
CoMPLEX Ph.D. Studentship, supervised by Prof. Buzz Baum |
| 2010 - 2011 | CoMPLEX,
University College London, UK
Master of Research (MRes). Graduated with a distinction. |
| 2007 - 2010 | Pembroke College, University of Cambridge, UK
B.A. & M.Sci. Natural Sciences (Physics).
Graduated with 1st Class Honours. |
| 2005 - 2007 | University of Southern Denmark
B.S. Natural Sciences (Biophysics).
Graduated in 2008 with a GPA of 11.6. |
| 2001 - 2004 | Svendborg Tekniske Gymnasium, Svendborg
Graduated with a GPA of 11.2. Recipient of 'Svendborg Kommunes legat'
for highest GPA in the county. |

Selected Awards & Bursaries

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| 2013 | Bogue Research Fellowships, University College London |
| 2010 | Pembroke College Foundation Scholarship, University of Cambridge |
| 2008 | Travel award and dinner speech at the European Contest for Young Scientists 20th Anniversary dinner |
| 2007 | First prize in the Danish Contest for Young Scientists
Travel award to attend the Beijing Youth Science Creation Competition |
| 2007-2010 | Full tuition fee at Cambridge covered by scholarships, including from Oticon Fonden, University of Southern Denmark, Lundegaards Stiftelse, Etatsraad Nicolai Petersen og Hustru legat, Garvermester C.V. Gerickes legat, Friedrich Wilhelm Frank og Hustru Angelina Frank Mindelegat, and others. |

- 2004 Travel award to attend the Stockholm International Youth Science Seminar, which included attending the Nobel Prize lectures and ceremony.
- 2004 **First prize in the EU Contest for Young Scientists**
- 2004 First prize in the Danish Contest for Young Scientists
Travel award to represent Denmark in the EU Contest for Young Scientists

Employment

- 2012 - 2013 Employed by University College London to mark papers and invigilate exams.
- 2006 - 2007 Employed by the University of Southern Denmark to teach the example classes and labs for the first year physics courses; amounting to 137 hours of teaching.
- 2005 - 2007 Employed by the University of Southern Denmark and ad hoc by high schools and science festivals to carry out physics outreach activities as part of the Physics Show.

Other

- 2013-2014 Co-organiser of the London Tissue Modelling Club
- 2013 Founding organiser of the *id*² Conference series (now in its second year) for 100+ students from doctoral training centres in the UK and abroad.
- 2012, 2013, 2014 Jury member for the Danish Contest for Young Scientists.
- 2009 - 2010 Student representative on the Staff-Student Consultative Committee at Cambridge.
- 2007 - 2008 Associate editor for the Cambridge division of The Triple Helix, a quarterly journal on science in society.

Publications

A Schelling model of cell segregation based only on local information

Alexander V. Nielsen, Annika L. Gade, Jeppe S. Juul, and **Charlotte Strandkvist**
in review, Phys. Rev. E

A kinetic mechanism for cell sorting based on local variations in cell motility

Charlotte Strandkvist, Jeppe Juul, Buzz Baum, Alexandre J Kabla, and Tom Duke
in review, Journal of the Royal Society Interface Focus

Asymmetric Segregation of Damaged Cellular Components in Spatially Structured Multicellular Organisms

Charlotte Strandkvist, Jeppe S. Juul, and Kristian M. Bendtsen
PloS one 9(2), February 2014

The competition between gravity and flow focusing in two-layered porous media

Herbert E. Huppert, Jerome A. Neufeld, and **Charlotte Strandkvist**
Journal of Fluid Mechanics, 720, April 2013