

PROFESSIONAL ACTIVITIES: Professor Ian W. Hamley

Membership of Professional Societies: Member of American Chemical Society (since 1993), Institute of Physics (since 1996), Royal Society of Chemistry (since 1998), Society of Rheology (US, since 1997) and British Liquid Crystal Society.

Professional Bodies: EPSRC Chemistry college. Facilities Access Panel for the Synchrotron Radiation Source, Daresbury, UK (2003-2007). ESRF (Grenoble France) XMaS beamline proposals panel (2007-). Committee member of MacroGroup UK (1999-2002 and 2008-) and European Polymer Federation representative (2008-). Member of Council of Materials Chemistry Division of Royal Society of Chemistry and member of Faraday Standing Committee on Conferences (2009-).

Meetings Organized: SCI/MacroGroup UK meeting "Multiscale Polymers: Towards the Nano-Domain", London (2000). RSC Faraday Discussion "Self-Organizing Polymers", Leeds, July 2004. EU COST P12 sponsored meeting on "X-ray Studies of Polymer Crystallization", Diamond Light Source, Oct 2006. Chair of International Organising Committee, XIV International Conference on Small-Angle Scattering, Oxford, Sept 2009, MacroGroup UK international meeting on "Polymeric Biomaterials", University of Reading, Apr 2010. Organizing committee (Biomaterials theme co-ordinator) for RSC Materials Chemistry 11 (MC11), Warwick, Jul 2013. RSC Faraday Discussion "Self-Assembly of Biopolymers", Bristol, Oct 2013.

Journal Editorial Boards or International Advisory Board Membership: Soft Matter (Royal Society of Chemistry), Polymer International (Wiley), Macromolecular Chemistry and Physics (Wiley).

Invited/Plenary Talks (recent examples):

Sept 8 2009 "Self-Assembly of Amyloid Peptide Fragments and Copolymers", 23rd European Colloid and Interface Society Meeting, Antalya, Turkey. PLENARY.

Apr 8 2010 "Self-Assembly of Amyloid Peptides and PEG Polymer/Peptide Hybrids", MRS Spring Meeting, San Francisco, USA. INVITED.

Aug 23 2011 "Structure and Self-Assembly of Amyloid Peptide-Based Hydrogelators", XXII Congress and General Assembly of the International Union of Crystallography, Madrid, Spain. INVITED.

Nov 14 2012 "Amyloid Polymer/Peptide Conjugates: From Self-Assembly Towards Applications in Biomedicine", Nanopeptides, University of Manchester. INVITED.

May 8 2013 "Self-Assembled Peptide Nanostructures", Gordon Research Conference on "Self-Assembly and Supramolecular Chemistry", Les Diablerets, Switzerland. INVITED.

May 28 2013 "Self-Assembling Peptide Conjugates: Nanostructures to Bionanotechnology", 533 WE-Heraeus seminar "Advanced Functional Polymers for Medicine", Physikzentrum Bad Honnef, Germany. INVITED.

Oct 29 2013 "Self-Assembling Amphiphilic Peptides: Nanostructures and Applications in Biomedicine", PepMat 2013, Sorrento, Italy. PLENARY.

Research Activities

Research in my group is focused on soft matter and nanoscience, in particular recently on the self-assembly of (i) block copolymers, (ii) amyloid peptides and amyloid peptide/polymer conjugates and (iii) biological soft materials more generally. Having had a joint appointment with Diamond Light Source (2005-2010), the exploitation of central facilities for x-ray and neutron continues to be a substantial part of my activities, eg. circular dichroism, SAXS/SANS, x-ray and neutron reflectivity of polymer/amphiphile films etc.

My research group currently comprises three PhD students and three postdocs. Grant income since 1995 exceeds £5 million. Publications include three authored books, two edited books,

twelve book chapters and more than 300 articles in international refereed journals. More than 10,000 citations to date, with an average of >25 per publication (*h*-index = 51).

Selected Awards and Prizes

2011 Royal Society Wolfson Research Merit award

2009 International Visiting Research Fellowship, University of Sydney

2005 Diamond Professorship, Diamond Light Source

2004 Leverhulme Research Fellowship, University of Leeds

2004 Visiting Fellowship, SRS, Daresbury Laboratory

1993 Royal Society Leverhulme William and Mary Postdoctoral fellowship, FOM-Amsterdam, The Netherlands