

## Leadership & Service

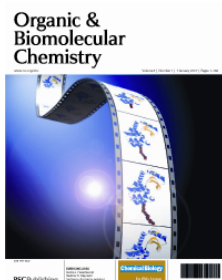
- 2007 – Now** Advisory Board Member for *Organic & Biomolecular Chemistry*  
**2006-2007** Co-organizer of the Nanomedicine and Chemical Biology Symposium  
**2006 – Now** Member of the Nanotoxicology Training Program

- 2006** Co-organizer of the Polymer Bioconjugates for Therapeutics & Biotechnology Symposium of the American Chemical Society  
**2005 – Now** Executive Committee Member of the Biotechnology Training Program  
**2005 – Now** Member of the Jonsson Comprehensive Cancer Center (JCCC)  
**2005 – Now** Member of the Molecular Foundry at the Berkeley National Laboratory Study Panel  
**2005 – Now** Member of the Grant Review Committee for the UCLA Institute for Stem Cell Biology & Medicine  
**2005-2006** Graduate Student Advisor of the Organic Division  
**2004-Now** Member of the Materials Creation Training Program (MCTP)  
**2004 – Now** Member of the Development Committee  
**2003 – Now** Member of the Center for Scalable and Integrated Nanomanufacturing (SINAM)  
**2003 – Now** Member of the Chemistry Biology Interface (CBI) Training Program  
**2003-2004** Member of the Shops and Supplies Committee  
**2003** Member of the Dissertation Year Fellowship Committee  
**2003** Member of the CNSI Budget Committee  
**2002-2003** Member of the CNSI Membership Committee  
**2002 – Now** Member of the California NanoSystems Institute (CNSI)

The Maynard group has pioneered the use of controlled radical polymerization to prepare well-defined biohybrid materials and the synthesis and use of side chain reactive polymers to pattern and array biomolecules for applications in biotechnology, nanotechnology, and medicine.

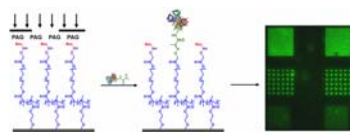
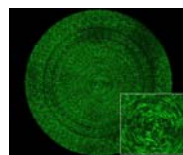


ATRP from protein-reactive initiators



Polymerization from proteins for in situ conjugate formation

High dimensional protein materials: nanometers in x,y and microns in z



Polymer directed patterning & orientation of proteins at the micro and nanoscale

## Creativity & Invention



NIH Fellowship

Karen Christman



Vimary Vázquez



Debora Bontempo

Amgen Postdoctoral Award

## Training & Education



Karina Heredia

Christopher Foote Fellowship



Greg Grover



Chris Kolodziej

MCTP NanoTox Training Programs



Greg Sand



Karina Heredia

NSF Louis Stokes for Minority Participation



Carrie Brubaker

Undergraduate Awards & Fellowships



Tiffany Li



Karina Heredia

CBI



Grace Quaker

Biotech



Zach Tolstyka

## UCLA Organic Division



Heather Maynard

Classes taught: Organic Chemistry: Reactivity and Synthesis; Biomaterial Interfaces; Problems in Advanced Organic; Polymer Chemistry and Biomaterials; Physical Organic Chemistry

Developed & taught new course for undergraduate & graduate students: BioNanotechnology

- Seaborg Award 2007  
 NSF CAREER Award, 2007-2012  
 Alfred P. Sloan Research Fellow, 2006-2008  
 Amgen New Faculty Award, 2004  
 Howard Reiss Career Development Chair, 2002-Now

## Honors & Awards

## Invited to Attend Workshops

Physical Organic Chemistry in Rhode Island (NSF, 2003), Indo-US workshop on Collaborations and Networking in India (NSF, 2004), Synthesis of Complex Chemical Systems in Boston (NSF, 2005), International Advanced Materials Forum for Young Scientists in Japan (2006)

## Invited Participant

US National Academy of Sciences 17<sup>th</sup> Annual Frontiers in Science Symposium (2005)  
 US National Academy of Engineering Japan-American Frontiers of Engineering (2005)  
 USA-Japan Forum Advances in Polymer Chemistry & Their Impacts Upon Society (2005)  
 US/Japan Young Scientists Nanotechnology Exchange Program (2003 & 2006)

## Named & Plenary Lectureships

WCC ACS Lecturer Southern Methodist University (2006)  
 Plenary Speaker 9<sup>th</sup> Annual UNESCO/IUPAC Conference on Macromolecules, South Africa (2006)  
 ~ 80 invited lectures

## Personal & Achievements