

CURRICULUM VITAE
JULIA MARY YEOMANS

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Nationality: British. **Family:** Married, 4 daughters

Qualifications:

Diploma, Teaching and Learning in Higher Education (Oxford University) 2000.

D. Phil.Thesis, *Critical Phenomena of Disordered Systems* (Oxford University) 1979.

B.A. Physics, First class honours (Oxford University), 1976.

Positions held:

2002 – Professor of Physics, University of Oxford

1998 – 02 Reader in Physics, University of Oxford

1995 – 98 University Lecturer, University of Oxford

1983 – Pauline Chan Fellow and Tutor in Physics, St. Hilda's College, Oxford Lecturer,

1981 – 83 Department of Physics, Southampton University

1979 – 81 Postdoctoral Research Associate, Cornell University, USA

Distinctions:

Elected Fellow of the Royal Society, 2013

3rd EPJE-Pierre de Gennes Prize lecture, 2013

ERC Advanced Grant, 2012-17

University of Oxford Teaching Award, 2008

Inaugural CMMS Distinguished Lecturer, University of Pittsburgh, 2007

EPSRC Advanced Fellowship, 1990-95

Scott Prize, Oxford University, 1976

Visiting positions:

2014 Kavli Institute for Theoretical Physics, Santa Barabra, USA

2013 Visiting Fellowship, Newton Institute, Cambridge

2011 Visiting Professor, Enhanced Education Programme, University of Kyushu, Japan

1995 Visiting Professor, University of Padua, Italy

1992 Visiting Professor, Catholic University of Leuven

Recent advisory appointments:

2013-- CECAM, Scientific Advisory Committee

2013 University of Padua, Evaluation Committee

2012-- Nordita Program Committee

2012 – Nat. Sci. & Eng. Research Council of Canada (NSERC) Physics Evaluation Group

2012 Board of Electors, Professorship of Materials Science, Cambridge

2012 Audit Committee, Ecole Polytechnique Federale de Lausanne

2011 Chair, Panel V, University of Tampere Research Assessment Exercise

2008- ERC Starting Grants Evaluation Panel

2008 Academy of Finland, Computational Science Research Programme Panel

2008 Nordita, Professorial Appointment, International Expert

2007 Helsinki University, Professorial Appointment, International Expert

Invited/plenary lectures at major international meetings:

July 2014	Plenary lecture, Liquids 2014, Lisbon.
Feb 2014	Keynote lecture, Dutch National Meeting for chemistry of physics and materials.
Sept 2013	Plenary lecture, 3 rd International Soft Matter Conference, Rome.
Aug 2013	Gordon Conference, Soft Condensed Matter, New England.
July 2013	Statphys 25, Seoul, Republic of Korea.
Nov 2012	Materials Research Society Fall Meeting, Boston.
Jan 2011	Plenary lecture, XL Winter Meeting on Statistical Physics, Mexico.
Sept 2010	Plenary lecture, 23 rd General Conference EPS Condensed Matter Division, Poland.
July 2010	23 rd International Liquid Crystal Conference, Poland.
June 2009	Emergence in Chemical Systems, Alaska.
June 2009	Gordon Conference, Liquid Crystals, New England.
Dec 2008	100 th Statistical Mechanics Conference, Rutgers, USA.
Sept 2007	Conference on Computational Physics, Brussels.
Sept 2006	ESF Research Conference, Complex Fluid Interfaces, Austria.
Apr 2006	Multiscale Modeling: Electrons, Molecules and (Bio)materials, Royal Netherlands Academy of Arts and Sciences, Amsterdam.
Sept 2005	Fundamental Problems in Statistical Physics XI, Belgium.
July 2004	Statphys 22, Bangalore, India.
Sept 2001	Conference on Computational Physics, Germany.
Aug 2001	Gordon Conference, Liquids, New England.
Mar 1999	Division of Computational Physics, Centennial APS Meeting, Atlanta.
Aug 1996	Gordon Conference, Modelling Flow in Permeable Media, New England.

Other recent invited lectures at international meetings:

Mar 2014	555 th Heraeus Seminar, Bonn
Jan 2014	Journées de Physique Statistique, Paris
Dec 2013	Materials Research Society Fall Meeting, Boston
Nov 2013	TRANSCEND, Guildford
Sept 2013	Diffuse Interface Models, DIMO 2013, Italy.
June 2013	Liquid crystals, Cambridge.
Mar 2013	Geilo school, Soft Matter Confinement, Norway.
Feb 2013	Wetting and Capillarity in Complex Systems, Dresden.
Oct 2012	Fisher Symposium, Maryland.
Oct 2012	Plenary, 1 st International Conference on Numerical Physics, Oran, Algeria.
Oct 2012	Complex Liquids at Structured Surfaces, Lisbon.
Oct 2012	Fluctuations in Small Complex Systems, Venice.
Sept 2012	Nonequilibrium Collective Dynamics, Potsdam.
Mar 2012	8 th Zsigmondy Colloquium, Darmstadt.
Feb 2012	Phase Transition Dynamics in Soft Matter, Kyoto.
Dec 2011	Diamond Jubilee Physics Conference, IIT Karagpur
Nov 2011	Dynamics of Phase Transformation, Bangalore.
Sept 2011	CECAM Workshop: Modelling Wetting Phenomena, Lausanne.
Sept 2011	Ferroelectric Liquid Crystals-11, Niagara Falls, Canada.
Aug 2011	6 th Brazilian Meeting on Simulational Physics, Pantanal.
July 2011	Plenary talk: CCP5 Summer School, Belfast.
June 2011	Colloquium Biophysique et Dynamique, Cergy-Pontoise.
May 2011	Materials Simulation Days, Mainz.
Apr 2011	25 th British Liquid Crystal Society Annual Conference, Nottingham.
Mar 2011	MD-Net Annual Workshop, London.
Feb 2011	Multiscale Fluid Dynamics, Lorentz Centre, Leiden.

Nov 2010 Multiflow 2010, Brussels.
 Oct 2010 CeNS Colloquium, TU Munich.
 Oct 2010 Complex Driven Systems, Virginia.
 July 2010 DSFD 2010, Rome.
 June 2010 Summer School: Complex Interfacial Fluid Flows, Madrid.
 Apr 2010 Faraday Discussion, Wetting Dynamics, Virginia.
 May 2009 Driven Microfluidic Systems, Dublin.
 May 2009 Sommerfeld theory colloquium, University of Munich.
 Apr 2009 DNA Topology, San Francisco.
 Mar 2009 MESOSOFT, Julich, Germany.

36 invited lectures in the years 2003 – 2008

Recent Seminars & Colloquia:

2014: Royal Holloway, Open University, Institut Curie.
 2013: Wuhan, China; MIT colloquium; colloquium, University of Surrey; University of Coventry, University of Liverpool colloquium.
 2012: Amsterdam; Birmingham; Bristol; Durham; Imperial College; University of Tokyo.

Recent major grants (as PI or co-PI):

2014-16 EMBO Fellowship, 2 year PDRA (Tyler Shendruk)
 2012-17 ERC Advanced Grant, €1.5M
 2010-12 EU Marie Curie: Microenvs, 2 year PDRA (Rodrigo Ledesma)
 2008-12 EU Marie Curie: Actoids, 2 year PDRA (Miha Ravnik)
 2007-10 Behaviour of Fluids at the Microscale, ONR, USA \$321K
 2006-09 Oxford Condensed Matter Theory Programme Grant, EPSRC £1.85M
 2005-08 INFLUS: EU STREP, Interfacial Phenomena in Materials, €103K
 2003-04 Modelling lubrication at mesoscopic length scales, ONR, USA \$240K

Research Councils etc. service:

2011- IUPAP Commission on Statistical Physics (Vice-Chair elect)
 2010- Council, European Physical Society
 2009- Board member, EPS Division of Physics in the Life Sciences
 2008 Expert Evaluator Panel, EU FP7 Programme, Interface Modelling
 2007- External advisor, EPSRC NTU Platform Grant (P.I. Prof. G. McHale)
 2001 EPSRC Panel to review Fast Stream Grants
 1999 EPSRC Panel to review the Newton Institute
 1999 Chair, EPSRC Physics Prioritisation Panel

Editorial appointments:

Editor, Phys Rev E (2014 --); Editor, J. Stat. Phys. (2013 --); Advisory Editor, Europhysics Letters (2006 – 09); Co-Editor, Europhysics Letters (2003 – 06); Editorial Board, Journal of Statistical Physics (2001 –); Editorial Board, Physica A (1999 – 01); Editorial Board, Journal of Physics A: Math. Gen. (1995 – 99); Editor, Cambridge Lecture Notes in Physics (1993 – 2003).

Conference organising:

Organiser: Swimming and Complexity at Low Reynolds Number, Institute of Physics Topical Research Meeting (2012). Organising Committee: Playing Colloidal Mikado, Oxford (2009), Luxembourg (2010); Mesoscale Modelling for Complex Fluids and Flows, Oxford (2007);

Mesoscopic Simulation of Liquids, CECAM, Lyons (1999); DSFD, Santa Fe (2000); Tokyo (1999, Chair); Oxford (1998). International Advisory Committee: CMD24, (2012), SigmaPhi (2008--), STATPHYS (2007--); Conference on Computational Physics (2007--); Computational Modelling and Simulation of Materials (2004).

Outreach:

- 2013 Institute of Physics, South-Central Branch lecture.
- 2012 Institute of Physics: Non-linear physics group Christmas lecture.
- 2008-11 Lead exhibitor, *Nature's Raincoats*, RS Summer Science Exhibition. Techfest, Mumbai; Oxfordshire Science Festival; Cheltenham Science Festival, BBC Summer of UK Wildlife.
- 2007,09,11 Judging Panel: IoP Women in Physics Group Very Early Career Award.
- 2006 SET for Britain, Judge.
- 2006- Leader, UK delegation, 2nd IUPAP Conference, Women in Physics.
Advisory Panel of the Institute of Physics Women in Physics Group.

Graduate supervision:

31 graduate students who have completed their D. Phil.; 4 current students.