

George P. Lisi

Department of Molecular Biology, Cell Biology & Biochemistry • Warren Alpert Medical School • Brown University
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EDUCATION:

Dartmouth College

Ph.D., Biochemistry (with D.E. Wilcox & E.V. Pletneva)

Hanover, NH
2014

Fairfield University

B.Sc., Chemistry

Fairfield, CT
2009

EMPLOYMENT:

Assistant Professor, Warren Alpert Medical School, Brown University (appointed 9/1/2018)
Department of Molecular Biology, Cell Biology & Biochemistry

Providence, RI
2018 - Present

Postdoctoral Research Fellow, Yale University

Department of Chemistry (with J. P. Loria)

New Haven, CT
2014 - 2018

PUBLICATIONS:

- See ncbi.nlm.nih.gov/sites/myncbi/1f7yuRKsyj65T/bibliography/48613662/public/?sort=date&direction=descending
- See www.researchgate.net/profile/George_Lisi

*Denotes corresponding author(s); #Denotes equal contribution

- (41) Wang, J.*; 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” *Submitted*
- (40) Wang, J.*; Reiss, K.; Maschietto, F.; Allen, B.; Shi, Y.; Lolis, E.; **Lisi, G.P.**; Konigsberg, W.H.; Batista, V.S.* “Mechanistic Insight into Nucleotide and Remdesivir Incorporation by SARS-CoV-2 RNA Polymerase from Molecular Dynamics” *Submitted*
- (39) Wang, J.*; Maschietto, F.; Qiu, T.; Reiss, K.; Shi, Y.; Allen, B.; Lolis, E.; **Lisi, G.P.**; Batista, V.S.* “Structurally Divergent Conformations of the Receptor-binding Domain of the SARS-CoV-2 Spike Trimer Revealed by Molecular Dynamics Simulations” *Submitted*
- (38) Wang, J.*; Maschietto, F.; Qiu, T.; Reiss, K.; Shi, Y.; Allen, B.; Lolis, E.; **Lisi, G.P.**; Batista, V.S.* “Omicron Mutations Destabilize the Closed Conformation of Receptor Binding Domains in the Spike Trimer of SARS-CoV-2” *Submitted*
- (37) Nierzwicki, L.; East, K.W.; Pacesa, M.; Hsu, R.V.; Arantes, P.R.; Binz, J.; Ahsan, M.; Jinek, M.; **Lisi, G.P.**; Palermo, G.* “Defining the Target DNA Cut in CRISPR-Cas9” *Submitted*
- (36) Fredericks, A.M.#; East, K.W.#; Ayala, A.; Cioffi, W.G.; Cohen, M.; Fairbrother, W.G.; Lefort, C.T.; Nau, G.J.; Levy, M.M.; Liu, J.; Wang, J.; Maschietto, F.; Batista, V.S.; **Lisi, G.P.**; Monaghan, S.F.* “Deep RNA Sequencing with Structural Modeling to Identify Antibodies to COVID-19 Variants” **2021**. *Submitted*
- (35) **Lisi, G.P.***; Rivalta, I.*; Venditti, V.* “Editorial: Structural and Dynamic Aspects of Protein Function and Allostery” **2022**. *Frontiers in Molecular Biosciences*. DOI: 10.3389/fmolb.2022.876499.
- (34) 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” **2021**. *Biochemistry*. 61. 424-432.
- (33) Skeens, E.; Gadzuk-Shea, 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” **2022**. *Structure, in press*.
- (32) 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” **2022**. *Frontiers in Molecular Biosciences*. 9. DOI: 10.3389/fmolb.2022.783669.
- (31) 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” **2021**. *eLife*. 10. e73601.

Updated 3.1.2022

- (30) 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" **2021**. *Journal of Structural Biology*. 214. 107814-107824.
- (29) 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)
- (28) 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.
- (27) 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.
- (25) 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.
- (24) 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.
- (23) 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
- (22) 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.
- (21) 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.
- (20) 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.
- Highlighted in "Allosteric Control of Enzyme Activity: From Ancient Origins to Recent Genome-editing Technologies" *Biochemistry* **2020**
- Selected for *JACS* **2020** virtual issue dedicated to outstanding early career investigators
- (19) 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.
- (18) East, K.W.; Leith, A.; Ragavendran, A.; Delaglio, F.; **Lisi, G.P.*** "NMRdock: Lightweight and Modular NMR Processing" *bioRxiv*. **2019**. DOI: 10.1101/679688.
- (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" *Proceedings of the National Academy of Sciences, USA*. **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" *Proceedings of the National Academy of Sciences, USA*. **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.” *Proceedings of the National Academy of Sciences, USA*. **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.

WORKS IN PROGRESS:

*Denotes corresponding author(s); #Denotes equal contribution

- (4) Nierzwicki, L.#; East, K.W.#; Morzan, U.N.; Arantes, P.R.; Batista, V.S.; **Lisi, G.P.***; Palermo, G.* “A Bottom-up Approach to Divide-and-Conquer Allostery through Solution NMR and All-atom Molecular Dynamics” *In Preparation*
- (3) Wang, J.*; Gisriel, C.J.; Maschietto, F.; Liu, J.; Flesher, D.A.; Lolis, E.; **Lisi, G.P.**; Armstrong, W.H.; Sigworth, F.J.; Brudvig, G.W.; Xiong, Y.; Batista, V.S. “Correcting Relative Voxel Scaling Factors for Difference Cryo-EM Map Calculations” *In Preparation*
- (2) Maschietto, F.; Qiu, T.; Wang, J.*; Allen, B.; **Lisi, G.P.**; Lolis, E.; Batista, V.S.* “Trimer Stabilization of the SARS-CoV-2 Spike Receptor-binding Domain in a Closed Conformation by a Valproate Coenzyme-A Conjugate” *In Preparation*
- (1) Wang, J.*; Maschietto, F.; Allen, B.; **Lisi, G.P.**; Palermo, G.; Batista, V.S.* “Molecular Dynamics Simulation-based Decomposition of Alternate Rotamer Conformations in Methionine Conformational Heterogeneity” *In Preparation*

INVITED LECTURES & CONFERENCE LECTURES:

- (16) Providence VA Medical Center, Vascular Research Laboratory, Providence, RI (Feb 2022)

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- (15) National Institute of Standards and Technology and University of Maryland, Institute for Bioscience and Biotechnology Research, Rockville, MD (Nov **2021**)
 - (14) American Chemical Society National Meeting, Physical Chemistry Section, Atlanta, GA (Aug **2021**)
 - (13) International Council on Magnetic Resonance in Biological Systems (ICMRBS) Webinar Series (Aug **2021**)
 - (12) University of the Pacific, Dept. of Chemistry, Stockton, CA (Mar **2021**)
 - (11) Fairfield University, Dept. of Chemistry & Biochemistry, Fairfield, CT (Feb **2021**)
 - (10) Providence VA Medical Center, Vascular Research Laboratory, Providence, RI (Dec **2020**)
 - (9) Brown University, Dept. of Molecular Biology, Cell Biology, & Biochemistry, Providence, RI (Apr **2020**)
 - (8) 61st Experimental NMR Conference (ENC), Baltimore, MD (Mar **2020**)
 - (7) University of California, Riverside, Dept. of Bioengineering, Riverside, CA (Feb **2020**)
 - (6) Brown University, Dept. of Molecular Pharmacology, Physiology, & Biotechnology, Providence, RI (Feb **2019**)
 - (5) Brown University, Dept. of Chemistry, Providence, RI (Nov **2018**)
 - (4) 59th Experimental NMR Conference (ENC), Orlando, FL (Mar **2018**)
 - (3) University of Connecticut Health Center, Dept. of Molecular Biology & Biophysics, Farmington, CT (May **2017**)
 - (2) Fairfield University, Dept. of Chemistry & Biochemistry, Fairfield, CT (Nov **2015**)
 - (1) Northeastern Regional Meeting of the American Chemical Society, New Haven, CT (Nov **2013**)
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PROFESSIONAL ACTIVITIES:

- NSF SBIR/STTR Review Panel 2021
 - Guest Editor – *Frontiers in Molecular Biosciences* 2020 – 2021
Invited collection on “Structural and Dynamic Aspects of Protein Function and Allostery”
 - Faculty Trainer, Graduate Program in Molecular Biology, Cell Biology & Biochemistry (MCB) 2018 – Present
 - Faculty Trainer, Graduate Program in Molecular Pharmacology & Physiology (MPP) 2018 – Present
 - Faculty Trainer, Graduate Program in Pathobiology 2018 – Present
 - *Ad hoc* Reviewer - *ACS Medicinal Chemistry Letters*, *BioEssays*, *Biochemical Society Transactions*, *Bioorganic & Medicinal Chemistry*, *Biophysical Journal*, *Clinical and Translational Medicine*, *Journal of Molecular Biology*, *Methods in Enzymology*, *Nature Communications*, *Science Advances*
-

TEACHING:

BIOL 0280 (Introductory Biochemistry) 2019 - Present
Instructor Score: 4.34/5.00 Course Score: 4.11/5.00 (2021, 442 students)

BIOL 1270/2270 (Advanced Biochemistry)

Instructor Score: 4.69/5.00 Course Score: 4.56/5.00 (2019, 31 students)

Instructor Score: 4.95/5.00 Course Score: 4.80/5.00 (2020, 23 students, Course Leader)

Instructor Score: 4.50/5.00 Course Score: 4.50/5.00 (2021, 25 students)

GUEST LECTURES:

BIOL 0100 (Living Biology) 2019 – Present
BIOL 1100 (Cell Physiology & Biophysics)
BIOL 2030 (Foundations for Advanced Study in Life Sciences)
RCR (Responsible Conduct of Research for Graduate Students)

EXTERNAL TEACHING:

CHEM 041 (Biochemistry) – Dartmouth College, Hanover, NH 2020 – 2021
HLST 3900 (The Corona Pandemic, a Class and a Conversation) – Fairfield University, Fairfield, CT 2020

WORKSHOP TEACHING:

“Entering Research at Yale” Workshop Series – New Haven, CT 2015 – 2018
NMRBox, National Center for Biomolecular NMR Data Processing & Analysis – Farmington CT 2017

HONORS & AFFILIATIONS:

- 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 - 2012
- 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
- Member, Sigma Xi Scientific Research Society 2009 - Present

RESEARCH GRANTS:**Current**

MCB 2143760

National Science Foundation

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

01/01/22 – 12/31/26

PI: Lisi \$1,400,000

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 \$15,000

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 Co-I: Lisi Co-I: Palermo \$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 Project PI: Lisi \$1,195,500 (Lisi)

Completed

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 Project PI: Lisi \$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 \$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 \$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 Project PI: Lisi \$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

Award Declined

PI: Harrington, Rounds Project PI: Lisi \$50,000

Ph.D. THESIS COMMITTEES:

Rachel Carley – Therapeutic Sciences (Alan Morrison, supervisor)

2022 - Present

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Raphael Britt – MCB (Gerwald Jogl & John Sedivy, supervisors) - <i>committee chair</i>	2022 - Present
Noah Wake – Therapeutic Sciences (Nicolas Fawzi, supervisor)	2022 - Present
Erin Skeens – MCB (George Lisi, supervisor)	2021 - Present
Alexandra D'Ordine – MCB (Gerwald Jogl & John Sedivy, supervisors) – <i>ad hoc</i>	2021 - Present
Anna Bock – Biotechnology (Nicolas Fawzi, supervisor)	2021 - Present
Jose Mercado-Ortiz – MPP (Nicolas Fawzi, supervisor) – <i>committee chair</i>	2021 - Present
Gerardo Reyes-Chavez – MCB (Gary Wessel, supervisor)	2020 - Present
Selahaddin Gumus – Chemistry (Sarah Delaney, supervisor)	2020 - Present
Jennifer Cui – MCB (George Lisi, supervisor)	2020 - Present
Helen Belato – MPP (George Lisi, supervisor)	2019 - Present
Emily Chen – MCB (George Lisi, supervisor)	2019 - Present
Anastasia Murthy – MCB (Nicolas Fawzi, supervisor)	2019 - 2020
Veronica Ryan – Neuroscience (Nicolas Fawzi, supervisor)	2019 - 2020

Sc.M. THESIS COMMITTEES:

Amber Chevannes – Biotechnology (Nicolas Fawzi, supervisor)	2019
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UNDERGRADUATE HONORS THESES SUPERVISED:

Aditya Rao	2022
Jonathan Scalabrini	2022
Nadia Goldberg	2021

STUDENTS & STAFF:

<i>Postdoctoral</i>	<i>Years</i>	<i>Subsequent Position</i>
Kyle East (Ph.D. Yale)	2019 - 2021	Scientist, biomolecular NMR, Eli Lilly & Co.
<i>Research Staff</i>	<i>Years</i>	<i>Subsequent Position</i>
Erin Skeens	2018 - 2020	Ph.D. Student, Brown University MCB
Jennifer Cui	2019	Ph.D. Student, Brown University MCB
Vinnie Widjaja	Su. 2021	Ph.D. Student, Brown University MCB
<i>Graduate Students</i>	<i>Years</i>	<i>Subsequent Position</i>
Helen Belato (NSF GRFP)	2019 - Present	
Emily Chen (NIH T32)	2019 - Present	
Jennifer Cui	2020 - Present	
Erin Skeens	2021 - Present	
<i>Undergraduates</i>	<i>Years</i>	<i>Subsequent Position</i>
Samuel Croes	2019 - 2021	Life sciences consultant, Acsel Health
Allison Gallagher	2019 (Summer)	Virginia Commonwealth University School of Pharmacy
Ji Yun (Estelle) Han	2019 (Summer)	Computational Biology Group, Memorial Sloan Kettering
Nadia Goldberg	2019 - 2021	US-Mexico physician assistantship service
J.P. Moïse	2020 - 2021	West Virginia University Medical School
Jon Scalabrini	2021 – Present	
Aditya Rao	2021 – Present	
Adela Herce	2021 – Present	
<i>Rotation Students</i>	<i>Years</i>	<i>Program</i>
Carlos Toro	F 2018	Molecular Pharmacology & Physiology
Layra Cintron-Rivera	F 2018	Pathobiology
Maureen Dowell	W 2019	Molecular Biology, Cell Biology & Biochemistry
Gerardo Reyes-Chavez	W 2020	Molecular Biology, Cell Biology & Biochemistry
Jennifer Dumouchel	S 2020	Molecular Pharmacology & Physiology
Yanitza Rodriguez	S 2020	Molecular Biology, Cell Biology & Biochemistry
Mai Huynh	W 2021	Pathobiology
Rachel Carley	W 2021	Molecular Pharmacology & Physiology

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Vinnie Widjaja	F 2021	Molecular Biology, Cell Biology & Biochemistry
Carmelissa Norbrun	F 2021	Molecular Pharmacology & Physiology
Madeline Clark	W 2021	Molecular Biology, Cell Biology & Biochemistry
