

George P. Lisi

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1. Education

Dartmouth College

Ph.D., Chemistry (Mentors: D.E. Wilcox & E.V. Pletneva)

Hanover, NH
2014

Fairfield University

B.Sc., Chemistry

Fairfield, CT
2009

2. Employment

Brown University & Warren Alpert Medical School

Department of Molecular Biology, Cell Biology & Biochemistry

- Associate Professor (*tenured*)
- Thomas J. & Alice M. Tisch Assistant Professor
- Assistant Professor (*appointed 9/1/2018*)

Providence, RI

2025 - Present
2023 - 2024
2018 - 2024

Department of Chemistry

- Affiliate Faculty Member

2023 - Present

Giuliani RNA Center at Brown University

- Faculty Investigator

2023 - Present

Yale University

Department of Chemistry

- Postdoctoral Fellow (Mentor: J. P. Loria)

New Haven, CT

2014 - 2018

3. Publications

* Corresponding author(s) # Equal contributors Lisi lab trainee

In preparation

(73) Shalas, A.F.; Wu, Z.; Mercado, B.J.; Cool, R.H.; Poelarends, G.J.; **Lisi, G.P.**; Dekker, F.J.* "Discovery of 4-(3(trifluoromethyl)phenyl)-1H-pyrazole as a Novel Scaffold for MIF Inhibition" *Manuscript in preparation*

(72) Widjaja, V.; Molina, C.E.; Purslow, J.A.; Mercado, B.J.; Varghese, I.; D’Orazio, S.M.; Skeens, E.; **Lisi, G.P.***; Roche, J.* "High-pressure NMR Studies of the Macrophage Migration Inhibitory Factor Trimer Provide Atomic Details of its Elusive Monomer Structure" *Manuscript in preparation*

(71) Martinez-Guzman, M.; Belato, H.B.; Nagle, I.; Chaubey, M.; Rose, T.G.; Knight, A.L.; Fick, O.; **Lisi, G.P.**; Kizer, M.E.* "Structural Characterization of the Novel Sso7d-based Glycan Binding Protein’s Molecular Determinants of Ligand Recognition" *Manuscript in preparation*

Pre-prints, under review, or in revision

(70) Molina, C.E.[#]; Ahsan, M.[#]; Saha, A.; East, K.W.; Luo, J.; Weling, A.; Duarte, O.; Palermo, G.*; **Lisi, G.P.*** "Atomic Details of the FnCRISPR-Cas12a NUC Domain Reveal Allosteric Hotspots Affecting DNA Binding and Cleavage" *Manuscript under review*

(69) Ahsan, M.[#]; Knight, A.L.[#]; Saha, A.; Ramos, D.; Strohkendl, I.; Skeens, E.; West, M.S.; Luo, J.; Dresser, C.S.; Taylor, D.W.; **Lisi, G.P.***; Palermo, G.* "A Cryptic Binding Pocket Regulates the Metal-dependent Activity of Cas9" *Revised manuscript under review*

(68) Manjula, R.[#]; Ghanem, L.[#]; Skeens, E.; Bai, L.; **Lisi, G.P.**; Lolis, E.J.*; Bennett, A.M.* "Molecular Characterization of the a4-a5 Loop in MKP5 Phosphatase Identifies Critical Determinants of Catalysis" *Manuscript under review*

(67) Knight, A.L.[#]; Belato, H.B.[#]; Dresser, C.S.; Pindi, C.; Arantes, P.R.; Mercado, B.J.; Lasekan, P.; Luo, J.; Jogl, G.*; Palermo, G.*; **Lisi, G.P.*** "Orthosteric and Allosteric Effects of Anti-CRISPR II-C1 on GeoCas9 from Integrated Structural Biophysics" *Manuscript under review*

(66) Mantsounga, C.S.; Pierce, J.; Clark, M. E.; Farinha, A.; Sharma, S.; Uppuluri, S.; Rados, T.; Caballero, O.; Neverson, J.; Lee, C.; Amelotte, E.; Butler, C.A.; Fedulov, A.V.; Sellke, F.W.; Choudhary, G.; **Lisi, G.P.**; Morrison, A.R.* "Aging Impairs

Inflammatory Arteriogenesis by Disruption of Proangiogenic VEGF-A mRNA Stability Conferred by Epigenetically Controlled Dicer1 Dose-sensitive miR-29” *Manuscript under review*

- (65) Handelman, C.R. Skeens, E.; **Lisi, G.P.**; Buck, M.J.* “Evaluating High-fidelity CRISPR-Cas Nucleases in Nucleosomal Contexts using a Quantitative Framework” *Frontiers in Genome Editing*. **2026**. *In final revision*
- (64) Cui, D.S.; Anderson, E.O.; Zavala, E.; **Lisi, G.P.**; Loria, J.P.* “Facilitating NMR Resonance Assignment with Metabolic Tampering” *bioRxiv*. **2026**. DOI: 10.64898/2026.04.29.721603
- (63) East, K.W.; Leith, A.; Ragavendran, A.; Delaglio, F.; **Lisi, G.P.*** “NMRdock: Lightweight and Modular NMR Processing” *bioRxiv*. **2019**. DOI: 10.1101/679688. (**preprint only, not peer reviewed)

Published or in press

- (62) Cui, J.Y.[#]; Varghese, I.[#]; Bock, A.S.; Floody, M.; Zhang, F.; Rubenstein, B.M.; **Lisi, G.P.*** “Exploring a Histidine Triad as a Modulator of Structure, Molecular Motion, and Ligand Binding in GM-CSF” *RSC Chemical Biology*. **2026**. DOI: 10.1039/D6CB00019C
- (61) Molina, C.E.; Knight, A.L.; **Lisi, G.P.*** “Comparative Thermodynamic and Kinetic Properties Governing the Nucleic Acid Interactions of CRISPR-Cas9 and Cas12a” *Physical Biology*. **2026**. 23. 021001-021012
- (60) Wu, Z.; Widjaja, V.; Skeens, E.; van der Velde, J.J.H.; Zahran, M.; Zhang, J.; Cool, R.H.; Poelarends, G.J.; **Lisi, G.P.**; Dekker, F.J.* “Discovery of Furan-2-carboxylic Acid Derivatives as Novel D-dopachrome Tautomerase (D-DT) and Macrophage Migration Inhibitory Factor-1 (MIF-1) Dual Inhibitors” *Journal of Medicinal Chemistry*. **2026**. 69. 5712-5728
- (59) **Lisi, G.P.*** “Disorder, Dynamics, and Regulation of Proteins and Nucleic Acids” *Journal of Structural Biology*. **2026**. 218. 108258
- (58) Vieyra, F.H.[#]; Pindi, C.[#]; **Lisi, G.P.**; Morzan, U.N.*; Palermo, G.* “Design Rules for Expanding PAM Compatibility in CRISPR-Cas9 from the VQR, VRER, and EQR Variants” *Journal of Physical Chemistry B*. **2025**. 129. 11949-11958
- (57) Widjaja, V.; D’Orazio, S.; Das, P.; Rajendran, D.T.; Takada, X.; Shi, Y.; Varghese, I.; Lam, Y.; DaSilva, N.; Wang, J.; Batista, V.S.; Bhandari, V.; **Lisi, G.P.*** “Atomistic Modulation of MIF-2 Structure, Catalysis, and Biological Signaling via Cysteine Residues and a Small Molecule, Ebselen” *Protein Science*. **2025**. 34. e70344-e70359
- (56) Knight, A.L.; Luo, J.; **Lisi, G.P.*** “Assessing Temperature-dependent DNA Cleavage of CRISPR-Cas9” *Bio-protocols*. **2025**. 15. e5463-e5474
- (55) Skeens, E.[#]; Maschietto, F.[#]; Manjula, R.; Shillingford, S.; Murphy, J.W.; Lolis, E.J.; Batista, V.S.; Bennett, A.M.*; **Lisi, G.P.*** “Dynamic and Structural Insights into Allosteric Regulation on MKP5/DUSP10, a Dual-specificity Phosphatase” *Nature Communications*. **2025**. 16. 7011-7024
- (54) Knight, A.L.; **Lisi, G.P.*** “Spy-ing on Nucleic Acids: Atomic Resolution of the *S. pyogenes* CRISPR-Cas9 Surveillance State” *Structure*. **2025**. 33. 636-638
- Structure Spotlight
- (53) Clark, M.E.; Farinha, A.; Morrison, A.R.*; **Lisi, G.P.*** “Structural, Biological, and Biomedical Implications of mRNA Interactions with the Master Regulator HuR” *NAR Molecular Medicine*. **2025**. DOI: 10.1093/narmme/ugaf002
- (52) Belato, H.B.[#]; Knight, A.L.[#]; D’Ordine, A.M.; Pindi, C.; Fan, Z.; Luo, J.; Palermo, G.; Jogl, G.; **Lisi, G.P.*** “Structural and Dynamic Impacts of Single-atom Disruptions to Guide RNA Interactions within the Recognition Lobe of *Geobacillus stearothermophilus* Cas9” *eLife*. **2024**. 13. RP99275-RP99296
- (51) Sajko, S.; Skeens, E.; Shinagl, A.; Ferhat, M.; Mirkina, I.; Mayer, J.; Rossmueller, G.; Thiele, M.*; **Lisi, G.P.*** “Redox-dependent Plasticity of oxMIF Facilitates its Interaction with CD74 and Therapeutic Antibodies” *Redox Biology*. **2024**. 75. 103264-103278
- (50) Monteiro da Silva, G.; Cui, J.Y.; Dalgarno, D.C.; **Lisi, G.P.**; Rubenstein, B.M.* “High-throughput Prediction of Protein Conformational Distributions with Subsampled AlphaFold2” *Nature Communications*. **2024**. 15. 2464-2476
- Press: Blavatnik Family Foundation – New Technique for Predicting Protein Dynamics May Prove Big Breakthrough for Drug Discovery
- (49) Skeens, E.[#]; Sinha, S.[#]; Ahsan, M.; D’Ordine, A.M.; Jogl, G.; Palermo, G.*; **Lisi, G.P.*** “High Fidelity, Hyper Accurate, and Evolved Mutants Rewire Atomic Level Communication in CRISPR-Cas9” *Science Advances*. **2024**. 10. ead11045-1056

- (48) Wang, J.*; Maschietto, F.; Qiu, T.; Arantes, P.R.; Skeens, E.; Palermo, G.*; **Lisi, G.P.***; Batista, V.S.* “Substrate-independent Activation Pathways of the CRISPR-Cas9 HNH Nuclease” *Biophysical Journal*. **2023**. 122. 4635-4644
- (47) Knight, A.L.#; Widjaja, V.#; **Lisi, G.P.*** “Temperature as a Modulator of Allosteric Crosstalk in Mesophilic and Thermophilic Enzymes” *Frontiers in Molecular Biosciences*. **2023**. DOI: 10.3389/fmolb.2023.1281062
- Thematic issue – Allosteric Functions and Inhibitions: Structural Insights
- (46) Chen, E.#; Widjaja, V.#; Kyro, G.; Allen, B.; Das, P.; Prahaldan, V.M.; Bhandari, V.; Lolis, E.J.; Batista, V.S.*; **Lisi, G.P.*** “Mapping N- to C-terminal Allosteric Coupling through Disruption of a Putative CD74 Activation Site in D-dopachrome Tautomerase” *Journal of Biological Chemistry*. **2023**. 299. 104729-104740
- (45) Parkins, A.; Chen, E.; Rangel, V.; Singh, M.; Xue, L.; **Lisi, G.P.**; Pantouris, G.* “Ligand-induced Conformational Changes Enable Intersubunit Communication in D-dopachrome Tautomerase” *Biophysical Journal*. **2023**. 122. 1268-1276
- (44) Belato, H.B.; **Lisi, G.P.*** “The Many (Inter)faces of Anti-CRISPRs: Modulation of CRISPR-Cas Structure and Dynamics by Mechanistically Diverse Inhibitors” *Biomolecules*. **2023**. 13. 264-277
- Feature paper – Molecular Structure and Dynamics
- (43) Maschietto, F.; Qiu, T.; Wang, J.*; Shi, Y.; Allen, B.; **Lisi, G.P.**; Lolis, E.; Batista, V.S.* “Valproate Coenzyme-A Conjugate Blocks Opening of Receptor Binding Domain in the Spike Trimer of SARS-CoV-2 by an Allosteric Mechanism” *Computational and Structural Biotechnology Journal*. **2023**. 21. 1066-1076
- (42) Skeens, E.; **Lisi, G.P.*** “Analysis of Coordinated Chemical Shifts to Map Allosteric Regulatory Networks in Proteins” *Methods*. **2023**. 209. 40-47.
- Thematic issue - New Methods in Biomolecular NMR Spectroscopy
- (41) Wang, J.*; Arantes, P.R.; Ahsan, F.M.; Sinha, S.; Kyro, G.W.; Maschietto, F.; Allen, B.; Skeens, E.; **Lisi, G.P.***; Batista, V.S.*; Palermo, G.* “Twisting and Swiveling Domain Motions in Cas9 to Recognize Target DNA Duplexes, Make Double-stranded Breaks, and Release Cleaved Duplexes” *Frontiers in Molecular Biosciences*. **2023**. DOI: 10.3389/fmolb.2022.1072733.
- (40) Fredericks, A.M.#; East, K.W.#; Shi, Y.#; Liu, J.; Maschietto, F.; Ayala, A.; Cioffi, W.G.; Cohen, M.; Fairbrother, W.G.; Lefort, C.T.; Nau, G.J.; Levy, M.M.; Wang, J.; Batista, V.S.; **Lisi, G.P.***; Monaghan, S.F.* “Identification and Mechanistic Basis of Non-ACE2 Blocking Neutralizing Antibodies from COVID-19 Patients with Deep RNA Sequencing and Molecular Dynamics Simulations” *Frontiers in Molecular Biosciences* **2022**. DOI: 10.3389/fmolb.2022.1080964.
- (39) Belato, H.B.; Norbrun, C.; Luo, J.; Pindi, C.; Sinha, S.; D’Ordine, A.M.; Jogl, G.; Palermo, G.*; **Lisi, G.P.*** “Disruption of Electrostatic Contacts in the HNH Nuclease from a Thermophilic Cas9 Rewires Allosteric Motions and Enhances High-temperature DNA Cleavage” *Journal of Chemical Physics* **2022**. 157. 225103-225113.
- Thematic collection - New Views of Allostery
- (38) Wang, J.*; Liu, J.; Gisriel, C.J.; Wu, S.; Maschietto, F.; Flesher, D.A.; Lolis, E.; **Lisi, G.P.**; Brudvig, G.W.; Xiong, Y.; Batista, V.S. “How to Correct Relative Voxel Scale Factors for Calculations of Vector-difference Fourier Maps in Cryo-EM” *Journal of Structural Biology*. **2022**. 214. 107902-107915.
- (37) Nierzwicki, L.; East, K.W.; Binz, J.; Hsu, R.V.; Arantes, P.R.; Ahsan, M.; Skeens, E.; Pacesa, M.; Jinek, M.; **Lisi, G.P.***; Palermo, G.* “Principles of Target DNA Cleavage and the Role of Mg²⁺ in the Catalysis of CRISPR-Cas9” *Nature Catalysis*. **2022**. 5. 912-922.
- (36) Wang, J.*; Shi, Y.; Reiss, K.; Maschietto, F.; Lolis, E.; Konigsberg, W.H.; **Lisi, G.P.**; Batista, V.S.* “Structural Insights into Binding of Remdesivir Triphosphate within the Replication-transcription Complex of SARS-CoV-2” *Biochemistry* **2022**. 61. 1966-1973.
- (35) Wang, J.*; Skeens, E.; Arantes, P.; Maschietto, F.; Allen, B.; **Lisi, G.P.***; Palermo, G.*; Batista, V.S.* “Structural Basis for Reduced Dynamics of Three Engineered HNH Endonuclease Lys-to-Ala Mutants of the Cas9 Enzyme” *Biochemistry* **2022**. 61. 785-794.
- (34) **Lisi, G.P.***; Rivalta, I.*; Venditti, V.* “Editorial: Structural and Dynamic Aspects of Protein Function and Allostery” *Frontiers in Molecular Biosciences* **2022**. DOI: 10.3389/fmolb.2022.876499.
- (33) Wang, J.*; Shi, Y.; Reiss, K.; Allen, B.; Maschietto, F.; Lolis, E.; Konigsberg, W.H.; **Lisi, G.P.**; Batista, V.S.* “Insights into the Binding of Single-stranded Viral RNA Template to the Replication-transcription Complex of SARS-CoV-2 for the Priming Reaction from Molecular Dynamics Simulations” *Biochemistry* **2021**. 61. 424-432.
- (32) Skeens, E.; Gadzuk-Shea, M.M.; Shah, D.; Bhandari, V.; Schweppe, D.K.; Berlow, R.B.*; **Lisi, G.P.*** “Redox-dependent Structure and Dynamics of Macrophage Migration Inhibitory Factor Reveal Sites of Latent Allostery” *Structure* **2022**. 30. 840-

- Commentary in "Cytokine Aerobics: Oxidation Controls Cytokine Dynamics and Function" *Structure* 2022

- (31) Skeens, E.#; Pantouris, G.#; Shah, D.; Ombrello, M.J.; Maluf, N.K.; Bhandari, V.; **Lisi, G.P.***; Lolis, E.J.* "A Cysteine Variant at an Allosteric Site in MIF Alters Protein Dynamics and Biological Function in Homo- and Heterotrimeric Assemblies" *Frontiers in Molecular Biosciences* **2022**. 9. DOI: 10.3389/fmolb.2022.783669.
- (30) Nierzwicki, L.#; East, K.W.#; Morzan, U.N.; Arantes, P.R.; Batista, V.S.; **Lisi, G.P.***; Palermo, G.* "Enhanced Specificity Mutations Perturb Allosteric Signaling in CRISPR-Cas9" *eLife* **2021**. 10. e73601.
- Journal Cover Art
- (29) Belato, H.B.; D'Ordine, A.M.; Nierzwicki, L.; Jogl, G.; Palermo, G.*; **Lisi, G.P.*** "Structural and Dynamic Insights into the HNH Nuclease of Divergent Cas9 Species" *Journal of Structural Biology* **2021**. 214. 107814-107824.
- (28) Cui, J.Y.; **Lisi, G.P.*** "Molecular Level Insights into the Structural and Dynamic Factors Driving Cytokine Function" *Frontiers in Molecular Biosciences* **2021**. 8. 10.3389/fmolb.2021.773252.
- Thematic collection – Structural and Dynamic Aspects of Protein Function and Allostery
- (27) Parkins, A.; Skeens, E.; McCallum, C.M.; **Lisi, G.P.***; Pantouris, G.* "The N-terminus of MIF Regulates the Dynamic Profile of Residues Involved in CD74 Activation" *Biophysical Journal* **2021**. 120. 1-8.
- (26) Chen, E.; Reiss, K.; Shah, D.; Ramu, M.; Murphy, E.L.; Murphy, J.W.; Batista, V.S.; Bhandari, V.; Lolis, E.J.; **Lisi, G.P.*** "A Structurally Preserved Allosteric Site in the MIF Superfamily Affects Enzymatic Activity and CD74 Activation in D-dopachrome Tautomerase" *Journal of Biological Chemistry* **2021**. 297. 101061-101073.
- (26) Wang, J.*; Reiss, K.; Shi, Y.; Lolis, E.; **Lisi, G.P.**; Batista, V.S.* "Inhibition Mechanism of Remdesivir on Reproduction of SARS-CoV-2 and Ebola Virus" *Biochemistry* **2021**. 60. 1869-1875.
- (24) East, K.W.; Delaglio, F.; **Lisi, G.P.*** "A Simple Approach for Reconstruction of Non-uniformly Sampled Pseudo-3D NMR Data for Accurate Measurement of Spin Relaxation Parameters" *Journal of Biomolecular NMR* **2021**. 75. 213-219.
- (23) Skeens, E.#; East, K.W.#; **Lisi, G.P.*** "¹H, ¹³C ¹⁵N Backbone Resonance Assignment of the Recognition Subdomain 3 (Rec3) from *Streptococcus pyogenes* CRISPR-Cas9" *Biomolecular NMR Assignments* **2020**. 15. 25-28.
- (22) Murphy, J.W.; Rajasekaran, D.; Merkel, J.; Skeens, E.; Keeler, C.; Hodsdon, M.; **Lisi, G.P.**; Lolis, E.* "High-throughput Screening of a Functional Human CXCL12-CXCR4 Signaling Axis in a Genetically Modified *S. cerevisiae*: Discovery of a Novel Up-regulator of CXCR4 Activity" *Frontiers in Molecular Biosciences* **2020**. 7. DOI: 10.3389/fmolb.2020.00164
- (21) Pantouris, G.*; Khurana, L.; Ma, A.; Skeens, E.; Reiss, K.; Batista, V.S.; **Lisi, G.P.***; Lolis, E.J.* "Regulation of MIF Activity by an Allosteric Site at the Central Solvent Channel" *Cell Chemical Biology* **2020**. 27. 740-750.
- (20) Cui, J.Y.; Zhang, F.; Nierzwicki, L.; Palermo, G.; Linhardt, R.J.; **Lisi, G.P.*** "Mapping the Structural and Dynamic Determinants of pH-sensitive Heparin Binding to Granulocyte Macrophage-colony Stimulating Factor" *Biochemistry* **2020**. 59. 3541-3553.
- (19) East, K.W.; Newton, J.C.; Morzan, U.N.; Narkhede, Y.B.; Acharya, A.; Skeens, E.; Jogl, G.; Batista, V.S.; Palermo, G.*; **Lisi, G.P.*** "Allosteric Motions of the CRISPR-Cas9 HNH Nuclease Probed by NMR and Molecular Dynamics" *Journal of the American Chemical Society* **2020**. 142. 1348-1358.
- Recognized as one of the most cited JACS articles of 2020-2021
- Editor's selection for JACS 2021 virtual issue dedicated to outstanding early career investigators
- Highlighted in "Allosteric Control of Enzyme Activity: From Ancient Origins to Recent Genome-editing Technologies" *Biochemistry* 2020
- (18) East, K.W.; Skeens, E.; Cui, J.Y.; Belato, H.B.; Mitchell, B.; Hsu, R.; Batista, V.S.; Palermo, G.; **Lisi, G.P.*** "NMR and Computational Methods for Molecular Resolution of Allosteric Pathways in Enzyme Complexes" *Biophysical Reviews*. **2020**. 12. 155-174.
- (17) Belato, H.B.#; East, K.W.#; **Lisi, G.P.*** "¹H, ¹³C, ¹⁵N Backbone and Side Chain Resonance Assignments of the HNH Nuclease from *Streptococcus pyogenes* CRISPR-Cas9" *Biomolecular NMR Assignments*. **2019**. 13. 367-370.
- (16) Negre, C.F.A.*; Morzan, U.N.*; Hendrickson, H.P.; Pal, R.; **Lisi, G.P.**; Loria, J.P.; Rivalta, I.*; Batista, V.S.* "Eigenvector Centrality for Characterization of Protein Allosteric Pathways" *PNAS*. **2018**. 115. E12201-E12208.
- (15) **Lisi, G.P.**; Currier, A.A.; Loria, J.P.* "Glutamine Hydrolysis by Imidazole Glycerol Phosphate Synthase Displays Temperature-Dependent Allosteric Activation" *Frontiers in Molecular Biosciences*. **2018**. 5. DOI: 10.3389/fmolb.2018.0004

- (14) **Lisi, G.P.***; Loria, J.P.* “Allostery in Enzyme Catalysis” *Current Opinion in Structural Biology*. **2017**. 47. 123-130.
- Thematic issue – *Catalysis and Regulation*
- (13) **Lisi, G.P.**; East, K.W.; Batista, V.S.; Loria, J.P.* “Altering the Allosteric Pathway in IGPS Suppresses Millisecond Motions and Catalytic Activity” *PNAS*. **2017**. 114. E3414-E3423.
- (12) Rivalta, I.*; **Lisi, G.P.**; Snoeberger, N.-S.; Manley, G.A.; Loria, J.P.*; Batista, V.S.* “Allosteric Communication Disrupted by a Small Molecule Binding to the Imidazole Glycerol Phosphate Synthase Protein-Protein Interface” *Biochemistry*. **2016**. 55. 6484-6494.
- (11) **Lisi, G.P.**; Hughes, R.P.; Wilcox, D.E.* “Coordination Contributions to Protein Stability in Metal-Substituted Carbonic Anhydrase” *Journal of Biological Inorganic Chemistry*. **2016**. 21. 659-667.
- (10) **Lisi, G.P.**; Manley, G.A.; Hendrickson, H.; Rivalta, I.; Batista, V.S.; Loria, J.P.* “Dissecting Dynamic Allosteric Pathways using Chemically Related Small Molecule Activators” *Structure*. **2016**. 24. 1155-1166.
- Feature article
- (9) **Lisi, G.P.***; Loria, J.P.* “Solution NMR Spectroscopy for the Study of Enzyme Allostery” *Chemical Reviews*. **2016**. 116. 6323-6369.
- Thematic issue – *Protein Ensembles and Allostery*
- (8) **Lisi, G.P.**; Loria, J.P.* “Using NMR Spectroscopy to Elucidate the Role of Molecular Motions in Enzyme Function” *Progress in NMR Spectroscopy*. **2016**. 92-93. 1-17.
- (7) Amacher, J.F.; Zhong, F.; **Lisi, G.P.**; Zhu, M.Q.; Alden, S.L.; Hoke, K.H.; Madden, D.R.; Pletneva, E.V.* “A Compact Structure of Cytochrome *c* Trapped in a Lysine-Ligated State: Loop Refolding and Functional Implications of a Conformational Switch” *Journal of the American Chemical Society*. **2015**. 137. 8435-8449.
- (6) **Lisi, G.P.**; Png, C.Y.M.; Wilcox, D.E.* “Thermodynamic Contributions to the Stability of the Insulin Hexamer” *Biochemistry*. **2014**. 53. 3576-3584.
- (5) Zhong, F.; **Lisi, G.P.**; Collins, D.P.; Dawson, J.H.; Pletneva, E.V.* “Redox-Dependent Stability, Protonation, and Reactivity of Cysteine-Bound Heme Proteins” *PNAS*. **2014**. 111. E306-E315.
- (4) Harper-Leatherman, A.S.*; Iftikhar, M.; Ndoi, A.; Scappaticci, S.J.; **Lisi, G.P.**; Buzard, K.L.; Garvey, E.M. “Simplified Procedure for Encapsulating Cytochrome *c* in Silica Aerogel Nanoarchitectures While Retaining Gas-Phase Bioactivity” *Langmuir*. **2012**. 28. 14756-14765.
- (3) Miecznikowski, J.R.*; Lo, W.; Lynn, M.A.; Jain, S.; Keilich, L.C.; Kloczko, N.F.; O’Loughlin, B.E.; DiMarzio, A.P.; Foley, K.M.; **Lisi, G.P.**; Kwiecien, D.J.; Butrick, E.E.; Powers, E.; Al-Abbasee, R. “Syntheses, Characterization, Density Functional Theory Calculations and Activity of Tridentate SNS Zinc Pincer Complexes Based on Bis-Imidazole or Bis-Triazole Precursors” *Inorganica Chimica Acta*. **2012**. 387. 25-36.
- (2) Miecznikowski, J.R.*; Lo, W.; Lynn, M.A.; O’Loughlin, B.E.; DiMarzio, A.P.; Martinez, A.M.; Lampe, L.; Foley, K.M.; Keilich, L.C.; **Lisi, G.P.**; Kwiecien, D.J.; Pires, C.M.; Kelly, W.J.; Kloczko, N.F.; Morio, K.N. “Syntheses, Characterization, Density Functional Theory Calculations and Activity of Tridentate SNS Zinc Pincer Complexes” *Inorganica Chimica Acta*. **2011**. 376. 515-524.
- (1) Miecznikowski, J.R.*; Caradonna, J.P.; Foley, K.M.; Kwiecien, D.J.; **Lisi, G.P.**; Martinez, A.M. “Introduction to Homogenous Catalysis with Ruthenium-Catalyzed Oxidation of Alcohols: An Experiment for Undergraduate Advanced Inorganic Chemistry Students” *Journal of Chemical Education*. **2011**. 88. 657-661.

4. Invited Lectures

- (38) CRISPR Medicine Summit, Boston, MA (Oct **2026**)
- (37) MIF Virtual Seminar Series, “Structure, Biology, & Disease of MIF Proteins,” International MIF Consortium (Jul **2026**)
- (36) The Protein Society Webinar Series, Translational Allostery: Cryptic Binding Pockets to Latent Networks (May **2026**)
- (35) International CRISPR Congress, Yerevan, Armenia (Oct **2025**)
- (34) Wichita State University, Dept. of Chemistry & Biochemistry, Wichita, KS (Oct **2024**)
- (33) University of Louisville, Dept. of Biochemistry & Molecular Genetics, Louisville, KY (Oct **2024**)
- (32) 30th International Conference on Magnetic Resonance in Biological Systems, Seoul, South Korea (Aug **2024**)
- (31) 8th International Conference on Nucleic Acids & CRISPR, London, UK (Jul **2024**)
- (30) Iowa State University, Dept. of Chemistry, Ames, IA (Apr **2024**)
- (29) 65th Experimental NMR Conference (ENC), Pacific Grove, CA (Apr **2024**)
- (28) Yale University, Dept. of Chemistry, New Haven, CT (Mar **2024**)
- (27) MIF Seminar Series, Ludwig Maximilian University of Munich, Div. of Vascular Biology, Munich, Germany (Feb **2024**)

- (26) University of Michigan, Center for RNA Biomedicine, Ann Arbor, MI (Nov **2023**)
- (25) Rhode Island College, Dept. of Biology, Providence, RI (Nov **2023**)
- (24) Gordon Research Conference on Computational Aspects of Biomolecular NMR, West Dover, VT (June **2023**)
- (23) Brown University, Dept. of Chemistry, Providence, RI (Mar **2023**)
- (22) Dartmouth College, Dept. of Chemistry, Hanover, NH (Dec **2022**)
- (21) The Pennsylvania State University, Dept. of Chemistry, State College, PA (Nov **2022**)
- (20) 29th International Conference on Magnetic Resonance in Biological Systems, Boston, MA (Aug **2022**)
- (19) Providence VA Medical Center, Vascular Research Laboratory, Providence, RI (Feb **2022**)
- (18) National Institute of Standards and Technology and University of Maryland, Institute for Bioscience and Biotechnology Research, Rockville, MD (Nov **2021**)
- (17) American Chemical Society National Meeting, Physical Chemistry Section, Atlanta, GA (Aug **2021**)
- (16) International Council on Magnetic Resonance in Biological Systems Webinar Series (Aug **2021**)
- (15) University of the Pacific, Dept. of Chemistry, Stockton, CA (Mar **2021**)
- (14) Fairfield University, Dept. of Chemistry & Biochemistry, Fairfield, CT (Feb **2021**)
- (13) Providence VA Medical Center, Vascular Research Laboratory, Providence, RI (Dec **2020**)
- (12) Brown University, Dept. of Molecular Biology, Cell Biology, & Biochemistry, Providence, RI (Apr **2020**)
- (11) 61st Experimental NMR Conference (ENC), Baltimore, MD (Mar **2020**)
- (10) University of California, Riverside, Dept. of Bioengineering, Riverside, CA (Feb **2020**)
- (9) Brown University, Dept. of Molecular Pharmacology, Physiology, & Biotechnology, Providence, RI (Feb **2019**)
- (8) Brown University, Dept. of Chemistry, Providence, RI (Nov **2018**)
- (7) 59th Experimental NMR Conference (ENC), Orlando, FL (Mar **2018**)
- (6) University of Connecticut Health Center, Dept. of Molecular Biology & Biophysics, Farmington, CT (May **2017**)
- (5) Fairfield University, Dept. of Chemistry & Biochemistry, Fairfield, CT (Nov **2015**)
- (4) Yale University, Dept. of Chemistry, New Haven, CT (May **2014**)
- (3) Harvard Medical School, Dept. of Biological Chemistry & Molecular Pharmacology, Boston, MA (Apr **2014**)
- (2) University of Pennsylvania, Dept. of Chemistry, Philadelphia, PA (Mar **2014**)
- (1) Northeastern Regional Meeting of the American Chemical Society, New Haven, CT (Nov **2013**)

5. Professional Activities

Grant & Peer Review

- External grant reviewer, European Research Council 2026
- Book proposal reviewer, Cas9 Molecular Physics and Biochemistry (Vol. I & II), Springer Nature 2026
- External grant reviewer, Pennsylvania Dept. of Health 2026
- NSF BIO Review Panel 2026
- NIH MSFB Study Section (*ad hoc*) 2026
- External grant reviewer, Swiss National Science Foundation (SNSF) 2025
- NSF BIO Review Panel 2025
- External grant reviewer, Grantova Agentura Ceske Republiky (Czech Science Foundation) 2024
- NIH MSFB Study Section (*ad hoc*) 2024
- External grant reviewer, Deutsche Forschungsgemeinschaft (German Research Foundation) 2023
- NIH MSFB Study Section (*ad hoc*) 2023
- NIH BBM Study Section (*ad hoc*) 2022
- NSF SBIR/STTR Review Panel 2021
- Manuscript Reviewer 2018 - Present

ACS Applied Biomaterials, ACS Catalysis, ACS Medicinal Chemistry Letters, ACS Physical Chemistry Au, Biochemistry, Biochemical Pharmacology, Biochemical Society Transactions, BioEssays, Bioorganic & Medicinal Chemistry, Biophysical Journal, Biotechnology Advances, Cell Genomics, Cellular Physiology & Biochemistry, Clinical & Translational Medicine, Current Opinion in Structural Biology, FEBS Letters, Frontiers in Cardiovascular Medicine, Frontiers in Molecular Biosciences, Immunobiology, Intl. Journal of Biomacromolecules, iScience, Journal of the American Chemical Society, Journal of Biomolecular NMR, Journal of Biological Chemistry, Journal of Chemical Information & Modeling, Journal of Chemical Physics, Journal of Immunotherapy of Cancer, Journal of Molecular Biology, Journal of Physical Chemistry, Journal of Structural Biology, Methods in Enzymology, Nature Chemical Biology, Nature Communications, Nucleic Acids Research, PNAS, Protein Science, Redox Biology, RNA Biology, Science Advances, STAR Protocols, Structure

Editorial

- Associate Editor, Structural Biology, *Frontiers in Molecular Biosciences* 2025 - Present
- Guest Editor - *Journal of Structural Biology* 2024 - 2025
Special collection on "Disorder, Dynamics, and Regulation of Proteins and Nucleic Acids"
- Associate Editor, Molecular Biophysics, *Frontiers in Molecular Biosciences* 2023 - 2025

- Editorial Board, *Frontiers in Molecular Biosciences* 2022 - Present
- Deputy Editorial Board, *Journal of Structural Biology* 2022 - Present
- Guest Editor - *Frontiers in Molecular Biosciences* 2020 - 2021
Invited collection on "Structural and Dynamic Aspects of Protein Function and Allostery"

Scientific Community

- Visiting Fellow in Assessment, exam content reviewer for AP Environmental Science, College Board 2026
- Visiting Fellow in Assessment, exam content reviewer for AP Chemistry, College Board 2026
- Mentor, NSF Chemistry Early Career (CAREER) Investigator Workshop 2024
- New England Science Symposium Judge, Harvard Medical School 2021

Brown University

- Director of Graduate Studies (MCBGP) 2025 - Present
- MCB Graduate Program Executive Committee 2023 - 2025
- *ex officio*, 2025 - Present
- Proteomics Core Facility Advisory Board 2023 - Present
- Structural Biology Core Facilities Executive Committee 2022 - Present
- MCB Graduate Program Admission Committee 2019 - 2025
- *ex officio*, 2026 - Present
- Chair, 2024, 2025
- Vice Chair, 2023
- Faculty Trainer, Graduate Program in Molecular Biology, Cell Biology & Biochemistry (MCB) 2018 - Present
- Faculty Trainer, Graduate Program in Therapeutic Sciences (TSGP) 2018 - Present
- Faculty Trainer, Graduate Program in Pathobiology 2018 - Present

Professional Societies

- Protein Society
- Biophysical Society
- American Chemical Society

6. Teaching

Primary Courses

- BIOL 0280 (Introductory Biochemistry)
 - Instructor Score: 4.43/5.00 Course Score: 4.40/5.00 (2026, 447 students)
 - Instructor Score: 4.64/5.00 Course Score: 4.40/5.00 (2025, 337 students)
 - Instructor Score: 4.43/5.00 Course Score: 3.75/5.00 (2023, 290 students)
 - Instructor Score: 4.47/5.00 Course Score: 3.91/5.00 (2022, 378 students, Course Leader)
 - Instructor Score: 4.34/5.00 Course Score: 4.11/5.00 (2021, 442 students)
- BIOL 1270/2270 (Advanced Biochemistry)
 - Instructor Score: 4.44/5.00 Course Score: 4.00/5.00 (2023, 12 students)
 - Instructor Score: 4.62/5.00 Course Score: 4.62/5.00 (2022, 18 students, Course Leader)
 - Instructor Score: 4.50/5.00 Course Score: 4.50/5.00 (2021, 25 students)
 - Instructor Score: 4.95/5.00 Course Score: 4.80/5.00 (2020, 23 students, Course Leader)
 - Instructor Score: 4.69/5.00 Course Score: 4.56/5.00 (2019, 31 students)
- BIOL 1950/1960 (Directed Research & Independent Studies for Undergraduates)
- BIOL 2010A (Introduction to Molecular Research in the Life Sciences)
 - Instructor Score: _/5.00 Course Score: _/5.00 (2026, upcoming)
- BIOL 2030 (Foundations for Advanced Study in the Life Sciences)
 - Instructor Score: _/5.00 Course Score: _/5.00 (2026, upcoming)
 - Instructor Score: 4.67/5.00 Course Score: 4.67/5.00 (2024, 9 students)

Guest Lectures

- BIOL 0100 (Living Biology) 2019
- BIOL 1100 (Cell Physiology & Biophysics) 2019 - 20, 2022 - 23, 2025
- BIOL 2010B (Introduction to Data Science in Molecular Biology) 2023, 2024
- RCR (Responsible Conduct of Research for Graduate Students) 2020, 2024, 2025

External Guest Lectures

- CHEM 041 (Biochemistry), Dartmouth College 2020, 2021
- CHEM 161 (Structure & Dynamics of Biomolecules), Dartmouth College 2025
- HLST 3900 (The Corona Pandemic, A Class & Conversation) 2020

Workshops

- "Building a Resilient Community," Self-advocacy & Assertiveness for Scientists, Providence, RI 2022, 2025
- "Entering Research at Yale" Workshop Series, New Haven, CT 2015 - 2018
- NMRBox, National Center for Biomolecular NMR Data Processing & Analysis, Farmington, CT 2017

7. Honors

- Early Career Research Achievement Award, Office of the President & Provost, Brown University 2026
- Dean's Award for Excellence in Graduate & Postdoctoral Training in the Biological Sciences, Brown University 2026
- Innovator Award, CRISPR-QC 2022
- NSF CAREER Award 2021
- *Journal of the American Chemical Society* issue highlighting outstanding early career investigators 2021
- Richard B. Salomon Faculty Research Award 2021
- Arthur Dunham Holmes 1906 Memorial Graduate Fellowship, Dartmouth College 2013
- GAANN Graduate Fellowship, U.S. Dept. of Education 2010 - 2011
- Outstanding Senior Chemistry Major, Fairfield University 2009
- Distinguished Work in the Natural Sciences, College of Arts & Sciences, Fairfield University 2009
- Presidential Academic Scholarship, Fairfield University 2006 - 2009

8. Research Grants

Current

Seed Award

Giuliani RNA Center, Brown University

Cryo-electron Microscopy Studies of CRISPR-Cas9 in Complex with an Anti-CRISPR Protein

05/01/26 – 04/30/27

PI: **Lisi, G.** Co-PI: Jogl, G.

Amount: \$50,000

R01 GM144451

National Institute of General Medical Sciences, NIH

Unraveling the Allosteric Mechanism of Macrophage Migration Inhibitory Factor with Molecular Resolution

09/01/22 – 08/31/27

PI: **Lisi, G.** Co-I: Batista, V.

Amount: \$1,578,915

MCB 2143760

National Science Foundation

CAREER: Molecular Resolution of Long-range Allostery in CRISPR-Cas9

01/01/22 – 12/31/26

PI: **Lisi, G.**

Amount: \$1,400,000

Completed

R01 HL163005

National Heart, Lung, and Blood Institute, NIH

Combining Targeted Demethylation with Noncoding RNA-mediated mRNA Stabilization as a Strategy for Therapeutic Arteriogenesis in the Aged

05/01/22 – 04/30/26

PI: Morrison, A. Co-I: **Lisi, G.** Co-I: Sellke, F. Co-I: Fedulov, A.

Amount: \$2,000,000 (total) \$499,935 (Lisi)

DBI 2233775

National Science Foundation

Helium Recovery Equipment: Securing Rhode Island and Southern New England NMR Structural Biology Infrastructure

09/15/22 – 08/31/25

PI: Fawzi, N. Co-PI: **Lisi, G.** Co-PI: Naik, M.
Amount: \$322,300

R01 GM136815
National Institute of General Medical Sciences, NIH
Studies of Allostery between Multi-domain Proteins and Nucleic Acid Complexes
02/01/21 – 11/30/24
PI: Batista, V. Co-I: **Lisi, G.** Co-I: Palermo, G.
Amount: \$1,292,688 (total) \$430,896 (Lisi)

Project Lead, COBRE Center for the Computational Biology of Human Disease,
Phase II National Institute of General Medical Sciences, NIH – P20 GM109035
Mapping Long-range Allosteric Pathways in CRISPR-Cas9
09/01/21 – 08/31/26
PI: Rand, D. Project PI: **Lisi, G.**
Amount: \$239,100

Richard B. Salomon Faculty Research Award
Office of the Vice President for Research, Brown University
Mapping the Molecular Determinants of Long-range Allostery and Specificity in CRISPR-Cas9
03/01/21 – 06/30/22
PI: **Lisi, G.**
Amount: \$15,000

Project Lead, COBRE Center for the Computational Biology of Human Disease,
Phase I National Institute of General Medical Sciences, NIH – P20 GM109035
Mapping Long-range Allosteric Pathways in CRISPR-Cas9
09/01/19 – 02/28/21
PI: Rand, D. Project PI: **Lisi, G.**
Amount: \$437,396

Seed Award
Office of the Vice President for Research, Brown University
Redox-mediated Control of Protein Structure as a Potential Therapy for Inflammation
01/01/19 – 06/30/20
PI: **Lisi, G.**
Amount: \$30,000

Medical Research
Grant Rhode Island
Foundation
Redox Control of Immunoregulatory Factors as Targeted Therapies for Inflammation
04/01/19 – 03/31/20
PI: **Lisi, G.**
Amount: \$25,000

Pilot Award, COBRE Center for the Computational Biology of Human
Disease National Institute of General Medical Sciences, NIH – P20
GM109035
Developing Experimental and Computational Synergy in Studies of Enzyme Allostery
01/01/19 – 12/31/19
PI: Rand, D. Project PI: **Lisi, G.**
Amount: \$30,000

Pilot Award, Cardiopulmonary Vascular Biology COBRE
National Institute of General Medical Sciences, NIH – P20 GM103652
Redox Control of Macrophage Migration Inhibitory Factor Structure and Function
PI: Harrington, E. Co-PI: Rounds, S. Project PI: **Lisi, G.**
Amount: \$50,000 (Award Declined)

9. Mentoring

Junior Faculty Mentoring

Jane Thibeault (Roger Williams University) – RI INBRE PUI Early Career Development Grant 2025 - Present

Ph.D. Theses Supervised

Max Root - MCB (BS San Diego State University, co-advised w/ Brenda Rubenstein) 2026 - Present
Praise Lasekan - MCB (BS University of Maryland, Baltimore County) 2026 - Present
Briana Mercado - MCB (BS University of Maryland) 2025 - Present
Isabel (Iz) Varghese - TSGP (BS Colby College, co-advised w/ Brenda Rubenstein) 2024 - Present
Camila Molina Roca - MCB (BS Bay Path University) 2023 - Present
Madeline Clark - MCB (BS Christopher Newport University) 2022 - Present
Alexa Knight - MCB (BS University of Washington, co-advised w/ Gerwald Jogl) 2023 - 2026
Vinnie Widjaja - MCB (BS San Diego State University) 2022 - 2026
Erin Skeens - MCB (BS Tufts University) 2021 - 2025
Jennifer Cui - MCB (BS Queen's University, MS McMaster University, Canada) 2020 - 2024
Helen Belato - TSGP (BS University of Connecticut) 2019 - 2023
Emily Chen - MCB (BS Brandeis University) 2019 - 2022

Ph.D. Thesis Committees

Stephany Pang - MCB (Karthi Chellapa, supervisor) - *committee chair* 2025 - Present
Dominique Walker - TSGP (Christina Cuomo, supervisor) - *committee chair* 2024 - Present
Hanna Kodama - MCB (Gerwald Jogl & Martin Taylor, supervisors) - *committee chair* 2024 - Present
Renjith Viswanathan - TSGP (Nicolas Fawzi, supervisor) - *committee chair* 2024 - 2025
Ryan Puterbaugh - TSGP (Nicolas Fawzi, supervisor) - *committee chair* 2024 - Present
Morgan Woodman - MCB (Kate Grive, supervisor) 2023 - Present
Gustavo Ramirez - Chemistry (Brenda Rubenstein, supervisor) 2023 - Present
Miguel Martinez Guzman - Chemistry (Megan Kizer, supervisor) 2023 - Present
Raphael Britt - MCB (Gerwald Jogl & John Sedivy, supervisors) - *committee chair* 2022 - 2026
Noah Wake - TSGP (Nicolas Fawzi, supervisor) 2022 - 2025
Anna Bock - Biotechnology (Nicolas Fawzi, supervisor) 2021 - 2025
Jose Mercado-Ortiz - TSGP (Nicolas Fawzi, supervisor) - *committee chair* 2021 - 2024
Rachel Carley - TSGP (Alan Morrison, supervisor) 2021 - 2024
Alexandra D'Ordine - MCB (Gerwald Jogl & John Sedivy, supervisors) 2021 - 2022
Gerardo Reyes-Chavez - MCB (Gary Wessel, supervisor) 2020 - 2025
Selahaddin Gumus - Chemistry (Sarah Delaney, supervisor) 2020 - 2022
Anastasia Murthy - MCB (Nicolas Fawzi, supervisor) 2019 - 2020
Veronica Ryan - Neuroscience (Nicolas Fawzi, supervisor) 2019 - 2020

External Ph.D. Reader

Christopher Handelman - State University of New York at Buffalo (Michael Buck, supervisor) 2025

Sc.M. Thesis Committees

Savannah Trychanh - Biotechnology (Arthur Salomon, supervisor) 2025
Victoria Johnson - Biotechnology (Nicolas Fawzi, supervisor) 2025
Amber Chevannes - Biotechnology (Nicolas Fawzi, supervisor) 2019

Undergraduate Honors Theses Supervised

Sirena D'Orazio (Biochemistry) 2026
Charlotte Dresser (Chemistry, Leallyn Clapp Prize for best thesis) 2026
Mariana Floody (Biochemistry) 2024
Yannie Lam (Biochemistry) 2023
Aditya Rao (Biochemistry) 2022
Jonathan Scalabrini (Biochemistry) 2022
Nadia Goldberg (Biochemistry) 2021

10. Full List of Trainees

Postdoctoral	Years	Current Position
Anna Bock	2025 - Present	
Manish Chaubey	2024 - 2026	
Helen Belato	2024	Postdoctoral Fellow, Brown University (M. Kizer)
Emily Chen	2022 - 2023	Production Scientist, New England Biolabs
Kyle East	2019 - 2021	Senior Advisor, biomolecular NMR, Eli Lilly & Co.

Research Associates

Camila Molina	2022 (Summer)
Vinnie Widjaja	2021 (Summer)
Jennifer Cui	2019
Erin Skeens	2018 - 2020

Current Position

Ph.D. Student, Brown University MCB
 Ph.D. Student, Brown University MCB
 Ph.D. Student, Brown University MCB
 Ph.D. Student, Brown University MCB

Graduate Students

Max Root	2026 - Present
Praise Lasekan	2026 - Present
Briana Mercado	2025 - Present
Isabel (Iz) Varghese	2024 - Present
Camila Molina	2023 - Present
Madeline Clark	2022 - Present
Alexa Knight	Ph.D. 2026
Vinnie Widjaja	Ph.D. 2026
Erin Skeens	Ph.D. 2025
Jennifer Cui	Ph.D. 2024
Helen Belato	Ph.D. 2023
Emily Chen	Ph.D. 2022

Current Position

Postdoctoral Fellow, University of Oxford, UK (A. Baldwin)
 Postdoctoral Fellow, University of North Carolina (Q. Zhang)

 Postdoctoral Fellow, Brown University (M. Kizer)
 Production Scientist, New England Biolabs

Undergraduates

Olivia Duarte	2025 - Present
Anika Weling	2025 - Present
Charlotte Dresser	2025 - 2026
Anna Steffen	2024 - 2025
Salman Aji	2024
Sirena D'Orazio	2023 - 2026
Mariana Floody	2022 - 2024
Yannie Lam	2022 - 2023
Jeet Patel	2022 - 2023
Adela Herce	2021 - 2022
Aditya Rao	2021 - 2022
Jon Scalabrini	2021 - 2022
J.P. Moise	2020 - 2021
Nadia Goldberg	2019 - 2021
Ji Yun (Estelle) Han	2019
Samuel Croes	2019 - 2021

Current Position

Research Associate, MIT
 Analyst, Clearview Healthcare Partners

 Kuchnir Dermatology & Dermatologic Surgery gap year program
 Research Associate, Yale University
 Ph.D. Program, biochemistry, Stanford University
 M.D./Ph.D. Program, University of Florida
 Research Associate, Brigham & Women's Hospital
 Georgetown University School of Medicine
 M.D./Ph.D. Program, Columbia University
 West Virginia University Medical School
 Columbia University College of Physicians & Surgeons
 Warren Alpert Medical School of Brown University
 Life sciences consultant, Acsel Health

Lab Rotation Students

Shira Strongin	2025
Hanna Kodama	2024
Renjith Viswanathan	2023
Carmelissa Norbrun	2021
Mai Huynh	2021
Yanitza Rodriguez	2020
Jennifer Dumouchel	2020
Gerardo Reyes-Chavez	2020
Maureen Dowell	2019
Layra Cintron-Rivera	2018
Carlos Toro	2018

Ph.D. Graduate Program

Therapeutic Sciences
 Molecular Biology, Cell Biology & Biochemistry
 Therapeutic Sciences
 Therapeutic Sciences
 Pathobiology
 Molecular Biology, Cell Biology & Biochemistry
 Therapeutic Sciences
 Molecular Biology, Cell Biology & Biochemistry
 Molecular Biology, Cell Biology & Biochemistry
 Pathobiology
 Therapeutic Sciences

Visiting Students**Years****Home Institution****Subsequent Position**

Isabelle O'Connor

2026 - Present

East Hampton HS, NY

Anvit Divekar

2025 - Present

Georgia Tech, GA

Allison Gallagher

2019

Washington College, MD

Virginia Commonwealth

University School of Pharmacy