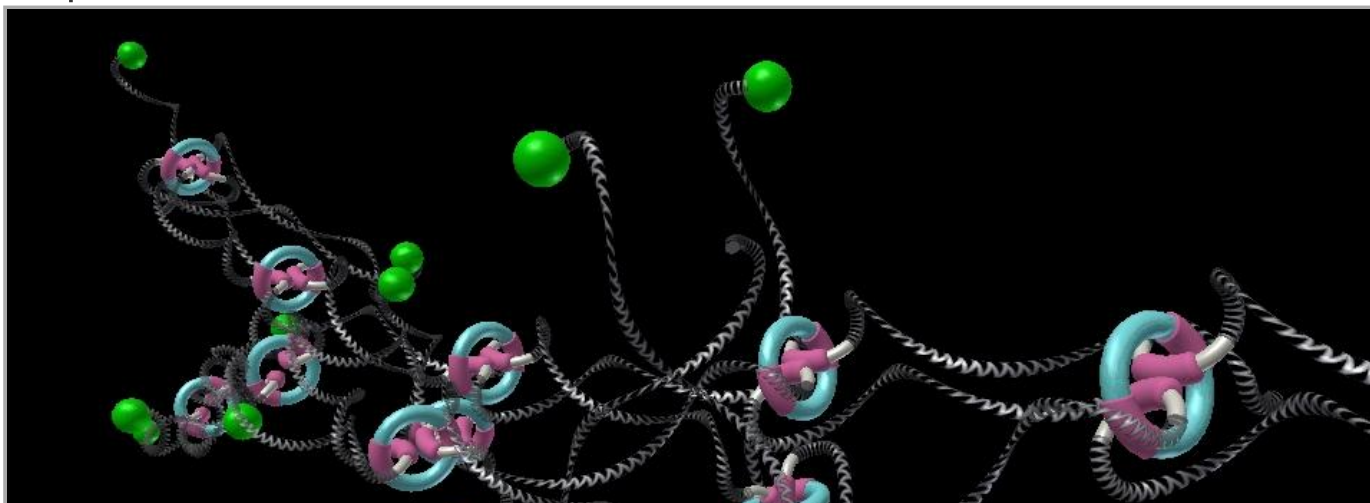




Group Information



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Kent Hale Smith Professor of Engineering

Department of Macromolecular Science and Engineering
Secondary Appointments in Biomedical Engineering and Chemistry
Director of the Institute for Advanced Materials
Case Western Reserve University
Email: stuart.rowan@case.edu
Phone: 216-368-4242
[Curriculum Vitae](#)

Education:

Post-Doctoral Research Fellow in Chemistry, University of California Los Angeles, 1998-1999
Post-Doctoral Research Associate in Chemistry, University of Cambridge-UK, 1994-1998
PhD in Chemistry, University of Glasgow-UK, 1994
B. Sc. (Honors) in Chemistry, University of Glasgow-UK, 1991

Selected Honors and Awards:

Edward Morley Award (ACS), 2014
Lu Jiaxi Lectureship, Xiamen University, China, 2013
Bayer Lecturship, University of Southern Mississippi, 2013
Fellow of the Royal Society of Chemistry (FRSC CChem) , 2010
Case school of Engineering Teaching Recognition Award, 2004-2006
NSF Career Award, 2002/2007

Biography:

Stuart Rowan is currently the Kent H. Smith Professor of Engineering in the Department of Macromolecular Science and Engineering at Case Western Reserve University. He has secondary appointments in both Biomedical Engineering and Chemistry at Case Western Reserve University. In addition, he is currently the faculty director of the Institute for Advanced Materials (IAM@Case).

Stuart was born in Edinburgh, Scotland in 1969 and grew up in Troon, Ayrshire on the west coast of Scotland. He received his B.Sc. (Hons.) in Chemistry in 1991 from the University of Glasgow and stayed there for his Ph.D. where he worked on Supramolecular Crystal Engineering of Inclusion Compounds in the laboratory of Dr David D. MacNicol, receiving his Ph.D. in 1995. In 1994 he moved to the Chemistry Department at the University of Cambridge to work with Prof. Jeremy K. M. Sanders FRS. There he carried out research on the development of Dynamic Combinatorial Libraries focusing on the transesterification reaction. In 1996 he was appointed a Research Associate of Girton College, Cambridge. In 1998 he moved across the Atlantic (and the continental U.S.) to continue his postdoctoral studies with Prof. Sir J. Fraser Stoddart FRS at the University of California, Los Angeles (now Northwestern). While in Southern California he developed numerous new methods for the construction of interlocked species, specifically using dynamic covalent chemistry and "surrogate" stoppers. In 1999 he was appointed as an Assistant Professor to the Department of Macromolecular Science and

GROUP NEWS

Welcome to Erik!

Welcome to our new PhD student Erik Price!

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GROUP PUBLICATIONS

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Engineering at Case Western Reserve University in Cleveland, Ohio, was promoted to Associate Professor with tenure in 2005 and became a Full Professor in 2008. He is a NSF CAREER awardee, received the CWRU School of Engineering Research Award in 2008, the Morley Medal in 2013 and is a Fellow of the Royal Society of Chemistry. He is the Deputy Editor of the *ACS Macro Letters* (<http://pubs.acs.org/journal/amlccd>), and on the editorial advisory board for the *Journal of Polymer Science Part A: Polymer Chemistry*, *Chemical Science*, and *J. Macromolecular Sci, Pure & Applied Chem*. He has published over 125 scientific papers and reviews. His research interests focus on the potential of dynamic chemistry (covalent and non-covalent) in the construction and properties of structurally dynamic polymeric materials. His group works on supramolecular polymers, self-healing materials, stimuli-responsive material and nanocomposites, metal-containing polymers, gels, biomaterials, and developing new synthetic methods for the construction of complex polymeric architectures.

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The Laboratory for Supramolecular Materials at CWRU

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