

Hien M. Nguyen

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PERSONAL

Born: Ho Chi Minh City (Saigon), Vietnam
Citizenship: USA

RESEARCH INTERESTS

Synthetic Organic Chemistry, Transition-Metal Catalysis, Carbohydrate Chemistry, and PET Imaging

EDUCATIONAL AND PROFESSIONAL HISTORY

Education

- | | |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2003 – 20006 | NIH Postdoctoral Fellow, Stanford University
Research: <i>Studies toward the Synthesis of Rameswaralide</i>
Advisor: Barry Trost |
| 1998 – 2003 | Ph.D. in Organic Chemistry, University of Illinois at Urbana-Champaign
Research: <i>Developments of New Methods for Carbohydrate Synthesis</i>
Advisor: David Gin |
| 1992 – 1996 | B.S. Chemistry, <i>cum laude</i> , Tufts University
Research: <i>Synthesis of myo-Inositol Compounds</i>
Advisor: Marc d'Alarcao |

Professional Appointments

- | | |
|-------------------|------------------------------------------------------------------------|
| 05/2013 – present | Associate Professor, Department of Chemistry, University of Iowa |
| 2009 – 04/2013 | Assistant Professor, Department of Chemistry, University of Iowa |
| 2006 – 2009 | Assistant Professor, Department of Chemistry, Montana State University |

Professional Affiliations

- | | |
|----------------|-----------------------------------------------------------------------|
| 1996 – present | Member, American Chemical Society |
| 1998 – present | Member, American Chemical Society, Division of Organic Chemistry |
| 2006 – present | Member, American Chemical Society, Division of Carbohydrate Chemistry |

Honors and Awards

2014	Faculty Career Development Award
2013	Dean's Scholar
2013	<i>Chemical Communications</i> Theme Issue on "Emerging Investigators"
2013	Thieme Chemistry Journal Award
2012	International Young Carbohydrate Investigator Award
2011	Academic Assistant Professor Symposium, Division of Organic Chemistry
2010	Glycobiology Young Investigator Symposium, Division of Carbohydrate
2009	Dean Award for Excellence in Mentoring Undergraduate Students
2008	Professor of the Year Teaching Award
2004	NIH Postdoctoral Fellowship
2003	R. C. Fuson Organic Travel Award
2001	Roche Award for Excellence in Organic Chemistry
1996	Durkees Chemistry Award
1994	NSF-REU Summer Research
1994	Howard Hughes Summer Research Fellowship

Professional Affiliations

1996 – present	Member, American Chemical Society
1998 – present	Member, American Chemical Society, Division of Organic Chemistry
2006 – present	Member, American Chemical Society, Division of Carbohydrate Chemistry

SCHOLARSHIP

Research Grants

Current Grant

(1) National Science Foundation (Grant Number: 1106082)
Title: Exploring Transition Metals in Carbohydrate Synthesis
PI: Hien Nguyen
Grant Period: 08/01/2011 – 07/31/2014

(2) National Institutes of Health (Grant Number: R01 GM092848)
Title: Synthesis of Complex Carbohydrates
PI: Hien Nguyen
Grant Period: 04/01/2012 – 03/31/2017

Pending Grant

(1) National Institutes of Health
Title: New Radiofluorination Methods for Medical Imaging and Therapy
PI: Hien Nguyen, Timothy Tewson, John Sunderland, and David Dick

(2) National Science Foundation
Title: Strategies for Stereoselective Formation of Nitrogen-Containing Quaternary Centers
PI: Hien Nguyen

Complete Grant

(1) National Science Foundation (Grant Number: CHEM0809200)
Title: Exploring Palladium Chemistry in Carbohydrate Synthesis
PI: Hien Nguyen
Grant Period: 08/01/2008 – 07/31/2011

Publications

Independent Career: (Peer Reviewed Articles)

Contribution: * Corresponding Author, ** Equal, *** Undergraduate Students

26. Arnold, J. S.; Zhang, Q.; Nguyen, H. M. "Transition-Metal Catalyzed Nucleophilic Substitution of Allylic Trichloroacetimidates." *Eur. J. Org. Chem.* (Invited Review Article, In Preparation).

25. Arnold, J. S.; Mwenda, E.; Nguyen, H. M. "Sequential Amination and Hydroacylation Reactions for the Enantioselective Synthesis of Seven-Membered Heterocycles." *Angew. Chem. Int. Ed.* (DOI: 10.1002/anie.201310354).

This article is selected as a "HOT PAPER"

24. Loka, R.; McConnell, M. S.; Nguyen, H. M. "Carbohydrate-Functionalized Bivalent Polymers to Investigate the Predictable Tunability of Multivalent Interactions." (Manuscript Submitted)

23. McKay, M. J.; Park, N. H.; Nguyen, H. M. "Stereoselective Formation of α -Glycosyl Ureas: Scope and Mechanism." (Manuscript Submitted).

22. Stockdale, D.; Topczewski, J. J.; Nguyen, H. M. "Iridium-Catalyzed Enantioselective Fluorination of Racemic, Secondary Allylic Trichloroacetimidates." (Manuscript Submitted).

21. Zhang, Qi.; Nguyen, H. M. "Rhodium-Catalyzed Regioselective Ring Opening of Vinyl Epoxides with Et₃N·3HF: Formation of Allylic Fluorohydrins." *Chem. Sci.* **2014**, 5, 291-296.

20. McKay, M. J.; Nguyen, H. M. "Recent Development in the Synthesis of Glycosyl Ureas." *Carbohydr. Res.* **2014**, 385, 18-44.

19. McConnell, M. S.; Mensah, E. A.; Nguyen, H. M. "Stereoselective α -Glycosylation of Myo-Inositols via Nickel Catalysis" *Carbohydr. Res.* **2013**, 381, 146-152.

18. Arnold, J. S.; Nguyen, H. M.* "Rhodium-Catalyzed Asymmetric Amination of Allylic Trichloroacetimidates" *Synthesis* **2013**, 45, 2101-2108 (Special Issue in Rhodium Catalysis).

17. McConnell, M. S.;** Yu, F.;** Nguyen, H. M.* "Nickel-Catalyzed α -Glycosylation of C(1)-Hydroxyl Group of Inositol Acceptors: A Formal Synthesis of Mycothiol." *Chem. Commun.* **2013**, 49, 4313-4315.

"2013 Emerging Investigators Issue"

16. Arnold, J. S.; Cizio, G. T.;*** Heitz, D. R.;*** Nguyen, H. M.* "Rhodium-Catalyzed Regio- and Enantioselective Amination of Racemic Secondary Allylic Imidates with *N*-Methyl Anilines: A Strategy for *N*-Methyl- α -Amino Acids." *Chem. Commun.* **2012**, 48, 11531-11533.

15. Yu, F.; Nguyen, H. M.* "Studies on the Selectivity Between Nickel-Catalyzed 1,2-*Cis*-2-Amino Glycosylation of Hydroxyl Groups of Thioglycoside Acceptors with C(2)-Substituted Benzyldiene *N*-Phenyl Trifluoroacetimidates and Intermolecular Aglycon Transfer of the Sulfide Group." *J. Org. Chem.* **2012**, 77, 7330-7343.

14. McKay, M. J.; Nguyen, H. M.* "Recent Advances in Transition Metal-Catalyzed Glycosylation." *ACS Catalysis* **2012**, 2, 1563-1595.

13. Arnold, J. S.; Nguyen, H. M.* "Rhodium-Catalyzed Dynamic Kinetic Asymmetric Transformations of Racemic Tertiary Allylic Trichloroacetimidates with Unactivated Anilines." *J. Am. Chem. Soc.* **2012**, 134, 8380-8383.

"Research Highlight" in SYNFACTS, 2012, 8, 862.

12. Topczewski, J. J.; Tewson, T. J. Nguyen, H. M.* "Iridium-Catalyzed Allylic Fluorination of Trichloroacetimidates" *J. Am. Chem. Soc.* **2011**, *133*, 19318-19321.
"Research Highlight" in Chemical Communications, **2012**, *48*, 2929.
11. Arnold, J. S.; Cizio, G. J.;*** Nguyen, H. M.* "Synthesis of 1,1-Disubstituted Amines by Rhodium-Catalyzed Amination of Tertiary Allylic Trichloroacetimidates" *Org. Lett.* **2011**, *13*, 5576-5579.
10. Mensah, E. A.; Yu, F.; Nguyen, H. M.* "Nickel-Catalyzed Stereoselective Glycosylation with C(2)-N-Substituted Benzylidene D-Glucosamine and D-Galactosamine Trichloroacetimidates for the Formation of 1,2-*cis*-2-Amino Glycosides. Applications to the Synthesis of Heparin Disaccharides, GPI Anchor Pseudodisaccharides, and α -GalNAc." *J. Am. Chem. Soc.* **2010**, *132*, 14288-14302.
9. Arnold, J. A.; Stone, R. F.;*** Nguyen, H. M.* "Rhodium-Catalyzed Regioselective Amination of Secondary Allylic Trichloroacetimidates with Unactivated Anilines." *Org. Lett.* **2010**, *12*, 4580-4583.
8. Mensah, E. A.; Nguyen, H. M.* "Nickel-Catalyzed Stereoselective Formation of α -2-Deoxy-2-Amino Glycosides." *J. Am. Chem. Soc.* **2009**, *131*, 8778-8780.
7. McKay, M. J.; Naab, B. D.;*** Mercer, G. J.; Nguyen, H. M.* "Selective Formation of β -O-Aryl Glycosides in the Absence of the C(2)-Neighboring Group." *J. Org. Chem.* **2009**, *74*, 4705-4711.
6. Park, N. H.;*** Nguyen, H. M.* "Stereoselective Rearrangement of Trichloroacetimidates: Application to the Synthesis of α -Glycosyl Ureas." *Org. Lett.* **2009**, *11*, 2433-2436.
5. Mensah, E. A.; Azzarelli, J. M.;*** Yang, J.; Nguyen, H. M.* "Palladium Controlled β -Glycosylation in the Absence of the Traditional C(2)-Ester Participatory Group" *J. Org. Chem.* **2009**, *74*, 1650-1657.
4. Mercer, G. J.; Yang, J.; McKay, M. J.; Nguyen, H. M.* "Palladium(II)-Catalyzed Rearrangement of Glycal Trichloroacetimidates: Application to the Stereoselective Synthesis of Glycosyl Ureas." *J. Am. Chem. Soc.* **2008**, *130*, 11210-11218.
3. Yang, J.; Cooper-Vanosdell, C.; Mensah, E. A.; Nguyen, H. M.* "Cationic Palladium(II)-Catalyzed Glycosylation with α -Glycosyl Trichloroacetimidates." *J. Org. Chem.* **2008**, *73*, 794-800
"This Article Was Selected as Featured Article".
2. Yang, J.; Mercer, G. J.; Nguyen, H. M.* "Palladium-Catalyzed Glycal Imidate Rearrangement: Stereoselective Formation of α - and β -N-Glycosyl Trichloroamides." *Org. Lett.* **2007**, *9*, 4231-4234.
1. Schuff, B. P.; Mercer, G. J.; Nguyen, H. M.* "Palladium-Catalyzed Stereoselective Formation of α -O-Glycosides." *Org. Lett.* **2007**, *9*, 3173-3176.

Supervised Career:

1. Trost, B. M.;* Nguyen, H. M.; Koradin, C. "Synthesis of a Tricyclic Core of Rameswaralide." Invited a Special Issue in Honor of Professor Harry Wasserman, *Tetrahedron. Lett.* **2011**, *52*, 2033-2036.
2. Nguyen, H. M.; Chen, Y.; Duron, S. G.; Gin, D. Y.* "Sulfide-Mediated Dehydrative Glycosylation." *J. Am. Chem. Soc.* **2001**, *123*, 8766-8772.
3. Nguyen, H. M.; Poole, J. L.; Gin, D. Y.* "Chemoselective Iterative Dehydrative Glycosylation." *Angew. Chem. Int. Ed.* **2001**, *40*, 414-417.

Lecture and Conference Presentations

Invited Talks

1. 07/2007 Tufts University, Department of Chemistry, Medford, MA
2. 10/2007 University of Toledo, Department of Chemistry, Toledo, OH
3. 12/2007 University of Colorado, Department of Chemistry, Boulder, CO
4. 09/2008 GlaxoSmithKline, Hamilton, MT
5. 01/2009 University of Iowa, Department of Chemistry, Iowa City, IA
6. 02/2009 University of Alabama, Department of Chemistry, Birmingham, AL
7. 04/2009 Rensselaer Polytechnic Institute, Biocatalysis Center, Troy, NY
8. 05/2009 San Jose State University, Department of Chemistry, San Jose, CA
9. 08/2009 Acora Pharmaceutical Company, Somerville, MA
10. 11/2009 Wayne State University, Department of Chemistry, Detroit, MI
11. 01/2010 West Virginia University, Department of Chemistry, Morgantown, WV
12. 03/2010 ACS Young Glycobiology Investigators Symposium, San Francisco, CA
13. 04/2010 Vanderbilt University, Department of Chemistry, Nashville, TN
14. 09/2010 Midwest Carbohydrate Symposium, Toledo, OH
15. 11/2010 Brown University, Department of Chemistry, Providence, RI
16. 11/2010 University of Connecticut, Department of Chemistry, Storrs, CT
17. 11/2010 Macalester College, Department of Chemistry, St. Paul, MN
18. 03/2011 Merck Research Pharmaceutical Company, Rahway, NJ
19. 03/2011 University of Iowa College of Pharmacy, Iowa City, IA
20. 06/2011 Carbohydrate Gordon Conference, Colby College, NH
21. 08/2011 ACS Academic Young Investigator Symposium, Denver, CO
22. 09/2011 University of California at Santa Barbara, Department of Chemistry, Santa Barbara, CA
23. 09/2011 University of California at Irvine, Department of Chemistry, Irvine, CA
24. 09/2011 Indiana University, Department of Chemistry, Bloomington, IN
25. 11/2011 Northwestern University, Department of Chemistry, Evanston, IL
26. 12/2011 Iowa State University, Department of Chemistry, Ames, IA
27. 02/2012 University of Illinois at Urbana-Champaign, Department of Chemistry, Urbana, IL
28. 02/2012 University of Illinois at Chicago, Department of Chemistry, Chicago, IL
29. 02/2012 University of Massachusetts at Amherst, Department of Chemistry, Amherst, MA
30. 03/2012 Tufts University, Department of Chemistry, Medford, MA
31. 03/2012 Northeastern University, Department of Chemistry, Boston, MA
32. 03/2012 University of Texas, Department of Chemistry and Biochemistry, Austin, TX
33. 03/2012 Texas A&M University, Department of Chemistry, College Station, TX
34. 03/2012 ACS Division of Carbohydrate and Organic Chemistry, San Diego, CA
35. 04/2012 New York University, Department of Chemistry, New York City, NY
36. 04/2012 Sloan Kettering Center, Department of Pharmacology and Chemistry, New York City, NY
37. 05/2012 Canadian Chemical Society, Division of Carbohydrate, Calgary, CA
38. 05/2012 University of California at Davis, Department of Chemistry, Davis, CA
39. 05/2012 Theravance Pharmaceutical Company, San Francisco, CA
40. 07/2012 International Young Investigator Carbohydrate Award, Madrid, Spain
41. 07/2012 International Carbohydrate Symposium, Madrid, Spain
42. 08/2012 ACS Division of Carbohydrate, Philadelphia, PA
43. 09/2012 University of Iowa, Department of Chemistry, Iowa City, IA
44. 09/2012 University of Pennsylvania, Department of Chemistry, Philadelphia, PA
45. 09/2012 Rutgers University, Department of Chemistry, New Brunswick, NJ
46. 10/2012 Purdue University, Department of Chemistry, West Lafayette, IN
47. 11/2012 University of Wisconsin, College of Pharmacy, Madison, WI
48. 01/2013 University of Pittsburgh, Department of Chemistry, Pittsburgh, PA
49. 03/2013 University of North Carolina, Department of Chemistry, Chapel Hill, NC
50. 04/2013 Pennsylvania State University, Department of Chemistry, University Park, PA
51. 09/2013 Boston College, Department of Chemistry, Chestnut Hill, MA
52. 09/2013 SUNY-Stony Brook, Department of Chemistry, Stony Brook, NY

53. 11/2013 Baylor University, Department of Chemistry and Biochemistry, Waco, TX
54. 11/2013 ACS Southwest Regional Meeting, Waco, TX
55. 12/2013 University of Kansas, Department of Chemistry, Lawrence, KS
56. 01/2014 27th International Carbohydrate Symposium, Bangalore, India
57. 01/2014 Frontiers in Chemistry and Biology of Carbohydrates, Indian Institute of Science, Pune, India
58. 01/2014 Indian Institute of Technology at Bombay, Mumbai, India
59. 03/2014 New Directions in Carbohydrate Synthesis, ACS Meeting in Dallas
60. 04/2014 University of Kansas, Department of Chemistry, Lawrence, KS
60. 10/2014 Oregon State University, Department of Chemistry, Corvallis, OR

Poster Presentations

1. 06/2007 Carbohydrate Gordon Conference, Tilton, NH
2. 07/2007 Organic Reactions and Processes Gordon Conference, Smithfield, RI
3. 07/2008 Stereochemistry Gordon Conference, Newport, RI
4. 07/2008 Organic Reactions and Processes Gordon Conference, Smithfield, RI
5. 06/2009 Carbohydrate Gordon Conference, Tilton, NH
6. 07/2009 Natural Products Gordon Conference, Tilton, NH
7. 07/2010 Organic Reactions and Processes Gordon Conference, Smithfield, RI
8. 06/2011 Carbohydrates Gordon Conference, Waterville, ME
9. 07/2011 Natural Products Gordon Conference, Smithfield, RI
10. 06/2012 Heterocycles Gordon Conference, Newport, RI
11. 06/2013 Carbohydrates Gordon Conference, Dover, VT

Student and Postdoc Posters and Presentations

26. 12/2013 Matthew McConnell, Western Illinois University
25. 06/2013 Jeff Arnold, Heterocycles Gordon Conference
24. 06/2013 Matthew McKay, Carbohydrates Gordon Conference
23. 06/2013 Matthew McConnell, Carbohydrates Gordon Conference
22. 04/2013 Kathleen White, ACS Meeting in New Orleans
21. 11/2012 Kathleen White, UT Southwestern Medical Center, Dallas, TX, (McKnight Finalist Poster)
20. 10/2012 Jeff Arnold, Midwest ACS Regional Meeting, Missouri
19. 09/2012 Drew Heitz, Pfizer Pharmaceutical Company, Groton, CT, (ACS SURF, Poster)
18. 08/2012 Matthew McKay, ACS National Meeting, Philadelphia, PA, (Poster)
17. 08/2012 Matthew McConnell, ACS National Meeting, Philadelphia, PA, (Poster)
16. 08/2012 Jeffrey Arnold, ACS National Meeting, Philadelphia, PA, (Poster)
15. 07/2012 Joseph Topczewski, Stereochemistry Gordon Conference, Newport, RI, (Poster)
14. 05/2012 Gregory Cizio, University of Iowa, Department of Chemistry Award (Poster)
13. 05/2012 Kathleen White, University of Iowa, Department of Chemistry Award (Poster)
12. 09/2011 Enoch Mensah, University of Michigan, Ann Arbor, MI (Invited Postdoctoral Talk)
11. 06/2011 Jeffrey Arnold, National Organic Symposium, Princeton, NJ, (Poster)
10. 06/2011 Matthew McKay, National Organic Symposium, Princeton, NJ, (Poster)
9. 06/2011 Enoch Mensah, Carbohydrates Gordon Conference, Waterville, ME, (Poster)
8. 03/2010 Joseph Azzarelli, ACS National Meeting, San Francisco, CA (Poster)
7. 09/2009 Enoch Mensah, ACS Midwest Meeting, Iowa City, IA, (Invited Talk)
6. 09/2009 Jeff Arnold, ACS Midwest Meeting, Iowa City, IA (Poster)
5. 09/2009 Matthew McKay, ACS Midwest Meeting, Iowa City, IA (Poster)
4. 06/2009 Enoch Mensah, National Organic Symposium, Boulder, CO (Poster)
3. 06/2009 Jeffrey Arnold, National Organic Symposium, Boulder, CO (Poster)
2. 06/2009 Matthew McKay, National Organic Symposium, Boulder, CO (Poster)
1. 06/2009 Nathan Park, National Organic Symposium, Boulder, CO (Poster)

TEACHING AND RESEARCH GROUP

Summary of Teaching Assignments at the University of Iowa

<u>Semester/Year</u>	<u>Course No. and Title</u>	<u>Enrollment</u>	<u>Effective</u>
Spring 2013	4:124 Organic Chemistry II for Majors	34	5.79/6.00
Fall 2012	4:172 Advanced Organic Chemistry	52	5.84/6.00
Spring 2012	4:124 Organic Chemistry II for Majors	43	5.88/6.00
Fall 2011	4:172 Advanced Organic Chemistry	34	5.89/6.00
Spring 2011	4:124 Organic Chemistry II for Majors	42	5.95/6.00
Fall 2010	4:141 Organic Chemistry Laboratory	128	5.61/6.00
Spring 2010	4:124 Organic Chemistry II for Majors	44	5.94/6.00
Fall 2009	4:141 Organic Chemistry Laboratory	152	5.04/6.00

Current Group Members

	<u>Student Names</u>	<u>Years at Iowa</u>	<u>Position</u>
1.	Jeffrey Arnold	6 th Year	Graduate Student
2.	Matthew McKay	6 th Year	Graduate Student
3.	Matthew McConnell	5 th Year	Graduate Student
4.	Qi Zhang	5 rd Year	Graduate Student
5.	David Stockdale	3 rd Year	Graduate Student
6.	Edo Mwenda	2 nd Year	Graduate Student
7.	Dibyendu Mondal	2 nd Year	Graduate Student
8.	Sulay Patel	2 nd Year	Graduate Student
9.	James Willey	2 nd Year	Medical Student
10.	Eric Sletten	1 st Year	Graduate Student
11.	Jason Mixdorf	Junior	Undergraduate Student
12.	Riley Svec	Junior	Undergraduate Student
13.	Michael Vinyard	Sophomore	Undergraduate Student
14.	Fei Yu		Postdoctoral Fellow
15.	Ravi Loka		Postdoctoral Fellow
16.	Russ Pesavento		Research Scientist

Alumni

	<u>Student Names</u>	<u>Group Title</u>	<u>Dates in Group</u>	<u>Current Position</u>
1.	Enoch Mensah	Graduate Student	Ph.D. – 12/2011	Postdoc at University of Michigan
2.	Patrick Ndungu	Graduate Student	M.S. – 05/2013	Catalyst, TX
3.	Alex Suihkonen	Graduate Student	M.S. – 05/2012	3M Analytical Group, MN
4.	Brandon Schuff	Graduate Student	M.S. – 05/2007	Pfizer, Groton, CT
5.	Kathleen White	Undergraduate	08/2011 – 05/2013	Graduate Student at MIT
6.	Drew Heitz	Undergraduate	08/2011 – 05/2013	Graduate Student at UPenn
7.	Nikolas LaPelusa	Undergraduate	01/2011 – 12/2011	Abbott, Chicago, IL
8.	Nathan Oldenhuis	Undergraduate	08/2011 – 05/2012	Graduate Student at UC-Irvine
9.	Gregory Cizio	Undergraduate	09/2010 – 07/2012	Graduate Student at UC-Irvine
10.	Robert Stone	Undergraduate	05/2010 – 08/2010	Graduate Student at UIUC
11.	Joseph Azzarelli	Undergraduate	01/2008 – 05/2010	Graduate Student at MIT
12.	Benjamin Naab	Undergraduate	09/2008 – 05/2010	Graduate Student at Stanford
13.	Nathan Park	Undergraduate	09/2007 – 07/2009	Graduate Student at MIT
14.	Mellie Park	REU Students	05/2010 – 08/2010	Graduate Student at Utah
15.	Joseph Topczewski	Postdoc Fellow	01/2011 – 01/2012	Postdoc at Michigan
16.	Gregory Mercer	Postdoc Fellow	01/2007 – 12/2008	Sigma-Aldrich, Madison, WI
17.	Jaemoon Yang	Postdoc Fellow	08/2007 – 08/2008	Cambridge Isotope Lab, MA

Student Awards and Fellowships

Fellowships

17. David Stockdale, CBB Fellowship, 2014
16. Michael Vinyard – NASA Scholarship, 2013
15. Kathleen White – NSF Graduate Fellowship, 2013
14. David Stockdale – SIF Graduate Fellowship, 2013
13. Matt McConnell – Graduate Summer Fellowship, 2103
12. Qi Zhang – Graduate Summer Fellowship, 2013
11. Drew Heitz – ACS Division of Organic Chemistry SURF Fellowship, 2012
10. Kathleen White – MIT Amgen Scholar Summer Fellowship, 2012
9. Nathan Park – NSF Graduate Fellowship, 2011
8. Enoch Mensah – Graduate College Summer Fellowship, 2011
7. Jeff Arnold – Graduate College Summer Fellowship, 2011
6. Matthew McKay – Graduate College Summer Fellowship, 2011
5. Benjamin Naab – NSF Graduate Fellowship, 2010
4. Joseph Azzarelli – ACS Division of Organic Chemistry SURF Fellowship, 2009
3. Nathan Park – Georgia Institute of Technology REU Program, 2009
2. Benjamin Naab – Sloan Kettering Institute Summer Fellowship, 2009
1. Joseph Azzarelli – MIT Amgen Scholar Summer Fellowship, 2008

Awards

1. Jeff Arnold - Lynn Anderson Research Excellence Award, 2013
2. David Stockdale – Meryl Heltibridle Fellow, 2013
3. Matthew McConnell – Glenn Rhodes Wilson Memorial Fellow, 2013
4. Edo Mwenda – McCloskey Fellow, 2013
5. Drew Heitz – Undergraduate Outstanding Senior Award, 2013
6. Kathleen White – ACS Division of Organic Chemistry Graduating Senior Award, 2013
7. Riley Svec – Undergraduate Outstanding Sophomore Award, 2013
8. Gregory Cizio – Ken Sando Scholarship, 2012
9. Nathan Oldenhuis – Chemistry Alumni Award, 2012
10. Kathleen White – Russell K. Simms Scholarship, 2012
11. Drew Heitz – Donald and Margaret Burton Organic Scholarship, 2012
12. Joseph Azzarelli – Rhodes Scholarship Finalist, 2011
13. Enoch Mensah – Lynn Anderson Research Excellence Award, 2011
14. Greg Cizio – Viksnins, Harris and Pady's Award, 2011
15. Nathan Park – NSF Predoctoral Fellowship, 2011
16. Benjamin Naab – NSF Predoctoral Fellowship, 2010
17. Joseph Azzarelli – Barry Goldwater Scholarship, 2009
18. Benjamin Naab – Barry Goldwater Scholarship, 2009

SERVICE

Professional Activities

Federal Government Grant Review

2006 – 2007	Ad hoc Reviewer, NSF, Division of Chemistry
10/2008	NSF Organic Synthesis Panelist, Division of Chemistry
10/2011	NSF Synthesis Proposal Panel Reviewer, Division of Chemistry
2011	ACS-PRF Proposal Reviewer
2012	ACS-PRF Proposal Reviewer

2012 NIH, Physiological Chemistry Study Section, Special Emphasis Panel
2012 NIH, K-99 Panel Review

Journal Reviews

2006 – present

Organic Letters
Angewandte Chemie International Edition
Journal of American Chemical Society
Journal of Organic Chemistry
Carbohydrate Research
Chemistry – A European Journal
Tetrahedron
Tetrahedron Letters
Chemical Sciences
Nature Chemistry
Sciences
Journal of Carbohydrate Chemistry
ACS Catalysis

ACS National Meeting

07/2011 – 03/2012

Organize and Raise Funding for the Symposium in Honor of the late Professor David Y. Gin at the ACS Meeting, San Diego, CA, 03/2012

Departmental Activities

09/2009 – present

Serve on Chemistry Graduate Admissions Committee

09/2009 – present

Serve on Chemistry Graduate Recruiting Committee

2010

Organize the Wawzonek Lectureship

2010

Organize the Organic Division Seminar

10/2011– 05/2012

Serve on the Departmental Website Redesign Committee

10/2011– present

Serve on the NMR/Mass Spectroscopy Committee

03/2011– present

Serve on Graduate Student Thesis Committee

University Activities

09/2009 – present

Serve on Biosciences Program Admissions Committee

09/2009 – present

Serve on Biosciences Program Recruiting Committee