

# Oswaldo Gutierrez

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## POSITION

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Associate Professor <b>Texas A&amp;M University, College Station, TX</b>	2021-Present
Associate Professor (with tenure) <b>University of Maryland, College Park, MD</b>	2021-2021
Assistant Professor, Nathan Drake Faculty Fellow <b>University of Maryland, College Park, MD</b>	2019-2021

## EDUCATION & TRAINING

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Postdoctoral Fellow in Chemistry <b>University of Pennsylvania, Philadelphia, PA</b> <i>Advisor: Professor Marisa C. Kozlowski</i>	2012-2016
Ph.D. in Chemistry <b>University of California-Davis, Davis, CA</b> <i>Advisor: Professor Dean J. Tantillo</i>	2009-2012
B.S/M.S in Chemistry <b>University of California-Los Angeles, Los Angeles, CA</b> <i>Advisor: Professor Kendall N. Houk</i>	2006-2009

## AWARDS FROM INDEPENDENT CAREER

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Camille Dreyfus Teacher Scholar	2021
C&EN Talented 12	2020
NIH R35 (NIGMS Maximizing Investigator's Research Award)	2020
University of Maryland's <i>Nathan Drake Faculty Fellowship</i> <i>"the faculty fellowship provides support for the recruitment and/or retention of an outstanding junior faculty member in the field of organic chemistry."</i> <a href="#">LINK</a>	2019
University of Maryland's CMNS Board of Visitors Junior Faculty Award <i>"This fund provides an annual award in recognition of the outstanding contributions of tenure track assistant professors who have completed their first three-year term in the College of Computer, Mathematical, and Natural Sciences"</i>	2019
NSF CAREER Award	2018

## PUBLICATIONS FROM INDEPENDENT CAREER

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### BLUE and BOLD =undergraduate students

33. Rotella, M. E.; Sar, D.; Liu, L.; Gutierrez, O.#  
*Chem. Commun.* **2021**, in press.

"Fe-Catalyzed dicarbofunctionalization of electron-rich alkenes with Grignard reagents and (fluoro)alkyl halides."

Part of the 2021 Emerging Investigators Issue

32. Liu, L.; Aguilera, M. C.; Lee, W.; Youshaw, C. R.; Neidig, M. L. # **Gutierrez, O.** #  
*Science* **2021**, *374*, 432-439.

"General method for iron-catalyzed multicomponent radical cascades-cross-couplings."

Highlighted in Science by Guillaume Lefèvre: [LINK](#)

Featured in Texas A&M Science by Shana K. Hutchins "Texas A&M Chemist Helps Pave Way for Cheaper, Faster, Safer Chemical Synthesis Using Iron as Catalyst" [LINK](#)

This work was highlighted by the University of Rochester "A big leap forward in using iron catalysts for pharmaceuticals" [LINK](#)

31. Wang, H.; Liu, C.-F.; Martin, R. T.; **Gutierrez, O.**; # Koh, M. J. #  
*Submitted*.

"Directing Group-Free Alkene Dicarbofunctionalization."

30. Berger, K. J.; Driscoll, J. L.; Yuan, M.; Dherange, B. D.; **Gutierrez, O.**; # Levin, M. D. #  
*J. Am. Chem. Soc.* **2021**, *143*, 17366-17373.

"Direct Deamination of Primary Amines via Isodiazene Intermediates."

29. Yuan, M.; **Gutierrez, O.** #

*WIREs Computational Molecular Science*. **2021**, in press. DOI: 10.1002/wcms.1573

"Mechanisms, Challenges, and Opportunities of Dual Ni/Photoredox Catalyzed C(sp<sup>2</sup>)-C(sp<sup>3</sup>) Cross-Couplings." (Invited Article)

28. Liu, C.F.; Wang, H.; Martin, R. T.; **Gutierrez, O.**; # Koh, M. J. #  
*Nat. Catal.* **2021**, *4*, 674-683.

"A General Olefin Functionalization/Isomerization Strategy for Stereoselective Alkene Synthesis."

27. Thompson, R. R.; Rotella, M. E.; Zhou, X.; Fronczek, F. R.; Kumar, R.; **Gutierrez, O.** # Lee, S. #  
*J. Am. Chem. Soc.* **2021**, *143*, 9026-9039.

"Impact of Ligands and Metals on the Formation of Metallacyclic Intermediates and a Non-traditional Mechanism for Group VI Alkyne Metathesis Catalysts."

26. DeMuth, J. C.; Song, Z.; Carpenter, S. H.; Boddie, T. E.; Radovic, A.; Baker, T. M.; **Gutierrez, O.**; # Neidig, M. L. #  
*Chem. Sci.* **2021**, *12*, 9398-9407.

"Experimental and Computational Studies of the Mechanism of Iron-Catalysed C-H Activation/Functionalisation with Allyl Electrophiles."

25. Lipp, A.; Badir, S.; Dykstra, R.; **Gutierrez, O.**; # Molander, G. A. #  
*Adv. Synth. Catal.* **2021**, *363*, 3507-3520.

"Catalyst-Free Decarbonylative Trifluoromethylthiolation Enabled by Electron Donor-Acceptor Complex Photoactivation."

Highlighted with VIP (Very Important Publication) designation

24. Agrawal, T.; Martin, R.; Collins, S.; Wilhelm, Z.; Edwards, M. D.; **Gutierrez, O.**; # Sieber, J. D. #  
*J. Org. Chem.* **2021**, *86*, 5026-5046.

"Access To Chiral Diamine Derivatives through Stereoselective Cu-Catalyzed Reductive Coupling of Imines and Allenamides."

23. Campbell, M. W.; Yuan, M.; Polites, V. C.; **Gutierrez, O.**; # Molander, G. A. #  
*J. Am. Chem. Soc.* **2021**, *143*, 3901-3910.

"Photochemical C-H Activation Enables Nickel-Catalyzed Olefin Dicarbofunctionalization."

22. Guo, L.; Yuan, M.; Zhang, Y.; Wang, F.; Zhu, S.; **Gutierrez, O.** # Chu, L. #  
*J. Am. Chem. Soc.* **2020**, *142*, 20390-20399.

"General Method for Enantioselective Three-Component Carboarylation of Alkenes Enabled by Visible-Light Dual Photoredox/Nickel Catalysis."

21. Liu, L.; Lee, W.; Youshaw, C. R.; Yuan, M.; **Geherty, M. B.**; Zavalij, P. Y.; **Gutierrez, O.** #  
*Chem. Sci.* **2020**, *11*, 8301-8305.

“Fe-Catalyzed Three-Component Dicarbofunctionalization of Unactivated Alkenes with Grignard Reagents.”

Featured in Org. Chem by Douglass F. Taber under Highlights: Reactions of Alkenes [LINK](#)

Highlighted in Organic Chemistry Portal by Reto Mueller! [LINK](#)

Highlighted in SYNFACTS by Mark Lautens: [LINK](#)

20. Yuan, M.; Song, Z.; Badir, S. O.; Molander, G. A.; **Gutierrez, O.**<sup>#</sup>

*J. Am. Chem. Soc.* **2020**, *142*, 7225-7234.

“On The Nature of C(sp<sup>3</sup>)-C(sp<sup>2</sup>) Bond Formation In Nickel-Catalyzed Tertiary Radical Cross-Couplings: A Case Study Mechanistic Study of Ni/Photoredox Catalytic Cross-Coupling of Alkyl Radicals and Aryl Halides.”

19. Liu, L.; Lee, W.; Yuan, M.; **Acha, C.**; **\* Geherty, M. B.**; **\* Williams, B.** **\* Gutierrez, O.**<sup>#</sup>

*Chem. Sci.* **2020**, *11*, 3146-3151.

“Intra- and Intermolecular Carbofunctionalization of Vinyl Cyclopropanes.”

Highlighted in SYNFACTS: [LINK](#)

18. Rotella, M. E.; Der, R.; Hilinski, M. K.<sup>#</sup>; **Gutierrez, O.**<sup>#</sup>

*ACS Catal.* **2020**, *10*, 1, 897-906.

“Mechanism of Iminium Salt-Catalyzed C(sp<sup>3</sup>)-H Amination: Factors Controlling Hydride Transfer versus H-Atom Abstraction.”

17. Xiao, S.; Lee, W.; Chen, F.; Zavalij, P. Y.; **Gutierrez, O.**<sup>#</sup> Davis, J.<sup>#</sup>

*Chem. Commun.* **2020**, *56*, 6981-6984.

“Oxidation of 8-Thioguanosine Gives Redox-Responsive Hydrogels and Reveals Intermediates in a Desulfurization Pathway.”

16. Wang, H.; Liu, C.-F.; Song, Z.; Yuan, M.; Ho, Y. A.; **Gutierrez, O.**<sup>#</sup> Koh, M. J.<sup>#</sup>

*ACS Catal.* **2020**, *10*, 4451-4459.

“Engaging  $\alpha$ -Fluorocarboxylic Acids Directly in Decarboxylative C-C Bond Formation.”

Highlighted in Chemistry World: [LINK](#)

15. Xu, B.; Troian-Gautier, L.;<sup>#</sup> Dykstra, R.; Martin, R.; **Gutierrez, O.**<sup>#</sup> Tambar, U. K.<sup>#</sup>

*J. Am. Chem. Soc.* **2020**, *142*, 6206-6215.

“Photocatalyzed Diastereoselective Isomerization of Cinnamyl Chlorides to Cyclopropanes”

14. Thompson, R. R.; Rotella, M. E.; Du, P.; Zhou, X.; Fronczek, F. R.; Kumar, R.; **Gutierrez, O.**<sup>#</sup> Lee, S.<sup>#</sup>

*Organometallics* **2019**, *38*, 4054-4059.

“Siloxide Podand Ligand as a Scaffold for Molybdenum Catalyzed Alkyne Metathesis and Isolation of a Dynamic Metallatetrahedrane Intermediate.”

13. Luo, Y.; Gutierrez-Bonet, A.; Matsui, J. K.; Rotella, M. E.; Dykstra, R.; **Gutierrez, O.**<sup>#</sup> Molander, G. A.<sup>#</sup>

*ACS Catal.* **2019**, *9*, 8835-8842.

“Oxa- and Azabenzonornbornadienes as Electrophilic Partners under Photoredox/Nickel Dual Catalysis.”

12. Sorlin, A. M.; Mixdorf, J. C.; Rotella, M.; **Martin, R.**; **\* Gutierrez, O.**<sup>#</sup> Nguyen, H. M.<sup>#</sup>

*J. Am. Chem. Soc.* **2019**, *141*, 14843-14852.

“The Role of Trichloroacetimidate To Enable Iridium-Catalyzed Regio- and Enantioselective Allylic Fluorination: A Combined Experimental and Computational Study.”

11. Hyun, S.-M.; Yuan, M.; Maity, A.; **Gutierrez, O.**<sup>#</sup> Powers, D. C.<sup>#</sup>

*Chem.* **2019**, *5*, 2388-2404.

“The Role of Iodanyl Radicals as Critical Chain Carriers in Aerobic Hypervalent Iodine Chemistry.”

10. Liu, L.; Lee, W.; Zhou, J.; **Bandyopadhyay, S.**; **\* Gutierrez, O.**<sup>#</sup>

*Tetrahedron* **2019**, *75*, 129-136.

“Radical-clock  $\alpha$ -halo-esters as mechanistic probes for bisphosphine iron-catalyzed cross-coupling reactions.”

9. Lee, W.; Yuan, M.; **Acha, C.**; **\* Onwu, A.**; **\* Gutierrez, O.**<sup>#</sup>

*Org. Biomol. Chem.* **2018**, *17*, 1767-1772.

“Mechanism of Nitrones and Allenolates Cascade Reactions for the Synthesis of Dihydro[1,2-a]indoles.”

8. Sutyak, K. B.; Lee, W.; Zavalij, P. V.; **Gutierrez, O.**;<sup>#</sup> Davis, J. T. <sup>#</sup>

*Angew. Chem. Int. Ed.* **2018**, *57*, 17146-17150.

“Templating and Catalyzing [2 + 2] Photocycloaddition in Solution Using a Dynamic G-Quadruplex.”

7. Liu, L; Lee, W; Yuan, M.; **Gutierrez, O.** <sup>#</sup>

*Comment. Inorg. Chem.* **2018**, *38*, 210-237.

“Mechanisms of Bisphosphine Iron-Catalyzed C(sp<sup>2</sup>)-C(sp<sup>3</sup>) Cross-Coupling Reactions: Inner-Sphere or Outer-Sphere Arylation?”

6. Matsui, J. K.; Gutierrez-Bonet, A.; Rotella, M.; Alam, R.; **Gutierrez, O.**;<sup>#</sup> Molander, G. A. <sup>#</sup>

*Angew. Chem. Int. Ed.* **2018**, *57*, 15847-15851.

“Photoredox/Nickel-Catalyzed Single-Electron Tsuji-Trost Reaction: Development and Mechanistic Insight.”

Highlighted in SYNFACTS by Paul Knochel and Juri Skotnitski! [LINK](#)

Highlighted as Top 10% most downloaded paper in a year!

5. Phelan, J. P.; Lang, S. B.; Compton, J. S.; Kelly, C. B.; Dykstra, R.; **Gutierrez, O.**;<sup>#</sup> Molander, G. A. <sup>#</sup>

*J. Am. Chem. Soc.* **2018**, *140*, 8037-8047.

“Redox-Neutral Photocatalytic Cyclopropanation via Radical/Polar Crossover.”

Highlighted as the top 10 "Most Read Articles" in July 2018!

Highlighted in SYNFACTS by Paul Knochel and Moritz Balkenhohl! [LINK](#)

Highlighted in Organic Chemistry Portal by Reto Mueller! [LINK](#)

4. Cabrera-Afonso, M. J.; Lu, Z.-P.; Kelly, C. B.; Lang, S. B.; Dykstra, R.; **Gutierrez, O.**;<sup>#</sup> Molander, G. A. <sup>#</sup>

*Chem. Sci.* **2018**, *9*, 3186-3191.

“Engaging Sulfinate Salts via Ni/Photoredox Dual Catalysis Enables Facile Csp<sup>2</sup>-SO<sub>2</sub>R Coupling.”

3. Lee, W.; Zhou, J.; **Gutierrez, O.** <sup>#</sup>

*J. Am. Chem. Soc.* **2017**, *139*, 16126-16133.

“Mechanism of Nakamura’s Iron-Catalyzed Asymmetric Cross-coupling Reaction: The Role of Spin in Controlling Selectivity.”

2. Li, X.-N.; Ridge, C. D.;<sup>#</sup> Mazzola, E. P.; Sun, J.; **Gutierrez, O.**; Moser, A.; DiMartino, J. C.; MacDonald, S. A.; Chen, P. <sup>#</sup>

*Magn. Reson. Chem.* **2017**, *55*, 210-213.

“Application of a Computer-assisted Structure Elucidation Program for the Structural Determination of a New Terpenoid Aldehyde with an Unusual Skeleton.”

1. Mazzola, E. P.;<sup>#</sup> **Gutierrez, O.**;<sup>#</sup> Fraenkel, G. A.; Chow, A.; Doyle, M. P.; Mandler, M.; Dykstra, R.; Garg, D.; Ridge, C. D.

*Concepts in Mag. Res.* **2016**, 45A:e21424.

“Unusually Large Scalar Coupling Between Geminal Protons in a Saturated Pyrimidine.”

#### **INVITED TALKS FROM INDEPENDENT POSITION**

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##### **Scheduled:**

GRC Physical Organic Conference. Holderness, NH. 6/27/2021 **COVID-19 RESCHEDULE 2023**

Dartmouth College, Hanover, NH. 11/10/2022

IUPAC Physical Organic Chemistry. Hiroshima, Japan. 7/10/2020 **COVID-19 RESCHEDULE 2022**

38<sup>th</sup> Reaction Mechanism Conference. Boulder, CO. 6/12/2020 **COVID-19 RESCHEDULE 2022**

University of Missouri, Organic Chemistry Day 2022, Columbia, MI. 4/23/2022

ACS National Meeting, From Theory to Therapy Symposium, San Diego California, 3/20/2022–3/24/2022

Columbia University, New York, NY. 3/9/2022

The Florida Heterocyclic and Synthetic Chemistry Conference (FloHet), Gainesville, FL. 3/6/2022-3/9/2022

Wake Forest University, Winston Salem, NC. 3/2/2022

Colorado State University, Fort Collins, CO. 2/7/2022

**OUTREACH:** ADSE. University of Oregon, Eugene, OR. 12/3/2021

University of California-Davis, Davis, CA. 11/23/2021

ACS Division of Organic Chemistry Graduate Research Symposium. University of New Mexico in Albuquerque, NM. 11/18/2021

**Past:**

52. Bristol-Myers Squibb- Discovery Chemistry Department. 11/9/2021
51. Cope Scholar Symposium at the 2021 SWRM regional ACS meeting, Austin, Texas. 10/2/2021
50. Boston College, Newton, MA. 10/21/2021 (COVID-19 VIRTUAL)
49. Philipps-Universität Marburg, Marburg, Germany. 10/18/2021 (COVID-19 VIRTUAL)
48. California State University-San Marcos. San Marcos, CA. 9/15/2021 (COVID-19 VIRTUAL)
47. ACS/DOC Virtual Symposia. 9/15/2021
46. Harvard University. Cambridge, MA. 10/14/2021 (COVID-19 VIRTUAL)
45. Merck- Discovery Process Chemistry. West Point, PA. 7/22/2021. (COVID-19 VIRTUAL)
44. 2021 Middle Atlantic Regional Meeting-Frontiers in New Methods for Organic Synthesis. Newark, DE. 6/10/2021. (COVID-19 VIRTUAL)
43. U.S. National Chemistry Olympiad-Study Camp. College Park, MD. 6/7/2021
42. University of Texas-San Antonio. San Antonio, NY. 4/30/2021 (COVID-19 VIRTUAL)
41. **OUTREACH:** SACNAS at Louisiana State University. Baton Rouge, LA. 4/23/2021 (COVID-19 VIRTUAL)
40. New York University. New York, NY. 3/30/2021 (COVID-19 VIRTUAL)
39. CINVSTAV, Mexico City, Mexico. 2/25/2021(COVID-19 VIRTUAL)
38. The College of New Jersey. Ewing, NJ. 2/17/2021 (COVID-19 VIRTUAL)
37. Brown University. Providence, RI. 1/29/2021 (COVID-19 VIRTUAL)
36. Philadelphia Organic Chemistry Club. University of Pennsylvania. Philadelphia. PA. 12/17/2020 (COVID-19 VIRTUAL)
35. University of Manitoba. Winnipeg, Manitoba, Canada. 11/17/2020 (COVID-19 VIRTUAL)
34. Pennsylvania State University. State College, PA. 11/11/2020 (COVID-19 VIRTUAL)
33. UCLA. Los Angeles, CA. 11/5/2020 (COVID-19 VIRTUAL)
32. **OUTREACH:** University of Colorado. Denver, CO. 11/6/2020 (COVID-19 VIRTUAL)
31. University of Maryland. College Park, MD. 10/22/2020 (COVID-19 VIRTUAL)
30. Georgetown University. Washington, DC. 10/15/2020 (COVID-19 VIRTUAL)
29. Texas A&M University. College Station, TX. 10/8/2020 (COVID-19 VIRTUAL)
28. Indiana University. Bloomington, IN. 9/28/2020 (COVID-19 VIRTUAL)
27. Rensselaer Polytechnic Institute. Troy, NY. 9/15/2020 (COVID-19 VIRTUAL)
26. Young Academic Investigators. San Francisco, CA. 8/18/2020 (COVID-19 VIRTUAL)
25. Photochemistry Spotlight: Shining Light on the Big Questions of Photochemistry. 6/16/2020. (COVID-19 VIRTUAL)
24. Seton Hall University. South Orange, NJ. 2/25/2019
23. George Washington University. Washington, DC. 2/7/2019
22. Nanyang Technological University. Singapore, SG. 1/8/2019
21. National University of Singapore. Singapore, SG. 1/7/2019
20. Texas A&M University. College Station, TX.10/21/2019
19. 2019 ACS San Diego. 8/27/2019.
18. 2019 TSRC Workshop on Accelerating Reaction Discovery. 7/21/2019
17. 2019 Middle Atlantic Regional Meeting (MARM) Early Career Organic Symposium. 6/1/2019.
16. Wayne State University, Detroit, MI. 4/17/2019.
15. University of Denver, Denver, CO. 4/12/2019
14. 257<sup>TH</sup> ACS National Meeting, Orlando, FL. 3/31/2019. Computers in Chemistry (COMP) Division.
13. Duquesne University, Pittsburg, PA. 2/22/2019.
12. **OUTREACH:** Student Invited Speaker, Sacramento City College, Sacramento, CA. 2/4/2019
11. Millersville University, Millersville, PA. 11/5/2018.
10. George Mason University, Fairfax, VA. 10/5/2018.
9. University of Guanajuato, Guanajuato, MX. 7/2/2018.
8. 2<sup>nd</sup> International Symposium on Organic Reaction Mechanisms (honor of Prof. K. N. Houk). (Peking University Shenzhen Graduate School in Shenzhen, China). 5/14/2018
7. Prince George's Community College STEM WEEK, Prince Georges Community College, Largo, MD. 2/28/2018.
6. Department of Chemical and Biomolecular Engineering, University of Maryland, College Park, MD. 11/28/2017.
5. **OUTREACH:** Student Invited Speaker, Drexel University, Philadelphia, PA. 9/29/2017.

**INVITED TALKS PRIOR TO INDEPENDENT POSITION**

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4. *Rising Stars in Chemistry Symposium, University of Chicago, Chicago, IL. 6/8/2015*
3. *34rd Reaction and Mechanisms Conference, UC Davis, Davis, CA. 6/23/2014.*
2. *The Center for Research and Advanced Studies of the National Polytechnic Institute (CINVSTAV), Mexico City, Mexico. 3/28/2013.*

1. *National Autonomous University of Mexico (UNAM), Mexico City, Mexico. 3/27/2013.*

## **PATENTS**

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U.S. Provisional Application No.: 63/013475. Title: Fe-CATALYZED 1,2-DIFUNCTIONALIZATION OF OLEFINS. Filing Date: April 21, 2020. Inventors: Osvaldo GUTIERREZ; Lei LIU and Wes LEE

## **Synergistic Activities**

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- Promote Participation of Underrepresented Minorities in STEM:** As **board member** and **President of Leadership (2014-current) of the Alliance for Diversity in Science and Technology (ADSE)**, the PI has been involved in the establishing new chapters at the University of Maryland College Park (current faculty sponsor), UCinn, UMass Amherst, Drexel, UC Davis, UC Denver, Texas A&M, NYU, and UCF. The goal of these chapters is to increase the participation and underrepresented groups in STEM fields. ADSE accomplishes these goals by supporting and mentoring individual chapters in outreach activities aimed at surrounding communities and in organizing “diversity series speaker” events at their respective institutions. **The PI has co-organized 5 ADSE Young Research Conferences** (UCLA, UC Davis, and three at the University of Maryland College Park) aimed at broadening participation of underrepresented minorities in STEM fields, in particular those from community college, to network, participate in workshops, and present their research as poster or oral presentations.
- Recruitment and Mentoring of Undergraduates, Especially from Underrepresented Minorities:** As a former community college student (2001 to 2005), the PI is actively seeking opportunities to recruit and mentor inexperienced students. At the University of Maryland, the PI has recruited and mentored >25 undergraduate and high school students, most from underrepresented backgrounds in STEM. The University of Maryland is located in Prince George’s Country, which motivated the PI to pilot a new partnership with nearby Prince George’s Community College (PGCC) to provide hands-on, paid (via startup and NSF CAREER) research opportunities and mentoring to two community college students per year (2017-current). PGCC serves a very diverse population where almost 80% of students are underrepresented minorities and women and many are first generation and/or with families. In addition, as part of the established partnership, the PI brings STEM faculty from PGCC to learn computational chemistry and mentor research undergraduate students. Till date, 9 total community students from PGCC have participated in summer research and 6 of them have gone to 4-year universities and 3 have published their work in peer review journals. Further, as board member of McNair Scholars Program (2016-current), the PI is actively involved in recruitment and retention efforts of underrepresented students both at undergraduate and graduate levels.

## **STUDENTS MENTORED**

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### **Undergraduates (26 total):**

26. Saul Flores, Fall 2020-current
25. Katya Beltran, Spring 2020-current
24. Joshua Turman, Summer 2020, Prince George’s Community College
23. Dale Allen, Summer 2020, Prince George’s Community College
22. Abigail Hunker, Summer 2020, Frostburg State University, McNair Scholars Program
21. Emma Walter, Spring 2019-current
20. Stephanie Vargas, Spring 2020-Summer 2020
19. David Polefrone, Fall 2019-current
18. Zachary Wilhelm, Spring 2020-current
17. Onyemachi Azubuko, Summer 2019, Prince George’s Community College
16. Oreoluwa Akinyode, Fall 2019, Prince George’s Community College
15. Brandon Williams, Summer 2019, Prince George’s Community College
14. Yuliang (Aaron) Wu Fall 2017-Fall 2018
13. Michael “Ben” Geherty, Spring 2019-Spring 2020
12. Victor Baumann, Summer 2018-Summer 2020
11. Donovau Bialose, Summer 2018-Fall 2018
10. Surjo Bandyopadhyay, Fall 2016-Spring 2019
9. Linus Nemiroff, Spring 2018-Fall 2018
8. Michael Davis, Summer 2018-current.
7. Christopher Acha, Summer 2017-Summer 2020, Prince George’s Community College, McNair Scholars Program
6. Ashley Henriquez, Summer 2017, Prince George’s Community College.
5. Simone Williams, Spring 2017-Spring 2018
4. Ashley Onwu, Summer 2018: Prince George’s Community College.

3. Alyssa Manio, Summer 2018: Prince George's Community College
2. Robert Martin, Spring 2017-Spring 2018
1. Monica Cardenas, Summer 2016

**High School: (2 total)**

2. Deeya Garg, Montgomery Blair High School, Summer 2017
1. Pratik Lahiri, Richard Montgomery High School, Summer 2016

**Doctoral (8 total: 4 experimental and 5 computational).**

11. Mira Milic, Fall 2021-current
10. Achyut Gogoi, Fall 2021-current
9. Osma Gomez, Fall 2021-current
8. Shuai Yin, Fall 2020-current
7. Cassandra Ruth Youshaw, Fall 2019-current
6. Robert T. Martin, Fall 2018-current
5. Mingbin Yuan, Fall 2017-current
4. Zhihui Song, Fall 2017-current
3. Ryan Dykstra, Summer 2017-current

**Past:**

2. Dr. Madeline E. Rotella, 2017-2021. Current Position: Postdoctoral Researcher at UPenn (Prof. Kozlowski).
1. Dr. Wes Lee, Summer 2016-2021. Current Position: Postdoctoral Researcher at NIH.

**Postdoctoral (4 total).**

**Current:**

4. Dinabandhu Sar, 2020-current
3. Angel Renteria Gomez, Fall 2020-current, Fulbright Scholar
2. Lei Liu, 2017-current

**Past:**

1. Jun Zhou, 2016-2018; current position: Assistant Professor at *Changsha University of Science & Technology*.