

Matthew John Allen

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Education

California Institute of Technology, Pasadena, CA

August 1999–December 2003

Degree: Ph.D. (inorganic chemistry)

Thesis: “Delivery and Activation of Contrast Agents for Magnetic Resonance Imaging”

Purdue University, West Lafayette, IN

August 1995–December 1998

Major: chemistry (honors)

Minor: mathematics

Degree: B.S. (with distinction)

Research Experience

Wayne State University

Professor of Oncology

July 2023–Present

Professor of Chemistry

August 2016–Present

Chair of Chemistry Department

July 2016–Present

Associate Professor of Chemistry

August 2013–August 2016

Assistant Professor of Chemistry

January 2008–August 2013

Lanthanide chemistry focused on magnetic resonance imaging contrast agents and aqueous catalysis

University of California Berkeley

April 2016–May 2016 (Sabbatical)

Host: Jeff Long

Magnetic measurements of divalent lanthanide complexes

University of Wisconsin–Madison

January 2004–Dec. 2007 (Postdoctoral Fellow)

Advisors: Laura Kiessling and Ronald Raines

Development of ring-opening metathesis polymerization (ROMP)-derived polymer conjugates of the cytotoxic enzyme RNase A; and synthesis of contrast agents for magnetic resonance imaging (MRI) integrated into ROMP-derived polymers and graft co-polymers

California Institute of Technology

August 1999–Dec. 2003 (Graduate Student)

Advisor: Thomas Meade

Design and synthesis of advanced contrast agents for MRI: development of methods to deliver gadolinium(III)-based agents and design of enzymatically activated contrast agents

Eli Lilly and Company (Tippecanoe Laboratories)

January 1999–June 1999 (Intern)

Supervisor: Richard Berglund

Process development of organic syntheses

Purdue University

August 1997–June 1999 (Undergraduate)

Advisor: Jillian Buriak

Catalytic functionalization of photoluminescent porous silicon

Eli Lilly and Company (LTC South)

May 1998–August 1998 (Intern)

Supervisor: Tony Zhang

May 1997–August 1997

Optimization of catalytic heterocycle syntheses and development of palladium-based resin chemistry

Eli Lilly and Company (Tippecanoe Laboratories) May 1996–August 1996 (Intern)
Supervisor: Ken Moder
Process development of palladium-catalyzed Suzuki coupling

Honors and Awards

Outstanding Graduate Mentor Award (Wayne State University): 2020
Member of the Editorial Advisory Board for *Inorganic Chemistry*: 2020–2022
Member of the Imaging Probes and Contrast Agents (IPCA) Study Section of the NIH: 2019–2023
Elected Fellow of the American Chemical Society (ACS): 2019
Elected Fellow of the American Association for the Advancement of Science (AAAS): 2018
Outstanding Teacher Award (International Society for Magnetic Resonance in Medicine): 2016
Named an Emerging Investigator in Bioinorganic Chemistry (American Chemical Society): 2016
President's Award for Excellence in Teaching (Wayne State University): 2015
Career Development Chair Award (Wayne State University): 2014–2015
University Safety Award (Wayne State University): 2013
Elliott Lasser Award (Contrast Media Research Symposium): 2011
Paul and Carol Schaap Faculty Scholar (Wayne State University): 2011
Thieme Chemistry Journal Award: 2011
Wayne State University College of Liberal Arts and Sciences Teaching Award: 2010
NSF CAREER Award: February 2010–January 2015
Swartz Creek High School Outstanding Alumni Award: September 2009
NIH Pathway to Independence Award (K99/R00): December 2006–December 2010
Boyer Postdoctoral Excellence Award: 2007
Ruth L. Kirschstein National Research Service Award Individual Fellowship (NIH): April 2004–November 2006
American Foundation for Aging Research (AFAR) Fellowship: September 2002
35th International Conference on Coordination Chemistry (ICCC) Fellowship: April 2002
California Institute of Technology Cline Neuroscience Discovery Grant: May 2001–May 2003
National Defense Science and Engineering Graduate (NDSEG) Fellowship: September 2000–September 2003
DOW Caltech Fellowship: June 2000–September 2000
National Science Foundation (NSF) Graduate Fellowship (awarded): March 2000
D.W. Margerum Undergraduate Research Scholarship: April 1998
Purdue University Alumni Award in Physical Chemistry: April 1998
Eli Lilly–Purdue Alumni Scholarship: August 1995–December 1998
Purdue University Valedictorian Scholarship: August 1995
Bausch & Lomb Science Award: 1994

Professional Affiliations

Sigma Xi	2019–Present
Society of Biological Inorganic Chemistry	2014–Present
American Association for the Advancement of Science (AAAS), Fellow	2009–Present
Barbra Ann Karmanos Cancer Institute (KCI)	2008–Present
World Molecular Imaging Society (formerly Society of Molecular Imaging) (WMIS)	2006–Present
American Chemical Society (ACS), Fellow	1996–Present

Publications and Teaching Experience

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