

**Curriculum Vitae**  
**Amanda E. Hargrove**  
**Duke University**

Department of Chemistry  
Department of Biochemistry  
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### **I. EDUCATION AND TRAINING**

**NIH NRSA Postdoctoral Fellow**, (2013), California Institute of Technology, Pasadena, CA  
Mentor: Professor Peter B. Dervan

**Ph.D., Organic Chemistry**, (2010), University of Texas at Austin, Austin, TX  
Research Advisors: Professors Eric V. Anslyn and Jonathan L. Sessler  
Doctoral Portfolio in Cellular and Molecular Imaging for Diagnostics and Therapeutics  
NSF-IGERT Program International Internship, Dr. Jean-Pierre Sauvage, Université Louis Pasteur, Strasbourg, France (Summer 2006)

**B.S., Chemistry and Spanish**, (2004), Trinity University, San Antonio, TX  
Research Advisor: Professor John D. Spence

### **II. POSITIONS HELD**

2024- Professor of Medicinal Chemistry, University of Toronto, Dept of Chemical and Physical Sciences, Mississauga; Dept of Chemistry, Toronto (July 1, 2024)  
2023-Present Professor of Chemistry, Duke University  
2020-Present Associate Professor of Biochemistry, Duke University  
2020-2023 Associate Professor of Chemistry, Duke University  
2015-2020 Assistant Professor of Biochemistry, Duke University  
2013-2020 Assistant Professor of Chemistry, Duke University

### **III. PROFESSIONAL ACTIVITIES**

Board of Advisors, Trinity University Chemistry Department (2023-Present)  
Scientific Advisory Board Member, Arrakis Therapeutics (2021-Present)  
Editor-in-Chief: *Medicinal Research Reviews* (2019-Present)  
Editorial Board Member: *Current Protocols*; *Chemical Communications*; *Supramolecular Chemistry*

### **IV. HONORS AND AWARDS**

RNA Society Elisa Izaurralde Award for Innovation in Research, Teaching, and Service (2023)  
Kavli Fellow (2022)  
American Chemical Society Women Chemists Committee Rising Star Award (2021)  
Cram Lehn Pedersen Prize in Supramolecular Chemistry (2021)  
Langford Lectureship, Duke University (2021)

Sloan Research Fellowship (2020)  
Dean's Diversity Award, Trinity College of Arts and Sciences, Duke University (2020)  
RSC Medicinal Chemistry Emerging Investigator Lectureship (2019)  
ChemComm Emerging Investigator Lectureship (2018)  
NSF CAREER Award (2018)  
Research Science Corporation of America Cottrell Scholar Award (2017)  
Prostate Cancer Young Investigator Award (2015)  
Ralph E. Powe Junior Faculty Enhancement Award (2014)  
NIH Ruth L. Kirschstein National Research Service Award Postdoctoral Fellowship (2011-2013)  
Tobacco-Related Disease Research Program Postdoctoral Fellowship (2010-2011)

## **V. NAMED AND KEYNOTE LECTURESHIPS**

1. UC Berkeley Novartis Chemical Sciences Lectureship; UC Berkeley; Berkeley, CA; Feb 27, 2024.
2. Helen Murray Free Endowed Lecture; The College of Wooster; Wooster, OH; Nov 2, 2023.
3. Trinity University McGavock Symposium; San Antonio, TX; Mar 31, 2023. Keynote speaker.
4. Danish Medicinal Chemistry and Chemical Biology; Copenhagen, Denmark; Jan 17, 2023. Keynote speaker.
5. International Symposium on Macrocyclic and Supramolecular Chemistry; Eugene, OR; Jun 19, 2022. Cram Lehn, Pederson Award in Supramolecule Chemistry.
6. ACS Spring 2022 National Meeting, WCC Awards Symposium; San Diego, CA; Mar 22, 2022. ACS WCC Rising Star Award.
7. Langford Lectureship, Duke University; Online; April 16, 2021.
8. Nucleic Acid-Targeted Small Molecule Drug Discovery Consortium; Osaka, Japan; Oct 8, 2019. Keynote speaker.
9. 13<sup>th</sup> International Symposium on Macrocyclic and Supramolecular Chemistry; Quebec City, Canada, Jul 9, 2018. *ChemComm Emerging Investigator Lectureship*.

## **VI. PUBLICATIONS AND PATENTS**

### Peer-Reviewed Publications (Independent)

Corresponding author (\*), Co-first author (†), Undergraduate Authors (underlined)

1. Umuhire Juru, Aline; Zafferani, Martina; Laudeman, Christopher; **Hargrove, Amanda E.**\* "Targeting the HIV packaging signal with small molecules: expanding chemical space by using dynamic combinatorial chemical libraries." *Submitted*.
2. Falese, James P.; McFadden, Emily J.; D'Inzeo, Christopher A.; **Hargrove, Amanda E.**\* "Structural analysis of the lncRNA SChLAP1 reveals protein binding interfaces and a conformationally heterogeneous retroviral insertion." [*bioRxiv* (preprint) DOI: <https://doi.org/10.1101/2021.10.21.465303>] *In revision*.
3. Wicks, Sarah L.; Morgan, Brittany S.; Wilson, Alexander W.; **Hargrove, Amanda E.**\* "Probing Bioactive Chemical Space to Discover RNA-Targeted Small Molecules." [*bioRxiv* (preprint) DOI: <https://doi.org/10.1101/2023.07.31.551350>]
4. Bailey, Morgan A.;<sup>†</sup> Martyr, Justin G.;<sup>†</sup> **Hargrove, Amanda E.**;<sup>\*</sup> Fitzgerald, Michael C.\* "Stability-based Proteomics for Investigation of Structured RNA-protein Interactions." *Analytical Chemistry*. **2024**, 96(7), 3044–3053.
5. Davila-Calderon, Jesse; Li, Mei-Ling; Penumutchu, Srinivasa R.; Haddad, Christina; Malcolm, Linzy; King, Josephine; **Hargrove, Amanda E.**;<sup>\*</sup> Brewer, Gary;<sup>\*</sup> Tolbert, Blanton S.\* "Enterovirus Evolution Reveals the Mechanism of an RNA-Targeted Antiviral and Determinants of Viral Replication." *Science Advances*. **2024**, 10(7), eadg3060.

6. Hyman, Daniel; Martins, Jason; Richter, Christian; Sreeramulu, Sridhar; Wacker, Anna; Ferner, Jan; Patwardhan, Neeraj N.; **Hargrove, Amanda E.**; Schwalbe, Harald.\* "NMR  $^1\text{H}$ ,  $^{19}\text{F}$ -based screening of the four stem-looped structure 5<sub>SL1</sub>–SL<sub>4</sub> located in the 5'-untranslated region of SARS-CoV 2 RNA." *RSC Medicinal Chemistry*. **2024**, *15*, 165-177.
7. Vögele, Jennifer; Hyman, Daniel; Martins, Jason; Ferner, Jan; Jonker, Hendrick RA; **Hargrove, Amanda E.**; Weigand, Julia E; Wacker, Anna; Schwalbe, Harald; Wöhnert, Jens; Duchardt-Ferner, Elke.\* "High-resolution structure of stem-loop 4 from the 5'-UTR of SARS-CoV-2 solved by solution state NMR." *Nucleic Acids Research*. **2023**, *51*, 11318–11331.
8. Bagnolini, Greta; Luu, TinTin B.; **Hargrove, Amanda E.**\* "Recognizing the power of machine learning and other computational methods to accelerate progress in small molecule targeting of RNA." *RNA*. **2023**, *29*, 473-488.
9. Zafferani, Martina; Martyr, Justin G.; Muralidharan, Dhanasheel; Montalvan, Nadeska I.; Cai, Zhengguo; **Hargrove, Amanda E.**\* "Multi-assay profiling of a focused small molecule library reveals predictive bidirectional modulation of the lncRNA MALAT1 triplex stability *in vitro*." *ACS Chemical Biology*. **2022**, *17*(9), 2437–2447.
10. Zafferani, Martina; Muralidharan, Dhanasheel; Montalvan, Nadeska I.; **Hargrove, Amanda E.**\* "RT-qPCR as a screening platform for mutational and small molecule impacts on structural stability of RNA tertiary structures." *RSC Chemical Biology*. **2022**, *3*, 905-915.
11. Donlic, Anita; Swanson, Emily G.; Chiu, Liang-Yuan; Wicks, Sarah L.; Umuhire Juru, Aline; Cai, Zhengguo; Kassam, Kamillah; Laudeman, Chris; Sanaba, Bilva G.; Sugarman, Andrew; Han, Eunseong; Tolbert, Blanton S.\*; **Hargrove, Amanda E.**\* "R-BIND 2.0: An Updated Database of Bioactive RNA Targeting Small Molecules and Associated RNA Secondary Structures." *ACS Chemical Biology*. **2022**, *17*(6), 1556-1566.
12. Cai, Zhengguo; Zafferani, Martina; Akande, Olanrewaju M.; **Hargrove, Amanda E.**\* "Quantitative Structure Activity Relationship (QSAR) study predicts small molecule binding to RNA structure." *Journal of Medicinal Chemistry*. **2022**, *65*(10), 7262–7277.
13. Zafferani, Martina; Haddad, Christina; Luo, Le; Davila-Calderon, Jesse; Yuan-Chiu, Liang; Shema Mugisha, Christian; Monaghan, Adeline G.; Kennedy, Andrew A.; Yesselman, Joseph D.; Gifford, Robert R.; Tai, Andrew W.; Kutluay, Sebla B.; Li, Mei-Ling\*; Brewer, Gary\*; Tolbert, Blanton S.\*; **Hargrove, Amanda E.**\* "Amilorides inhibit SARS-CoV-2 replication *in vitro* by targeting RNA structures." *Science Advances*. **2021**, *7*(48), eabl6096.
14. Zafferani, Martina; **Hargrove, Amanda E.**\* "Small Molecule Targeting of Biologically Relevant RNA Tertiary and Quaternary Structures." *Cell Chemical Biology*. **2021**, *28*(5), 594-609.
15. Falese, James P.; Donlic, Anita; **Hargrove, Amanda E.**\* "Tutorial Review: Targeting RNA with small molecules: from fundamental principles towards the clinic." *Chemical Society Reviews*. **2021**, *50*(4), 2224-2243.
16. Umuhire Juru, Aline; **Hargrove, Amanda E.**\* "Frameworks for targeting RNA with small molecules." *Journal of Biological Chemistry*, **2021**, *296*, 100191.
17. **Hargrove, Amanda E.**\* "Small molecule-RNA targeting: Starting with the fundamentals." *Chemical Communications*, **2020**, *56*, 14744-14756.
18. Davila-Calderon, Jesse; Patwardhan, Neeraj N.; Chiu, Liang-Yuan; Sugarman, Andrew L.; Cai, Zhengguo; Penutmutchu, Srinivasa R.; Li, Mei-Ling; Brewer, Gary\*; **Hargrove, Amanda E.**;\* Tolbert, Blanton S.\* "IRES-targeting small molecule inhibits enterovirus 71 replication via allosteric stabilization of a ternary complex." *Nature Communications*, **2020**, *11*, 4775.
19. Donlic, Anita; Zafferani, Martina; Padroni, Giacomo; Puri, Malavika; **Hargrove, Amanda E.**\* "Regulation of MALAT1 triple helix stability and *in vitro* degradation by diphenylfurans." *Nucleic Acids Research*, **2020**, *48*(14), 7653–7664.

20. Padroni, Giacomo; Patwardhan, Neeraj N.; Schapira, Matthieu; **Hargrove, Amanda E.**\* "Systematic analysis of the interactions driving small molecule–RNA recognition." *RSC Medicinal Chemistry*, **2020**, *11*, 802-813.
21. Umuhire Juru, Aline; Cai, Zhengguo; Jan, Adina; **Hargrove, Amanda E.**\* "Template-guided selection of RNA ligands using imine-based dynamic combinatorial chemistry." *Chemical Communications*. **2020**, *56*, 3555-3558.
22. Ganser, Laura R.; Kelly, Megan L.; Patwardhan, Neeraj N.; **Hargrove, Amanda E.**; Al-Hashimi, Hashim M.\* "Demonstration that small molecules can bind and stabilize low-abundance short-lived RNA excited conformational states." *J. Mol. Bio.* **2020**, *432*, 1297-1304.
23. Morgan, Brittany S.; Sanaba, Bilva; Donlic, Anita; Karloff, Diane; Forte, Jordan E; Zhang, Yuqi; **Hargrove, Amanda E.**\* "R-BIND: An Interactive Database for Exploring and Developing RNA-Targeted Chemical Probes." *ACS Chemical Biology*. **2019**, *14*(12), 2691-2700.
24. Patwardhan, Neeraj N.; Cai, Zhengguo; Umuhire Juru, Aline; **Hargrove, Amanda E.**\* "Driving factors in amiloride recognition of HIV RNA targets." *Organic & Biomolecular Chemistry*. **2019**, *17*, 9313-9320.
25. Umuhire Juru, Aline; Patwardhan, Neeraj N.; **Hargrove, Amanda E.**\* "Understanding the contributions of conformational changes, thermodynamics, and kinetics of RNA-small molecule interactions." *ACS Chemical Biology*. **2019**, *14*(5), 824-838.
26. Wicks, Sarah L.; **Hargrove, Amanda E.**\* "Fluorescent indicator displacement assays to identify and characterize small molecule interactions with RNA." *Methods*. **2019**, *167*, 3-14.
27. Eubanks, Christopher S.; Zhao, Bo; Patwardhan, Neeraj N.; Thompson, Rhese; Zhang, Qi; **Hargrove, Amanda E.**\* "Visualizing RNA conformational changes via Pattern Recognition of RNA by Small Molecules." *Journal of the American Chemical Society*. **2019**, *141*(14), 5692–5698.
28. Eubanks, Christopher S.; **Hargrove, Amanda E.**\* "RNA structural differentiation: Opportunities with pattern recognition. *Biochemistry*. **2019**, *58*(4), 199–213. *Special Issue: Future of Biochemistry: International Issue*.
29. Patwardhan, Neeraj N.; Cai, Zhengguo; Newson, Colby; **Hargrove, Amanda E.**\* "Fluorescent peptide displacement as a general assay for screening small molecule libraries against RNA." *Organic & Biomolecular Chemistry*. **2019**, *17*, 1778-1786.
30. Donlic, Anita; Morgan, Brittany S.; Xu, Jason L.; Liu, Anqi; Roble, Carlos Jr.; **Hargrove, Amanda E.**\* "Discovery of small molecule ligands for MALAT1 by tuning an RNA-binding scaffold." *Angewandte Chemie, International Edition*. **2018**, *57*, 13242-13247.
31. Morgan, Brittany S.; Forte, Jordan E.; **Hargrove, Amanda E.**\* "Insights into the development of chemical probes for RNA." *Nucleic Acids Research*. **2018**, *46*(16), 8025-8037.
32. Donlic, Anita; **Hargrove, Amanda E.**\* "Targeting RNA in mammalian systems with small molecules." *WIREs RNA*. **2018**, *9*(4), e1477. *Top 20 Most Read Article, 2017-2018*.
33. Eubanks, Christopher S.; **Hargrove, Amanda E.**\* "Sensing the impact of environment on small molecule differentiation of RNA sequences." *Chemical Communications*. **2017**, *53*, 13363-13366.
34. Morgan, Brittany S.; Forte, Jordan E.; Culver, Rebecca N.; Zhang, Yuqi; **Hargrove, Amanda E.**\* "Discovery of key physicochemical, structural, and spatial properties of RNA-targeted bioactive ligands." *Angewandte Chemie, International Edition*. **2017**, *56*(43), 13498-13502.
35. Patwardhan, Neeraj N.; Ganser, Laura R.; Kapral, Gary J.; Eubanks, Christopher S.; Lee, Janghyun; Sathyamoorthy, Bharathwaj; Al-Hashimi, Hashim M.; **Hargrove, Amanda E.**\* "Amiloride as a new RNA binding scaffold with activity against HIV-1 TAR." *MedChemComm*. **2017**, *8*, 1022-1036. *Designated "2017 Hot Article in MedChemComm."*
36. Eubanks, Christopher S.; Forte, Jordan E.; Kapral, Gary J.; **Hargrove, Amanda E.**\* "Small molecule-based pattern recognition to classify RNA structure." *Journal of the American Chemical Society*. **2017**, *139*, 409-416.

37. McFadden, Emily J.; **Hargrove, Amanda E.\*** "Biochemical methods to investigate lncRNA and the influence of lncRNA:protein complexes on chromatin." *Biochemistry*. **2016**, *55* (11), 1615-1630.
38. Burg, Jonathan M.; Link, Jennifer E.; Morgan, Brittany S.; Heller, Frederick J.; **Hargrove, Amanda E.**; McCafferty, Dewey G.\* "KDM1 class flavin-dependent protein lysine demethylases." *Biopolymers*. **2015**, *104*(4), 213-246.

#### Peer-Reviewed Publications (Training)

39. **Hargrove, Amanda E.**; Martinez, Thomas F.; Hare, Alissa.; Kurmis, Alexis A.; Phillips, John W.; Sud, Sudha; Pienta, Kenneth J.; Dervan, Peter B. "Tumor repression of VCaP xenografts by a pyrrole-imidazole polyamide." *PLoS One*. **2015**, *10*(11), e0143161.
40. Nickols, Nickolas. G.; Szablowski, Jerzy O.; **Hargrove, Amanda E.**; Li, Benjamin C.; Raskatov, Jevgenij A.; Dervan, Peter B. "Activity of a Py-Im polyamide targeted to the estrogen response element." *Molecular Cancer Therapeutics*. **2013**, *12*, 675-684.
41. Raskatov, Jevgenij A.; Nickols, Nickolas G.; **Hargrove, Amanda E.**; Marinov, Georgi; Wold, Barbara; Dervan, Peter B. "Gene Expression Changes in a Tumor Xenograft by a Py-Im Polyamide." *Proceedings of the National Academy of Sciences*. **2012**, *109*, 16041-16045.
42. **Hargrove, Amanda E.**; Raskatov, Jevgenij A.; Meier, Jordan L.; Montgomery, David C.; Dervan, Peter B. "Characterization and solubilization of pyrrole-imidazole polyamide aggregates." *Journal of Medicinal Chemistry*. **2012**, *55*, 5425-5432.
43. Raskatov, Jevgenij A.; **Hargrove, Amanda E.**; So, Alex Y.; Dervan, Peter B. "Pharmacokinetics of Py-Im polyamides depend on architecture: Cyclic versus linear." *Journal of the American Chemical Society*. **2012**, *134*(18), 7995-7999.
44. **Hargrove, Amanda E.**; Nieto, Sonia; Zhang, Tianzhi; Sessler, Jonathan L.; Anslyn, Eric V. "Artificial receptors for the recognition of phosphorylated molecules." *Chemical Reviews*. **2011**, *111*(11), 6603-6782.
45. **Hargrove, Amanda E.**; Ellington, Andrew D.; Anslyn, Eric V.; Sessler, Jonathan L. "Chemical functionalization of oligodeoxynucleotides with multiple boronic acids for the polyvalent binding of saccharides." *Bioconjugate Chemistry*. **2011**, *22*, 388-396.
46. **Hargrove, Amanda E.**; Reyes, Ryan N.; Riddington, Ian; Anslyn, Eric V.; Sessler, Jonathan L. "Boronic acid porphyrin receptor for ginsenoside sensing." *Organic Letters*. **2010**, *12*(21), 4804-4807.
47. **Hargrove, Amanda E.**; Zhong, Zhenlin; Shabbir, Shagufta H.; Sessler, Jonathan L., Anslyn, Eric V. "Algorithms for the determination of binding constants and enantiomeric excess in complex host:guest equilibria using optical measurements." *New Journal of Chemistry*. **2010**, *34*, 348-354
48. Collins, Byron E.; Sorey, Steven; **Hargrove, Amanda E.**; Shabbir, Shagufta H.; Lynch, Vincent M.; Anslyn, Eric V. "Probing intramolecular B-N interactions in protic media." *Journal of Organic Chemistry*, **2009**, *74*(11), 4055-4066.
49. Pikulski, Michael; **Hargrove, Amanda**; Shabbir, Shagufta H.; Anslyn, Eric V.; Brodbelt, Jennifer S. "Sequencing and characterization of oligosaccharides using infrared multiphoton dissociation and boronic acid derivatization in a quadrupole ion trap." *Journal of the American Society for Mass Spectrometry*, **2007**, *18*, 2094-2106.
50. Spence, John D.; **Hargrove, Amanda E.**; Crampton, Hannah L.; Thomas, David W. "Porphyrinediynes: synthesis and cyclization of meso-enediynylporphyrins." *Tetrahedron Letters*, **2007**, *48*(4), 725-728.
51. Sessler, Jonathan L.; Lee, Jeong Tae; Ou, Zhongping; Köhler, Thomas; **Hargrove, Amanda E.**; Cho, Won-Seob; Lynch, Vincent; Kadish, Karl M. "Chemical and electrochemical oxidation of N-alkyl cyclo[n]pyrroles." *Journal of Porphyrins and Phthalocyanines*, **2006**, *10*, 1329-1336.

## Book Chapters and Edited Volumes

52. *Methods in Enzymology: Volume 623: RNA Recognition*. Hargrove, Amanda E., Ed. Academic Press: 2019. ISBN: 9780128168318.
53. Padroni, Giacomo; Eubanks, Christopher S.; **Hargrove, Amanda E.** "Chapter Six - Differentiation and classification of RNA motifs using small molecule-based pattern recognition." In *Methods in Enzymology*, Hargrove, A. E., Ed. Academic Press: 2019; Vol. 623, pp 101-130.
54. Morgan, Brittany S.; **Hargrove, Amanda E.** "Chapter Seven - Synthetic Receptors for Oligonucleotides and Nucleic Acids." In *Synthetic Receptors for Biomolecules: Design Principles and Applications*; Smith, B. D., Ed.; The Royal Society of Chemistry: Cambridge, 2015, pp 253-325.

## Patents

55. PCT patent application #PCT/US21/61774, "AMILORIDE DERIVATIVES AND METHODS OF USING SAME FOR THE TREATMENT OF VIRAL INFECTIONS," filed December 3, 2021. Patent pending.
56. PROV patent application #63/322,902, filed March 3, 2022.

## VII. SERVICE

### Professional Affiliations

American Association for the Advancement of Science (2020-present)  
American Society for Biochemistry and Molecular Biology (2020-present)  
RNA Society, Member (2015-present)  
American Chemical Society, Member (2004-present)  
Iota Sigma Pi: National Honor Society for Women in Chemistry, Member (2005-present)

### Editing and Reviewing:

Guest Editor: *Methods* (2018-2019), *Methods in Enzymology* (2018-2019)

Ad hoc journal reviewer: *Proceedings of the National Academy of Sciences*; *Journal of the American Chemical Society*, *Nucleic Acids Research*; *Nature Reviews in Drug Discovery*; *Organic and Bioorganic Chemistry*, *Journal of Chemical Education*, *Journal of Molecular Biology*; *Nature Communications*; *Oncotarget*, *Cell Chemical Biology*, *Tumor Biology*, *WIREs RNA*, *ACS Chemical Biology*, *ACS Infectious Diseases*, *Chemical Science*, *Analytical Chemistry*, *Nature Chemical Biology*; *PLOS Computational Biology*; *Sensors & Actuators: B*.

Ad hoc Grant Reviewer: National Institute of Health; Research Corporation for Science Advancement; Prostate Cancer Foundation; National Science Foundation; Wellcome Trust / DBT India Alliance; Dutch Research Council (NWO); UK Medical Research Council

### Conferences and Professional Societies:

American Chemical Society Councilor; Division of Biological Chemistry; 2021-present

Chair; Gordon Research Conference: Bioorganic Chemistry; 2024

Vice-Chair; Gordon Research Conference: Bioorganic Chemistry; 2023

Co-Organizer, "Celebrating Diversity in Biological Chemistry Research: Celebrating the Life and Science of Dr. Marie Daly." *ACS National Meeting Fall 2022*, Aug 21-25, 2022, Chicago, IL.

Session Chair: RNA 2020, RNA 2021, Viruses 2022, RNA 2022

Co-organizer, "Chem Bio Connections: 2021 Summer Seminar Series," July 8 – August 19, 2021.

Organizer, "Debunking Myths of the Undruggable and Indistinguishable." *256<sup>th</sup> ACS National Meeting*, Aug 19-23, 2018, Boston, MA.

Co-organizer, "Discovery of Small Molecules Targeting RNA – Where Are We and Where are We Going?" *255th ACS National Meeting*, Mar 18-22, 2018, New Orleans, LA.  
President, "Early Career Investigators in Biological Chemistry." *254th ACS National Meeting*, Aug 20-24, 2017, Washington, D.C.  
Discussion Leader, Gordon Research Conference: Bioorganic Chemistry, Andover, NH, Jun. 5-10, 2016.  
Discussion Leader, Gordon Research Conference: Bioorganic Chemistry, Andover, NH, Jun 8-13, 2014.  
Conference Organizing Committee, *Symposium on RNA Biology XI: RNA Tool and Target*, Oct 16-17, 2015, Durham, NC.

#### Scientific and Broader Community

RNA Society Mentoring Program (2023-present, 1 mentee)  
Co-Lead of Student Mentoring Session; American Chemical Society New Faculty Workshop; August 2021  
Mentor, Women Mentoring Network (2014-present, 2 mentees)  
North Carolina Project SEED Mentor (2021 virtual, 2022 in person)  
North Carolina DNA Day (2017-present)  
Science Action Camp (2014-2017)  
Student Poster Judge, *Annual Biomedical Research Conference for Minority Students (ABRCMS)*, Nov 12-15, 2014, San Antonio Texas and Nov 11-14, 2015, Seattle, Washington

#### University Service and Outreach

Duke Chemistry Department Diversity, Inclusion, and Community Committee (2015-present, Chair 2017-2021, Director 2021-present)  
Center for Biomolecular and Tissue Engineering (Steering Committee, 2022-present)  
Panelist, "Navigating Professional and Personal/Family Challenges During the Pandemic," Faculty Advancement and Success Series, Sep 10, 2021.  
Panelist, "A Strong Start to Teaching and Engaging Your Students," New Faculty Orientation, Aug 19, 2021; Aug 25, 2022.  
Biosciences Collaborative for Research Engagement (BioCoRE) Science Squad Coach, (2014-present)  
Faculty Sponsor: Science under the Stars (2013-present)  
Faculty Sponsor: Duke Alumni weekend (2014-present)  
Faculty Sponsor, *FEMMES Capstone* Outreach Event, (2015-2021, inclusive)  
Faculty Sponsor, *Science Education Outreach Grant*, "Cooking on the Molecular Level." (2014-2015)  
Faculty Sponsor, *Science Action Camp* (Jun 2014, Jun 2017)  
Faculty Representative, *Annual Biomedical Research Conference for Minority Students (ABRCMS)*, Nov 12-15, 2014, San Antonio Texas; Nov 11-14, 2015, Seattle Washington.  
Duke Chemistry Department Seminar Committee (2013-2017)  
Duke Chemistry Department Graduate Student Rotation Committee (2014-2015)

### **VIII. TEACHING EXPERIENCE**

#### Duke University

CHEM 81S: CURE: Discovering patterns in RNA targeting (Spring 2021, 2022, 2024)  
CHEM 201 DL: Organic Chemistry I (Spring 2015, 2016, 2017, 2018)  
CHEM 420: CURE: RNA Structure Classification Using Small Molecule Receptors (Spring 2018, 2019)  
CHEM 511: Chemistry of Biomolecular Interactions (Fall 2014-18,20-23; Spring 2020)  
CHEM 511: Biological Chemistry (Fall 2013)  
BIOCHEM 668: RNA Biology, 2 lectures, (Spring 2022, 2023, 2024)

## **IX. RESEARCH PROGRAM**

### **Research Collaborators**

#### External

Gary Brewer, PhD, Robert Wood Johnson Medical School  
Robert Gifford, PhD, University of Glasgow  
Sebla Kutluay, PhD, Washington University School of Medicine  
Mei-Ling Li, PhD, Robert Wood Johnson Medical School  
Kathryn Mouzakis, PhD, Loyola Marymount University  
Matthieu Schapira, PhD, University of Toronto  
Andrew Tai, MD, PhD, University of Michigan  
Blanton Tolbert, PhD, Case Western Reserve University  
Joseph Yesselman, PhD, University of Nebraska-Lincoln  
Qi Zhang, PhD, University of North Carolina – Chapel Hill

#### Internal (Duke University)

Olanrewaju M. Akande, PhD, Duke SSRI (now Meta)  
Andrew Armstrong, MD, Duke Cancer Institute  
Michael Fitzgerald, PhD, Department of Chemistry  
Jennifer Friedman, PhD, Duke Cancer Institute  
Daniel George, MD, Duke Cancer Institute  
Hashim Al-Hashimi, PhD, Department Biochemistry (now Columbia University)  
Jiaoti Huang, MD PhD, Duke Cancer Institute  
Stephen Patierno, PhD, Duke Cancer Institute  
Daniel Reker, PhD, Department of Biomedical Engineering  
Jason Somarelli, PhD, Duke Cancer Institute  
Pei Zhou, PhD, Department of Biochemistry

### **Current Research Support**

Maximizing Investigator Research Award (MIRA, R35) National Institute of General Medicine <i>Harnessing Small Molecules to Probe the Structure and Function of Long Noncoding RNAs</i>	Hargrove (PI)	09/15/2017 – 07/31/2027
U54 Project Grant / University of Michigan National Institute of Allergy and Infectious Diseases (Alice Telesnitsky, Center PI; Amanda Hargrove, co-I) <i>The Center for HIV RNA Studies (CRNA)</i>	Hargrove (PI, subcontract)	09/15/2017 – 08/31/2027
NSF Major Research Instrumentation Award National Science Foundation <i>MRI: Acquisition of a Microscale Thermophoresis System</i>	Hargrove (PI)	09/01/2022 – 08/31/2025
R21 National Cancer Institute <i>Therapeutic Targeting of The Long Noncoding RNA SCHLAP1 in Aggressive Prostate Cancer</i> Co-PI: Jason Somarelli, Ph.D. (Duke Cancer Institute)	Hargrove (co-PI)	01/12/2023 – 12/31/2024
Alfred P. Sloan Research Fellowship Alfred P. Sloan Foundation	Hargrove (PI)	09/15/2020 – 09/14/2024

*Deciphering patterns in selective small molecule:RNA interactions*

CDMRP Prostate Cancer Research Program Idea Expansion Award Hargrove (PI) 09/01/2020 – 08/31/2024  
United States Army Medical Research Acquisition Activity  
*Small Molecule Targeting of RNAs Driving Tumor Aggressiveness*

NSF CAREER Award Hargrove (PI) 06/01/2018 – 05/31/2024  
National Science Foundation  
*CAREER: Shape-based differentiation of RNA elements using small molecules*

**Past Research Support**

COVID Initiative Award Hargrove (co-PI) 06/15/2020 – 06/14/2023  
Research Corporation for Science Advancement  
*Targeting the SARS-CoV-2 Frameshift site pseudoknot*  
Co-PI: Katie Mouzakis, Ph.D. (Loyola Marymount University)

Movember Foundation – PCF Valor Challenge Award Hargrove (co-PI) 10/12/2018 – 10/11/2022  
Movember Foundation, Prostate Cancer Foundation  
*Targeting RNA Splicing in Race-related Aggressive and Lethal Prostate Cancer*  
Co-PIs: Steven Patierno, PhD; Daniel George, MD; Jennifer Freedman, PhD; Jiaoti Huang, MD PhD.

R21 Hargrove (co-I) 02/12/2020 – 01/31/2022  
National Institute of Allergy and Infectious Diseases  
*Targeting an inactive conformation of HIV-1 TAR*  
PI: Hashim Al-Hashimi, Ph.D.

Cottrell Scholar Award Hargrove (PI) 07/01/2017 – 12/30/2020  
Research Corporation for Science Advancement  
*Harnessing Small Molecule Receptors to Identify Patterns in RNA Structure and Implement a Course-based Interdisciplinary Research Experience Interdisciplinary Research Experience*

CDMRP Prostate Cancer Research Program Idea Award Hargrove (PI) 10/01/2016 – 09/30/2020  
United States Army Medical Research Acquisition Activity  
*PC150506: Small molecule targeting of RNA splice variants driving tumor aggressiveness*

Prostate Cancer Foundation Young Investigator Award Hargrove (PI) 10/12/2015 – 10/12/2019  
Prostate Cancer Foundation  
*Targeting lncRNA SchLAP1 through assembly of multivalent small molecule inhibitors*

3003075767 (Telesnitsky, Prime: 1P50GM103297) Hargrove (PI, subcontract) 05/07/2014 – 08/31/2017  
University of Michigan (Prime: NIGMS)  
*The Center for HIV RNA Studies (CRNA) Collaborative Development Pilot Grant: Synthetic libraries for sampling RNA-targeted chemical space in HIV RNA targets*

Ralph E. Powe Junior Faculty Enhancement Award Hargrove (PI) 06/01/2014 – 05/31/2015  
Oak Ridge Associated Universities  
*Harnessing small molecules to characterize the regulatory activity and therapeutic potential of long noncoding RNAs.*

**Graduate Students**

1. Emma Walter, Department of Chemistry, 1/2023-present

2. Marek Zorawski, Department of Biochemistry (MSTP program), 4/2021-present, Doctoral Candidate
3. TinTin Luu, Department of Chemistry, 1/2021-present, Doctoral Candidate
4. Antonia Bruce, Department of Chemistry, 1/2021-present, Doctoral Candidate
5. Daniel Santana Garcia, Department of Chemistry, 1/2021-present, Doctoral Candidate
6. Justin G. Martyr, Department of Biochemistry, 5/2020-present, Doctoral Candidate
7. Emily Swanson Hay, Department of Chemistry, 1/2020-present, Doctoral Candidate
8. James P. Falese, Department of Biochemistry, 4/2019-present, Doctoral Candidate

### **PhD Graduates and Current Position**

9. Kamillah J. Kassam, Chemistry, 2023
10. Zhengguo (Alex) Cai, Chemistry, 2023, Drug Development Researcher, Deep Potential Technologies (Beijing)
11. Kitae (Mikey) Kwon, Chemistry, 2022, Goodwin Law Firm – Boston
12. Martina Zafferani, Chemistry, 2022, Scientist II at Flagship Pioneering
13. Aline Umuhire Juru, Chemistry, 2021, Postdoctoral Scholar with Dr. Jinwei Zhang, NIH/NIDDK
14. Sarah L. Wicks, Chemistry, 2021, Postdoctoral Scientist at Nucleic Acid Based Drugs (NUBAD), LLC
15. Emily J. McFadden, Biochemistry, 2020, Patent Technical Advisor with Colley LLP
16. Anita Donlic, Chemistry, 2020, Postdoctoral Scholar with Prof. Clifford Brangwynne, Princeton University.
17. Christopher S. Eubanks, Chemistry, 2018, Scientist II, Biopharmaceutical Development Department, KBI Biopharma.
18. Brittany S. Morgan, Chemistry, 2018, Assistant Professor of Chemistry, Notre Dame University

### **Undergraduate Students**

1. Riley Spingler, 2024-present (Duke 2025)
2. Grace Wang, 2023-present (Duke 2026)
3. Josie van de Klashorst, 2023-present (Duke 2025)
4. Kanika Chopra, Summer 2023 (Transylvania University)
5. Jenny Yang, 2022-present (Duke 2025)
6. Annie Qin, 2022-present (Duke 2025)
7. Madison Maille, Summer 2022 (Loyola Marymount University)
8. Christopher D’Inzeo, Summer 2022 (Elon University)
9. Nadeska Montalvan, 2021-present (Duke 2024)
10. Kashyap Sreeram, 2020-present (Duke 2024)
11. Adeline Monaghan, 2020-2022 (Duke 2022)
12. Dhanasheel Muralidharan, 2020-2022 (Duke 2022), Honors Thesis
13. Oluwafikemi Faleye, 2019-2021 (Duke 2021)
14. Noey Boldizar, 2018 (Duke 2021)
15. Alex Wilson, 2018-2020 (Duke 2020), Honors Thesis
16. Rachel Dveirin, 2017-2020(Duke 2020), Honors Thesis
17. Malavika Puri, 2017-2019 (Duke 2019), Honors Thesis
18. Colby Newson, 2017-2018 (Duke 2018), Honors Thesis

19. Diane Karloff, 2016-2018 (Duke 2018), Honors Thesis
20. Carlos Roble, 2016-2018 (Duke 2018), Honors Thesis
21. Angela Liu, 2016-2019 (Duke 2019), Honors Thesis
22. Adina Jan, 2016-2018 (Duke 2018), Honors Thesis
23. Bilva Sanaba, 2016-2019 (Duke 2019), Honors Thesis
24. Dillan Casanova, 2015-2016 (Duke 2016), Honors Thesis
25. Jason Xu, 2015-2017 (Duke 2017), Honors Thesis
26. Rozalina Abramov, Summer 2015 (Queens College, NY)
27. Rebecca Culver, 2014-2017 (Duke 2017), Honors Thesis
28. David Jones, 2014-2015 (Duke 2015), Honors Thesis
29. Jordan Forte, 2014-2015 (Duke 2015), Honors Thesis
30. Barbara Blachut, 2014-2015 (Duke 2015), Honors Thesis
31. Vihasa Govada, 2013-2014 (Duke 2017)
32. Young-Hyun Moon, 2013-2014 (Duke 2016)

### **High School Student**

1. Ogechi Ibe, 2023 Summer (NC ACS Project SEED)
2. Safa Akhter, 2022 Summer (NC ACS Project SEED)
3. Avery Love, 2022 Summer (North Carolina School of Science and Math)
4. Yousef Saleh, 2021 Summer (NC ACS Project SEED)
5. Ashley Smith, 2021 Summer (NC ACS Project SEED)
6. Kevin Liu, 2019 Summer (North Carolina School of Science and Math)
7. Akshay Patel, 2015 Summer (North Carolina School of Science and Math)

### **Postdoctoral Associates**

1. Greta Bagnolini, PhD, 2022-2023; Current Position: Postdoctoral Researcher, Bolognesi MedChem Lab, University of Bologna, Bologna, Italy
2. Giacomo Padroni, PhD, 2018-2020; Current Position: Medicinal Chemistry Scientist, Centre for Targeted Protein Degradation (CeTPD), University of Dundee, Scotland, UK.
3. Sean Piwarski, PhD, 2017-2019; Current Position: Postdoctoral Research Associate, Duke Cancer Institute - GU Oncology, Durham, NC
4. Neeraj N. Patwardhan, PhD, 2014-2018; Current Position: Senior Scientist - Beam Therapeutics Inc., Cambridge, MA
5. Gary J. Kapral, PhD, 2014-2016; Current Position: PhD Posters, Durham, NC

### **Research Scientists and Technicians**

1. Shinya Suzuki, PhD, (Toray Industries), 2022-2023
2. Christopher Laudeman, 2019-2021
3. Shantal Jayawickreme, 2018-2019
4. Jordan Forte, 2015-2018

### **Invited Lectures**

1. University of Wisconsin – Madison; Molecular Virology; Madison, WI; Feb 29, 2024.

2. University of California – San Francisco; San Francisco, CA; Feb 26, 2024.
3. Dartmouth College; Dept. of Chemistry; Hanover, NH; Jan 18, 2024.
4. North American Supramolecular Chemistry Meeting; New Orleans, LA; Dec 18, 2023.
5. Chemical Biology and Physiology Conference 2023; Portland, OR; Dec 16, 2023.
6. 6<sup>th</sup> Annual RNA-targeted Drug Discovery; Boston, MA; Dec 12, 2023.
7. St. Jude Children's Hospital; Dept. of Chemical Biology & Therapeutics; Memphis, TN; Nov 30, 2023.
8. Riboclub Annual Meeting; Sherbrooke, Quebec, Canada; Sep 26, 2023.
9. Center for Molecular Medicine Cologne Symposium; Cologne, Germany; Sep 20, 2023.
10. Gordon Research Conference: High Throughput Chemistry and Chemical Biology; New London, NH; Jul 31 2023.
11. Gordon Research Conference: Nucleic Acids; Newry, ME; Jun 22, 2023.
12. Danish Medicinal Chemistry and Chemical Biology; Copenhagen, Denmark; Jan 17, 2023. Keynote speaker.
13. Genentech; South San Francisco, CA; Jan 10, 2023.
14. 5<sup>th</sup> Annual RNA-targeted Drug Discovery; Boston, MA; Dec 13, 2022.
15. Discovery on Target: RNA targeting; Boston, MA; Oct 18, 2022.
16. 2nd Munich-Leiden Virtual ChemBio Talks; Sept 27, 2022. Online.
17. RNA Therapeutics Institute 2022 Symposium; Boston, MA; Jun 23, 2022.
18. International Symposium on Macrocyclic and Supramolecular Chemistry; Eugene, OR; Jun 19, 2022. Award lecture.
19. NIEHS/NIH Branch Seminar; Online; May 12, 2022.
20. Iowa State University; Dept. of Biochemistry, Biophysics & Molecular Biology; Online; Apr 14, 2022.
21. University of Kansas, Department of Medicinal Chemistry; Lawrence, KS; Mar 31, 2022.
22. ACS Spring 2022 National Meeting, WCC Awards Symposium; San Diego, CA; Mar 22, 2022. Award lecture.
23. University of Nebraska – Lincoln, Department of Chemistry; Online; Feb 11, 2022.
24. Vertex Pharmaceuticals; Online; Jan 26, 27, 2022.
25. PacificChem 2021; Online; Dec 16 & 17, 2021.
26. 10<sup>th</sup> Annual Conference, Society for Scientific Advancement; Online; Nov 18, 2021.
27. University of California – Irvine; Department of Pharmaceutical Sciences; Online; Nov 17, 2021.
28. EMBO/EMBL: The Non-Coding Genome; Online; Oct 15, 2021.
29. Discovery on Target: RNA as a Drug Target; Online; Sep 28, 2021.
30. Texas A&M University, Department of Chemistry; Online; Sep 13, 2021.
31. XXVI EFMC International Symposium on Medicinal Chemistry; Online; Sep 1, 2021.
32. Canadian Chemistry Conference and Exhibition, Montreal, Canada (Online); Aug 16, 2021.
33. University of California – Los Angeles, Department of Chemistry and Biochemistry; Online; May 25, 2021.
34. Keystone Symposium, Non-Coding RNAs: Biology and Applications; Online; May 13, 2021.
35. Drug Discovery Chemistry; Online; May 18, 2021.
36. AbbVie; Online; Apr 29, 2021
37. Langford Lecture, Duke University; Online; April 16, 2021.
38. Swiss Chemical Society, DMCCB Symposium; Online; Feb 4, 2021.
39. 3rd RNA – Digital Targeted Drug Discovery Summit; Online; Dec 9, 2020.
40. RSC Medicinal Chemistry Desktop Seminar Series; Online; Oct 7, 2020.

41. *Nature* Translational Chemical Biology Conference; Oct 5, 2020.
42. #ChemistsLive, ACS Biological Division, Catalysis Science and Technology Division; Online; Sept 25, 2020.
43. 2020 Riboclub Forum; Online. Sep 24, 2020.
44. ACS Fall 2020 National Meeting; Online; Aug 17, 2020.
45. RNA 2020, RNA Society International Meeting; Online; May 26, 2020.
46. University of Delaware; Department of Chemistry and Biochemistry; Newark, DE; Feb 24, 2020.
47. The Pennsylvania State University; Department of Chemistry; University Park, PA; Nov 7, 2019.
48. University of Maryland; Department of Chemistry and Biochemistry; College Park, MD; Oct 15, 2019.
49. Nucleic Acid-Targeted Small Molecule Drug Discovery Consortium; Osaka, Japan; Oct 8, 2019. Keynote speaker.
50. Kyoto University; Department of Chemistry; Kyoto, Japan; Oct 7, 2019.
51. Osaka University; The Institute of Scientific and Industrial Research (ISIR); Department of Regulatory Bioorganic Chemistry; Osaka, Japan; Oct 5, 2019.
52. The Scripps Research Institute; Department of Chemistry; La Jolla, CA; Jul 16, 2019.
53. Structural Biology Related to HIV/AIDS – 2019, National Institutes of Health; Bethesda, MD; Jun 27, 2019.
54. Gordon Research Conference: Nucleosides, Nucleotides, and Oligonucleotides; Newport, RI; Jun 24, 2019.
55. Pfizer, Inc; Emerging Science & Innovation; Cambridge, MA; Jun 21, 2019.
56. University of Massachusetts Amherst; Department of Chemistry; Amherst, MA; Apr 25, 2019.
57. Boston College; Department of Chemistry; Chestnut Hill, MA; Apr 23, 2019.
58. California Institute of Technology; Division of Chemistry and Chemical Engineering; Pasadena, CA; Apr 17, 2019.
59. ACS Spring 2019 National Meeting; Orlando, FL. Mar 31; Apr 2, 2019.
60. Memorial Sloan Kettering Cancer Center; Chemical Biology Program; New York, NY; Mar 13, 2019.
61. New York University; Department of Chemistry; New York, NY; Mar 12, 2019.
62. Wayne State University; Department of Chemistry; Detroit, MI; Mar 8, 2019.
63. Michigan State University; Department of Chemistry; East Lansing, MI; Mar 6, 2019.
64. University of Michigan; Department of Chemistry; Ann Arbor, MI; Mar 5, 2019.
65. University of Illinois at Urbana-Champaign; Department of Chemistry; Urbana, IL; Feb 25, 2019.
66. University of Utah; Department of Chemistry; Salt Lake City, UT; Feb 21, 2019.
67. Texas A&M University; Department of Chemistry; College Station, TX; Feb 1, 2019.
68. University of Texas at Austin; Department of Chemistry; Austin, TX. Jan 28, 2019.
69. University of Pennsylvania; Department of Chemistry; Philadelphia, PA. Jan 24, 2019. Student invited.
70. Phillips Universität Marburg; Fachbereich Chemie; Marburg, Germany; Jan 18, 2019.
71. Johann Wolfgang Goethe Universität; Institut für Organische Chemie und Chemische Biologie; Frankfurt, Germany; Jan 17, 2019.
72. Bayer Pharma, Medicinal Chemistry; Berlin, Germany; Jan 15, 2019.
73. University of Rochester, Department of Biochemistry and Biophysics / RNA Center / Graduate Women in Science; Rochester, NY. Nov 14-15, 2018. Student invited.
74. University of California, Irvine, Department of Chemistry; Irvine, CA. Oct 31, 2018.
75. University of California, San Diego, Department of Chemistry and Biochemistry; La Jolla, CA. Oct 29, 2018.
76. Center for HIV RNA Studies (CRNA) Retreat; Ann Arbor, MI, Oct 18, 2018.

77. Virginia Tech, Department of Chemistry; Blacksburg, VA. Sep 21, 2018.
78. 256<sup>th</sup> ACS National Meeting; Boston, MA. Aug 19, 2018.
79. 13<sup>th</sup> International Symposium on Macrocyclic and Supramolecular Chemistry; Quebec City, Canada, Jul 9, 2018. *ChemComm Emerging Investigator Lectureship*. Award lecture.
80. National Cancer Institute, Chemical Biology Laboratory; Frederick, MD, Jun 27, 2018.
81. Gordon Research Conference: Bioorganic Chemistry; Andover, NH, Jun 15, 2018.
82. Experimental Biology 2018; San Diego, CA. Apr 22, 2018.
83. Case Western Reserve University, Department of Chemistry; Cleveland, OH. Apr 5, 2018.
84. John Carroll University, Department of Chemistry; Cleveland, OH. Apr 4, 2018.
85. Xavier University, Department of Chemistry; New Orleans, LA. Mar 22, 2018.
86. 255<sup>th</sup> ACS National Meeting; New Orleans, LA. Mar 18, 20, 2018.
87. Colorado State University, Department of Chemistry; Fort Collins, CO, Feb 26, 2018.
88. St. Louis University, Department of Chemistry; St. Louis, MO, Jan 19, 2018.
89. University of North Carolina, Department of Chemical Biology and Medicinal Chemistry; Chapel Hill, NC, Dec 6 2017.
90. University of Minnesota, Chemical Biology Colloquium Series; Minneapolis, MN, Dec 4, 2017.
91. North Carolina State University; Chemistry Department; Raleigh, NC, Nov 8, 2017.
92. The Southeastern Regional Meeting of the American Chemical Society; Charlotte, NC, Nov 8, 2017.
93. Center for HIV RNA Studies (CRNA) Retreat; Ann Arbor, MI, Oct 2, 2017.
94. Creighton University Chemistry Department; Omaha, NE, Sep 28, 2017.
95. Targeting RNA Using Small Molecules, New York Academy of Sciences; New York, New York. Sep 26, 2017.
96. Georgia State University Chemistry Department; Atlanta, GA, Sep 22, 2017.
97. 254<sup>th</sup> ACS National Meeting; Washington, D.C. Aug 20-24, 2017.
98. Arrakis Therapeutics; Wortham, MA, Aug 2, 2017.
99. Structural Biology Related to HIV/AIDS – 2017, National Institutes of Health; Bethesda, MD, Jun 29, 2017.
100. Gordon Research Conference: Nucleic Acids; Biddeford, ME, Jun 8, 2017.
101. 22nd Annual Meeting of the RNA Society; Prague, Czech Republic. Jun 2, 2017.
102. 4th Annual Symposium on RNA Science and its Applications, University of Albany; Albany, NY, Mar 17, 2017.
103. University of Virginia Cancer Center; Charlottesville, VA, Nov 18, 2016.
104. Center for HIV RNA Studies (CRNA) Retreat; Ann Arbor, MI, Sep 29, 2016.
105. 251<sup>st</sup> American Chemical Society National Meeting; San Diego, CA, Mar 16, 2016.
106. North Carolina Symposium on RNA Biology XI; Durham, NC, Oct 17, 2015.
107. Center for HIV RNA Studies (CRNA) Retreat; Ann Arbor, MI, Sep 29, 2014.
108. Guest Lecture. Organic 3 Block Class; Colorado College, Sep 18, 2014.
109. Trinity University Chemistry Research Symposium; San Antonio, TX, Jun 6, 2014.

#### Other Conference Presentations (selected)

1. Hargrove, Amanda E. "Modulating the conformations and functions of disease-relevant RNA with small molecules." 2022 Chinese-American Kavli Frontiers of Science (Invitation Only), National Academy of Science, Irvine, CA. July 8-10, 2022.

2. Hargrove, Amanda E.; McFadden, Emily J.; Morgan, Brittany S.; Forte, Jordan E.; Patwardhan, Neeraj N.; Eubanks, Christopher S.; Sahu, Anirban; Chinnaiyan, Arul; Feng, Felix. "Targeting the lncRNA SChLAP1 in aggressive prostate cancer by the assembly of multivalent small molecule inhibitors." Prostate Cancer Foundation Scientific Retreat (Invitation Only), Washington, D.C. Oct. 5-7, 2017.
3. Hargrove, Amanda E.; Donlic, Anita. "Development of Chemical Probes and High-Throughput Screening Strategies to Target an Oncogenic RNA Triple Helix." Gordon Research Conference: Bioorganic Chemistry, Andover, NH, Jun 11-16, 2017.
4. Hargrove, Amanda E.; McFadden, Emily J.; Morgan, Brittany S.; Forte, Jordan E.; Patwardhan, Neeraj N.; Ganser, Laura; Eubanks, Christopher S.; Al-Hashimi, Hashim M; Sahu, Anirban; Chinnaiyan, Arul; Feng, Felix. "Targeting the lncRNA SChLAP1 in aggressive prostate cancer by the assembly of multivalent small molecule inhibitors." Prostate Cancer Foundation Scientific Retreat (Invitation Only), Carlsbad, CA. Oct. 26-29, 2016.
5. Hargrove, Amanda E. "Approaches to Tame Intractable Targets." *Discussion leader*, Gordon Research Conference: Bioorganic Chemistry, Andover, NH, Jun. 5-10, 2016.
6. Hargrove, Amanda E.; Eubanks, Christopher S.; Kapral, Gary J.; Forte, Jordan E. "Small molecule-based pattern recognition to classify RNA structure." Gordon Research Conference: Bioorganic Chemistry, Andover, NH, Jun. 5-10, 2016.
7. Hargrove, Amanda E. Patwardhan, Neeraj N.; Ganser, Laura; Kapral Gary J.; Eubanks, Christopher S.; Shakya, Anisha; Al-Hashimi, Hashim M; Sahu, Anirban; Chinnaiyan, Arul; Feng, Felix. "Targeting the lncRNA SChLAP1 in aggressive prostate cancer by the assembly of multivalent small molecule inhibitors." Prostate Cancer Foundation Scientific Retreat (Invitation Only), Washington, D.C., Oct. 8-9, 2015.
8. Hargrove, Amanda E.; Patwardhan, Neeraj N.; Ganser, Laura; Kapral Gary J.; Eubanks, Christopher S.; Lee, Janghyun; Sathyamoorthy, Bharathwaj; Al-Hashimi, Hashim M. "Expansion of a novel RNA-binding scaffold to target HIV-1 TAR RNA." Structural Biology Related to HIV/AIDS, Bethesda, MD, Jun 18-19, 2015.
9. Hargrove, Amanda E. "Exploring Chemical Space for Small Molecule RNA Targeting." Gordon Research Conference: Bioorganic Chemistry, Andover, NH, Jun. 7-12, 2015.
10. Hargrove, Amanda E. "Carbohydrates in Life and Medicine." *Discussion Leader*, Gordon Research Conference: Bioorganic Chemistry, Andover, NH, Jun 8-13, 2014.