Ralph Elliot Kleiner
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EDUCATION

May 2011	Harvard University, Cambridge, MA Ph.D. in Chemistry
June 2005	Princeton University, Princeton, NJ A.B. in Chemistry, *Cum Laude* Certificate in Applied and Computational Mathematics

APPOINTMENTS

2024-present	Associate Professor of Chemistry, Princeton University, Princeton, NJ
2023-present	Associated Faculty, Omenn-Darling Bioengineering Institute, Princeton University, Princeton, NJ
2022-present	Consultant, Alida Biosciences, San Diego, CA
2017-present	Associated Faculty in Molecular Biology, Princeton University
2016-2024	Assistant Professor of Chemistry, Princeton University
2014-2016	Revson Foundation Biomedical Fellow, The Rockefeller University
2011-2014	Damon Runyon Postdoctoral Fellow, The Rockefeller University

TRAINING

2011-2016 (Postdoctoral)	The Rockefeller University, Laboratory of Chemistry and Cell Biology Principal Investigator: Professor Tarun M. Kapoor Investigated readers of DNA-damage-associated histone mark γH2AX using chemical proteomics, biochemistry, and cell biology; developed methods for generating site-specifically modified tubulin and microtubules
2005-2011 (Ph.D.)	Harvard University, Department of Chemistry and Chemical Biology Principal Investigator: Professor David R. Liu Developed strategies for the synthesis and selection of DNA-templated synthetic polymers and small molecules; discovered highly selective Src kinase inhibitors and the first physiologically active inhibitor of Insulin-Degrading Enzyme (IDE) from a DNA-templated macrocycle library
2002-2005 (A.B.)	Princeton University, Department of Chemistry and Department of Chemical Engineering Principal Investigators: Professor Michael H. Hecht, Professor Christodoulos Floudas Conducted research on the design and biophysical analysis of *de novo* four-helix bundle proteins.

AWARDS

2023	International Chemical Biology Society (ICBS) Young Chemical Biologist Award
2023	Kavli Fellow

2019	NSF CAREER Award
2019	Alfred P. Sloan Foundation Research Fellowship
2017	Sidney Kimmel Foundation Scholar Award
2016	Damon Runyon Dale F. Frey Award for Breakthrough Scientists
2014	Revson Foundation Fellowship in Biomedical Science
2012	Damon Runyon Cancer Research Foundation Postdoctoral Fellowship
2001	National Merit Scholar

PUBLICATIONS

1. "Genome-wide profiling of tRNA modifications by Induro-tRNAseq reveals coordinated changes" Nakano, Y.; Gamper, H.; McGuigan, H.; Maharjan, S.; Li, J.; Sun, Z.; Yigit, E.; Grunberg, S.; Krishnan, K.; Li, N.S.; Piccirilli, J.A.; **Kleiner, R.E.**; Nichols, N.; Gregory, B.D.; Hou, Y.M. *Nat. Commun.* **16**, 1047 (2025).
2. "Drugging the Epitranscriptome" in *RNA as a Drug Target: The Next Frontier for Medicinal Chemistry,* Eggert, T.W. & **Kleiner, R.E.** Chpt 12, pg 321-354. Wiley (2024).
3. "Global characterization of RNA modifying enzymes with RNA-mediated activity-based protein profiling (RNABPP)" Yu, N.J.; Jaber, Q.Z.; **Kleiner, R.E.** *Methods Enzymol.* **705**, 111-125 (2024).
4. "Sequence- and Structure-Specific tRNA Dihydrouridylation by hDUS2" Ji, J.; Yu, N.J.; **Kleiner, R.E.** *ACS Cent Sci.* **10**, 803-812 (2024).
5. "Introduction to 'The Epitranscriptome'" **Kleiner, R.E.**; Hobartner, C.; Jia, G. *RSC Chem Biol.* **5**, 271-271 (2024).
6. "Liver-specific Mettl14 deletion induces nuclear heterotypia and dysregulates RNA export machinery" Berggren, K.A.; Sinha, S.; Lin, A.E.; Schwoerer, M.P.; Maya, S.; Biswas, A.; Cafiero, T.R.; Liu, Y.; Gertje, H.P.; Suzuki, S.; Berneshawi, A.R.; Carver, S.; Heller, B.; Hassan, N.; Ali, Q.; Beard, D.; Wang, D.; Cullen, J.M.; **Kleiner R.E.**; Crossland, N.A.; Schwartz, R.E.; Ploss, A. *bioRxiv* (2023) https://doi.org/10.1101/2024.06.17.599413.
7. "The impact of epitranscriptomic modifications on liver disease' Bergren, K.A.; Schwartz, R.E.; **Kleiner, R.E.**; Ploss, A. *Trends Endocrinol Metab.* **35**, 331-346 (2024).
8. "Cell type-specific translational regulation by human DUS enzymes" Yu, N.J.; Dai, W.; Li, A.; He, M.; **Kleiner, R.E.** *bioRxiv* (2023) https://doi.org/10.1101/2023.11.03.565399.
9. "Transcriptome-wide RNA structure probing with temporal resolution" Wang, D.; Tang, Y.; Li, A.; Sun, L.; **Kleiner, R.E.** *bioRxiv* (2023) https://doi.org/10.1101/2023.09.28.560059.
10. "Chemoproteomic profiling of 8-oxoguanosine-sensitive RNA-protein interactions" Villers, J.; McCann Smith, E.; DeLiberto, A.N.; Arguello, A.E.; Nyaanga, J.; **Kleiner, R.E.** *Biochemistry* (2023) https://doi.org/10.1021/acs.biochem.3c00461.
11. "Chemoproteomic approaches to studying RNA modification-associated proteins" Dai, W.; Yu, N.J.; **Kleiner, R.E.** *Acc. Chem. Res.* **56**, 2726-2739 (2023).
12. "Viscoelasticity and advective flow of RNA underlies nucleolar form and function" Riback, J.A.; Eeftens, J.M.; Lee, D.S.W.; Quinodoz, S.A.; Donlic, A.; Orlovsky, N.; Wiesner, L.; Beckers, L.; Becker, L.A.; Strom, A.R.; Rana, U.; Tolbert, M.; Purse, B.W.; **Kleiner, R.E.**; Kriwacki, R.; Brangwynne, C.P. *Mol. Cell* **83**, 3095-3107.e9 (2023).
13. "Chemical approaches to investigate post-transcriptional RNA regulation" **Kleiner, R.E.** *ACS Chem. Biol.* **18**, 1684-1697 (2023).
14. "Inhibition of nucleolar transcription by oxaliplatin involves ATM/ATR kinase signaling" Nechay, M.; Wang, D.; **Kleiner, R.E.** *Cell Chem. Biol.* **30**, 906-919 (2023).
15. "Profiling dynamic RNA-protein interactions using small molecule-induced RNA editing" Seo, K.W.; **Kleiner, R.E.** *Nat. Chem. Biol.* **19**, 1361-1371 (2023).
16. "Global Discovery of Covalent Modulators of Ribonucleoprotein Granules" Ciancone, A.M.*; Seo, K.W.*; Chen, M.*; Borne, A.L.; Libby, A.H.; Bai, D.L.; **Kleiner, R.E.***; and Hsu*, K.L. *J. Am.*

Chem. Soc. **145**, 11056-66 (2023).

17. "Tracking chromatin state changes using nanoscale photo-proximity labeling" Seath, C.P.; Burton, A.J.; Sun, X.; Lee, G.; **Kleiner, R.E.**; MacMillan, D.W.C.; Muir, T.W. *Nature* **616**, 574-580 (2023).
18. "Live-cell RNA imaging with metabolically incorporated fluorescent nucleosides" Wang, D.; Shalamberidze, A.; Arguello, A.E.; Purse, B.; **Kleiner, R. E.** *J. Am. Chem. Soc.* **144**, 14647-14656 (2022).
19. "Reactivity-dependent profiling of RNA 5-methylcytidine dioxygenases" Arguello, A.E.; Li, A.; Sun, X.; Eggert, T.W.; Mairhofer, E.; **Kleiner, R.E.** *Nat. Commun.* **13**, 4176 (2022).
20. "Chemical Method to Sequence 5-Formylcytosine on RNA" Li, A.; Sun, X.; Arguello, A.E.; **Kleiner, R.E.** *ACS Chem. Biol.* **17**, 3, 503-508 (2022).
21. "Interrogating the Transcriptome with Metabolically Incorporated Ribonucleosides" **Kleiner, R.E.** *Mol. Omics.* **17**, 833-41 (2021).
22. "Activity-based RNA-modifying enzyme probing reveals DUS3L-mediated dihydrouridylation" Dai, W.; Li, A.; Yu, N.J.; Nguyen, T.; Leach, T.W.; Wuhr, M.; **Kleiner, R.E.** *Nat. Chem. Biol.* **17**, 1178-1187 (2021).
23. "A neural m6A/Ythdf pathway is required for learning and memory in Drosophila" Kan, L.; Ott, S.; Joseph, B.; Park, E.S.; Dai, W.; **Kleiner, R.E.**; Claridge-Chang, A.; Lai, E.C. *Nat. Commun.* **12**, 1458 (2021).
24. "Mechanisms of Epitranscriptomic Gene Regulation" Seo, K.W.; **Kleiner, R.E.** *Biopolymers* **112**, e23403 (2021).
25. "Cell- and Polymerase-Selective Metabolic Labeling of Cellular RNA with 2'-Azidocytidine" Wang, D.; Zhang, Y.; **Kleiner, R. E.** *J. Am. Chem. Soc.* **142**, 14417-14421 (2020).
26. "YTHDF2 Recognition of N^1-methyladenosine (m^1A)-modified RNA Is Associated with Transcript Destabilization" Seo, K. W.; **Kleiner, R. E.** *ACS Chem. Biol.* **15,** 132-139 (2020).
27. "High-throughput approaches to profile protein-RNA interactions" Nechay, M.; **Kleiner, R. E.** *Curr. Opin. Chem. Biol.* **54**, 37-44 (2019).
28. "*In vitro* selection with a site-specifically modified RNA library reveals the binding preferences of N^6-methyladenosine (m^6A) reader proteins" Arguello, A. E.; Leach, R. W.; **Kleiner, R. E.** *Biochemistry* **58**, 3386-3395 (2019).
29. "A Metabolic Engineering Approach to Incorporate Modified Pyrimidine Nucleosides into Cellular RNA" Zhang, Y.; **Kleiner, R. E.** *J. Am. Chem. Soc.* **141**, 3347-3351 (2019).
30. "A Photocrosslinking-Based RNA Chemical Proteomics Approach to Profile m^6A-Regulated Protein-RNA Interactions" Arguello, A. E.; Srikumar, T.; **Kleiner, R. E.** *Curr. Protoc. Nucleic Acid Chem.* **75,** e69 (2018).
31. "Reading the RNA Code" **Kleiner, R. E.** *Biochemistry* **57**, 11-12 (2018).
32. "RNA Chemical Proteomics Reveals the N^6-Methyladenosine (m^6A)-Regulated Protein-RNA Interactome" Arguello, A. E.; DeLiberto, A. N.; **Kleiner, R. E.** *J. Am. Chem. Soc.* **139**, 17249-17252 (2017).

Publications before Princeton:

33. "A Chemical Proteomics Approach to Reveal Direct Protein-Protein Interactions in Living Cells" **Kleiner, R. E.**; Hang, L. E.; Molloy, K. R.; Chait, B. T.; Kapoor, T. M. *Cell Chem. Biol.* **25**, 110-120.e3 (2018).
34. "Structural and Biochemical Basis for Intracellular Kinase Inhibition by Src-specific Peptidic Macrocycles" Aleem, S. U.*; Georghiou, G.*; **Kleiner, R. E.***; Guja, K. E.; Craddock, B. P.; Lyczek, A.; Chan, A. I.; Garcia-Diaz, M.; Miller, W. T.; Liu, D. R.; Seeliger, M. A. *Cell Chem. Biol.* **23**, 1103-1112 (2016).
35. "Mutations in Human Tubulin Proximal to the Kinesin-Binding Site Alter Dynamic Instability at Microtubule Plus- and Minus-Ends" Ti, S. C.; Pamula, M. C.; Howes, S. C.; Duellberg, C.; Cade, N. I.; **Kleiner, R. E.**; Forth, S.; Surrey, T.; Nogales, E.; Kapoor, T. M. *Dev. Cell* **4**, 72-84 (2016).

36. "Chemical Proteomics Reveals a γH2AX-53BP1 Interaction in the DNA Damage Response" **Kleiner, R. E.**; Verma, P.; Molloy, K. R.; Chait, B. T.; Kapoor, T. M. *Nat. Chem. Biol.* **10**, 807-814 (2015).
37. "Anti-Diabetic Activity of Insulin-Degrading Enzyme Inhibitors Mediated by Multiple Hormones" Maianti, J. P.; McFedries, A.; Foda, Z. H.; **Kleiner, R. E.**; Du, X.; Lessring, M.; Tang, W.; Charron, M. J.; Seeliger, M. A.; Saghatelian, A.; Liu, D. R.; *Nature* **511**, 94-98 (2014).
38. "Bumping Up Kinase Activity with an ATP-Derived Neo-Substrate" **Kleiner, R. E.**; Kapoor, T. M. *Cell* **154**, 716-718 (2013).
39. "Site-Specific Chemistry on the Microtubule Polymer" **Kleiner, R. E.**; Ti, S. C.; Kapoor, T. M. *J. Am. Chem. Soc.* **135**, 12520-12523 (2013).
40. "Highly specific, bisubstrate-competitive Src inhibitors from DNA-templated macrocycles" Georghiou, G.*; **Kleiner, R. E.***; Pulkoski-Gross, M.; Liu, D. R.; Seeliger, M. A. *Nat. Chem. Biol.* **8**, 366-374 (2012).
41. "Small-Molecule Discovery from DNA-Encoded Chemical Libraries" **Kleiner, R. E.***; Dumelin, C. E.*; Liu, D. R. *Chem. Soc. Rev*. **40**, 5707-5717 (2011).
42. "*In Vitro* Selection of a DNA-Templated Small-Molecule Library Reveals a Class of Macrocyclic Kinase Inhibitors" **Kleiner, R. E.**; Dumelin, C. E.; Tiu, G. C.; Sakurai, K.; Liu, D. R. *J. Am. Chem. Soc.* **132**, 11779-11791 (2010).
43. "An *In Vitro* Translation, Selection and Amplification System for Peptide Nucleic Acid" Brudno, Y.; Birnbaum, M. E.; **Kleiner, R. E.**; Liu, D. R. *Nat. Chem. Biol.* **6**, 148-155 (2010).
44. "DNA-Templated Polymerization of Side-Chain-Functionalized Peptide Nucleic Acid Aldehydes" **Kleiner, R. E.**; Brudno, Y.; Birnbaum, M. E.; Liu, D. R. *J. Am. Chem. Soc.* **130**, 4646-4659 (2008).
45. "An Intein-Based Genetic Selection Enables Construction of a High-Quality Library of Binary Patterned *De Novo* Sequences" Bradley, L. H.; **Kleiner, R. E.**; Wang, A. F.; Hecht, M. H.; Wood, D.W. *Protein Eng. Des. Sel.* **18,** 201-207 (2005).

INVITED SEMINARS

1. Department of Biochemistry and Molecular Biology, Thomas Jefferson University, January 2024, Philadelphia, PA.
2. Therapeutic Innovation Center, Baylor College of Medicine, November 2023, Houston, TX.
3. Cancer Pharmacology Program, Rutgers Cancer Institute of New Jersey, May 2023, virtual
4. Department of Chemistry, University of California, Davis, April 2023, Davis, CA
5. Department of Chemistry, Yale University, April 2023, New Haven, CT.
6. Department of Chemistry, University of California, Berkeley, February 2023, Berkeley, CA.
7. Department of Chemistry, Columbia University, February 2023, New York, NY.
8. Department of Chemistry, University of Chicago, January 2023, Chicago, IL.
9. Department of Chemistry, University of Pennsylvania, January 2023, Philadelphia, PA.
10. Chemical Biology Program, Memorial Sloan Kettering Cancer Center, December 2022, New York, NY.
11. Department of Chemistry, Stanford University, November 2022, Palo Alto, CA
12. Molecular Discovery Seminar Series, National Cancer Institute, November 2022, Frederick, MD.
13. Department of Biochemistry, University of Colorado, Boulder, November 2022, Boulder, CO.
14. Department of Chemistry, Harvard University, October 2022, Cambridge, MA.
15. Department of Pharmacological Sciences, Stony Brook University, October 2022, Stony Brook, NY.
16. Department of Chemistry, The Scripps Research Institute, October 2022, San Diego, CA.
17. Department of Chemistry and Biochemistry, University of California, San Diego, October 2022, San Diego, CA.
18. Department of Chemistry, Boston College, September 2022, Chestnut Hill, MA
19. Department of Chemistry, New York University, September 2022, New York, NY

20. Department of Chemistry, Cornell University, May 2022, Ithaca, NY
21. Department of Chemistry, University of California, Irvine, April 2022, Irvine, CA
22. Department of Materials Science and Chemical Engineering, State University of New York, Stony Brook, March 2022, virtual seminar
23. Department of Chemistry, University of Michigan, February 2022, Ann Arbor, MI
24. RNA Institute, University of Albany, February 2022, virtual seminar
25. Epigenetics Consortium, University of Minnesota, April 2021, virtual seminar
26. Department of Chemistry, University of the Sciences, January 2021, virtual seminar
27. Emerging Science and Innovation, Pfizer, January 2021, virtual seminar
28. Department of Pharmacology, Physiology and Neuroscience, Rutgers New Jersey Medical School, May 2020 (rescheduled), Newark, NJ
29. Cancer Pharmacology Research Program, Rutgers Cancer Institute of New Jersey, November 2019, New Brunswick, NJ
30. Chemical Biology Interface Summer Retreat, Perelman School of Medicine, University of Pennsylvania, July 2019, Philadelphia, PA
31. Center for Advanced Biotechnology and Medicine, Rutgers University, December 2018, Piscataway, NJ

CONFERENCE PRESENTATIONS

1. Oral Presentation. *New York Academy of Sciences Meeting on Chemical Biology of Nucleic Acids*, January 2025, New York, NY.
2. Featured Inventor at *Celebrate Princeton Innovation 2024*, October 2024, Princeton, NJ.
3. Oral Presentation. *Discovery on Target*, October 2024, Boston, MA
4. Oral Presentation. *Middle Atlantic Regional Meeting of the American Chemical Society,* June 2024, State College, PA.
5. Oral Presentation. *Annual Meeting, International Chemical Biology Society*, October 2023, Ann Arbor, MI.
6. Oral Presentation. *Gordon Research Conference on RNA Editing and Modification*, March 2023, Ventura, CA.
7. Oral Presentation. *Kavli Frontiers of Science Symposium*, March 2023, Irvine, CA.
8. Oral Presentation. *Telluride Science Research Center Workshop on Nucleic Acid Chemistry*, July 2022, Telluride, CO.
9. Oral Presentation. *Gordon Research Conference on Bioorganic Chemistry*, June 2022, Andover, NH
10. Oral Presentation. *Symposium on Chemistry of Nucleic Acid Components*, June 2022, Cesky Krumlov, Czech Republic.
11. Oral Presentation. *American Society for Biochemistry and Molecular Biology*, April 2022, Philadelphia, PA.
12. Oral Presentation. *American Chemical Society National Meeting*, March 2022, Hybrid Meeting
13. Oral Presentation. *Pacifichem*, December 2021, Virtual Meeting
14. Oral Presentation. *Discovery on Target*, September 2021, Boston, MA
15. Oral Presentation. *Discovery on Target*, September 2020, Virtual Meeting
16. Oral Presentation. *American Chemical Society National Meeting*, August 2020, Virtual Meeting
17. Oral Presentation. *Symposium on Chemistry of Nucleic Acid Components*, June 2020 (rescheduled), Cesky Krumlov, Czech Republic.
18. Oral Presentation. *Gordon Research Conference on Bioorganic Chemistry*, June 2020 (rescheduled), Andover, NH
19. Oral Presentation. *American Chemical Society National Meeting*, August 2019, San Diego, CA
20. Oral Presentation. *Gordon Research Conference on Nucleosides, Nucleotides and Oligonucleotides*, June 2019, Newport, RI.
21. Oral Presentation. *Annual Meeting of the RNA Society*, June 2019, Krakow, Poland.

22. Oral Presentation. *Gordon Research Conference on RNA Editing*, March 2019, Lucca, Italy.
23. Oral Presentation. *American Chemical Society National Meeting*, August 2018, Boston, MA.

ISSUED U.S. PATENTS

1. "Macrocyclic kinase inhibitors and uses thereof" Liu, D. R.; **Kleiner, R. E**. U.S. Patent No. 8,975,232
2. "Macrocyclic insulin-degrading enzyme (IDE) inhibitors and uses thereof" Liu, D. R.; Maianti, J. P.; Saghatelian, A.; **Kleiner, R. E.** U.S. Patent No. 9,610,322

TRAINEES

Ph.D. students

2024-present Theodore Press
2023-present Tyler Schwarz
2022-present Dhruv Dhingani, General Exam Pass
2022-present Vincent Rinaolo, General Exam Pass
2021-present Jianwei Wang, General Exam Pass
2019-present Xuemeng Sun, General Exam Pass
2019-present Jingwei Ji, General Exam Pass
2019-present Tanner Eggert, General Exam Pass
2018-2024 Nathan Yu, Ph.D.
2018 Joy Nyaanga, Completed Master's Thesis
2017-2020 Yu Zhang, General Exam Pass
2017-2023 Kyung Seo, Ph.D.
2017-2023 Wei Dai, Ph.D.
2017-2022 Misha Nechay, Ph.D
2016-2022 A. Emilia Arguello, Ph.D.

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Postdoctoral fellows

2023-present Qais Jaber, Ph.D.
2021-2023 Muhan He, Ph.D.
2020-2021 Xiaojia Si, Ph.D.
2020-2021 Uday Ghanty, Ph.D.
2020-2021 Elisabeth Mairhofer, Ph.D.
2019-2022 Ang Li, Ph.D.
2018-2024 Danyang Wang, Ph.D.
2017-2019 Jennifer Villers, Ph.D.

Princeton undergraduate students, independent work

2024-present Bridget Flowers, CHM, junior paper and senior thesis
2023 Isaac Lunar, CHM, junior paper
2023-2024 Neal Reddy, MOL, junior paper and senior thesis
2022-2023 Yaakov Zinberg, MOL, junior paper and senior thesis
2021-2022 Sophia Goldberg, CHM, junior paper and senior thesis
2019-2020 Rohan Shah, MOL, junior paper and senior thesis
2018-2019 Saumya Umashankar, CHM, junior paper and senior thesis
2018 Jacqueline Dragon, CHM, junior paper

Princeton undergraduate students, summer research

2024 Cindy Chen, LEACH summer program

2022	Sebastian Castro, LEACH summer program
2021	Cindy Cheng, LEACH summer program
2020	Nancy Tran, LEACH summer program
2019	Sophia Goldberg, LEACH summer program
2018	Sarah Perkins, LEACH summer program
2017	Jared Shulkin, LEACH summer program

TEACHING EXPERIENCE

Spring 2024	Instructor, CHM 541: Chemical Biology II, Princeton University
Fall 2023	Instructor, CHM 538: Topics in Biological Chemistry, Princeton University
Spring 2023	Instructor, CHM 541: Chemical Biology II, Princeton University
Fall 2022	Instructor, CHM 538: Topics in Biological Chemistry, Princeton University
Spring 2022	Instructor, CHM 541: Chemical Biology II, Princeton University
Fall 2021	Instructor, CHM 538: Topics in Biological Chemistry, Princeton University
Fall 2020	Instructor, CHM 538: Topics in Biological Chemistry, Princeton University
Spring 2020	Instructor, CHM 541: Chemical Biology II, Princeton University
Fall 2019	Instructor, CHM 538: Topics in Biological Chemistry, Princeton University
Spring 2019	Instructor, CHM 541: Chemical Biology II, Princeton University
Fall 2018	Instructor, CHM 538: Topics in Biological Chemistry, Princeton University
Spring 2018	Instructor, CHM 541: Chemical Biology II, Princeton University
Fall 2017	Instructor, CHM 538: Topics in Biological Chemistry, Princeton University
Spring 2017	Instructor, CHM 541: Chemical Biology II, Princeton University
Fall 2015	Teaching Fellow, TPCB Principles of Chemical Biology, The Rockefeller University
Spring 2006	Teaching Fellow, Chem 27: Organic Chemistry of Life, Harvard University
Fall 2006	Teaching Fellow, Chem 280: Macromolecular Structure and Function, Harvard University

SERVICE ACTIVITIES

Princeton University service

2020-present	Graduate Studies Committee, Department of Chemistry
2019-2022	Committee on Examinations and Standing
2016-present	Faculty Fellow, Forbes College
2004-2005	Committee on the Course of Study
2004-2005	President's Award for Distinguished Teaching Selection Committee

Other professional activities

2024	Organizer for New York Academy of Science (NYAS) Meeting "Chemical Biology of Nucleic Acids"
2024	*Ad hoc* member, NIH Chemical Biology and Probes (CBP) Study Section
2022-2024	Guest editor for *RSC Chemical Biology* themed collection: The Epitranscriptome
2022	*Ad hoc* member, NIH Synthetic and Biological Chemistry A (SBCA) Study Section
2016-present	Reviewer for *Nature Chemical Biology*, *Nature Chemistry*, *Nature Biotechnology, Nature Structural and Molecular Biology*, *Nature Reviews Genetics, Nature Communications, Nucleic Acids Research, Journal of the American Chemical Society*, *ACS Chemical Biology, ACS Biochemistry*, *Angewandte Chemie*, *RSC Chemical Biology*, *ChemBioChem*
2016-present	RNA Society, Member
2016-present	American Chemical Society, Member