Libin Ye, Ph.D., Assistant Professor

Research Interests:	Molecular Pharmacology of GPCRs
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Lab website:	www.libinye.com

Education and Research Experiences

Member	H. Lee Moffitt Cancer Center & Research Institute, Tampa, FL, USA, 2019—
Assistant Professor	Department of Molecular Biosciences (department name change in 2023), University of South Florida, Tampa, FL, USA, 2018—
Postdoctoral Fellow	Department of Chemistry, Biochemistry, University of Toronto, ON, Canada, 2013—2018
Postdoctoral Fellow	Department of Structural Biology, University of Pittsburgh Medical Center, PA, USA, 2012—2013
Postdoctoral Fellow	Carl R. Woese Institute for Genomic Biology and Energy Biosciences Institute, University of Illinois at Urbana-Champaign, IL, USA, 2011—2012
Faculty Member	Department of Food Science and Biological Engineering, Zhejiang Gongshang University, Zhejiang Province, P. R. China, 2009-2011. Co-Investigator/Postdoctoral Fellow, Infectious Disease Department, University Medical Centre, Freiburg University, Germany, 2010-2011
Ph.D. Degree	Department of Microbiology, Nanjing Agricultural University, Nanjing, Jiangsu Province, P. R. China, 2004—2008 In collaboration with Shanghai Institute of Materia Medica, Chinese Academy of Sciences and Shanghai Academy of Agricultural Sciences (graduated half-year ahead of the schedule)
B.S. Degree	Department of Microbiology, Zhejiang A & F University, Hangzhou, Zhejiang Province, P. R. China, 1996—2000

Active Grants

1. 1R01GM149659 (PI, 10th percentile, $1,194,392) 04/01/2023-03/31/2027
   The Role of Intermediate Conformations in G protein-coupled Receptor Signaling
2. National Magnetic Lab (PI, $15,000) 10/25/2021-10/24/2023
3. USF PEG Grant (PI, $25,000) 05/01/2022-04/30/2023

Pending Grants

4. NIH R21(PI, 13th percentile, $406,843) 07/01/2023-06/30/2025
   The Role of G Protein-coupled Receptors in Red Tide Dinoflagellate Bioluminescence
5. Florida Breast Cancer Foundation (PI, $100,000) 07/01/2023-06/30/2024

Completed Grants

6. NSF RAPID:2030033 (co-PI, $167,568) 05/15/2020-04/30/2021
   Sterilization Mechanism of Corona Discharge for Masks and Environment
7. USF COVID-19 Initiative (co-PI, $25,000) 04/21/2020-10/31/2020
   Sterilization Mechanism of Corona Discharge for Masks and Environment
8. USF Nexus Initiative (PI, $9,300) 07/01/2019-06/30/2020
   Deciphering Tamoxifen-Resistant Breast Cancer Signaling

Publications (*corresponding author)

1. Xudong Wang, Chris Neale, Soo-Kyung Kim, William A. Goddard, **Libin Ye***. Intermediate-state-trapped mutants pinpoint sequential activation process of G protein-coupled receptor.

Nature Communications, 2023, 14(1):1325

2. Jesper J. Madsen, **Libin Ye**, Thomas Frimurer, Ole Olsen. Mechanistic basis of GPCR activation explored by ensemble refinement of crystallographic structures. ***Protein Science***, 2022, e4456.
3. Xudong Wang, Nabila Bushra, Martin Muschol, Jesper J Madsen, **Libin Ye***. An in-membrane NMR spectroscopic approach probing native ligand-GPCR interaction. ***International Journal of Biological Macromolecules*****,** 2022, 206:911-916.
4. **Libin Ye***, Xudong Wang, Aidan McFarland, and Jesper J. Madsen. ^{19}F NMR—A promising tool for dynamic conformational studies of G protein-coupled receptors. ***Structure***, 2022, 30(10): 1372-1384 (Review).
5. Sriram S.K.S. Narayanan, Xudong Wang, Jose Paul, Vladislav Paley, Zijian Weng, **Libin Ye***, Ying Zhong*. Disinfection and electrostatic recovery of N95 respirators by Corona Discharge for safe reuse. ***Environmental Sciences & Technology***, 2021: doi.org/10.1021/acs.est.1c02649.
6. Dennis D. Fernandes, Chris Neale, Gregory-Neal W. Gomes, Yuchong Li, Aimen Malik, Adi Pandey, Alex Orazietti, Xudong Wang, **Libin Ye***, R. Scott Prosser*, and Claudiu C. Gradinaru*. Ligand modulation of the conformational dynamics of the A_{2A} adenosine receptor revealed by single-molecule fluorescence. ***Scientific Reports***, 2021, 11(1):5910.
7. Wenjie Zhao, Xudong Wang, **Libin Ye***. Expression and purification of yeast-derived GPCR, Gα and G$\beta\gamma$ subunits for structural and dynamic studies, ***Bio-protocol***, 2021,11(4):e3919
8. Xudong Wang, Wenjie Zhao, Sameer Al-Abdul-Wahid, Yiming Lu, Tao Cheng, Jesper Madsen, **Libin Ye***. Tri-fluorinated keto-enol tautomeric switch in probing domain rotation of a G protein-coupled receptor. ***Bioconjugate Chemistry***, 2021, 32(1): 99-105.
9. Xudong Wang, Aidan McFarland, Jesper J. Madsen, Eric Aalo, **Libin Ye***. The potential of ^{19}F NMR application in GPCR biased drug discovery. ***Trends in Pharmacological Sciences***, 2021, 42(1):19-30. (Review)
10. Guang-Qiang Yin, Sneha Kandapal, Chung-Hao Liu, Heng Wang, Shu-Ting Jiang, Tan Ji, Yu Yan, Sandra Khalife, **Libin Ye**, Bingqian Xu, Hai-Bo Yang, Mu-Ping Nieh, Xiaopeng Li*. Metallo-helicoid with double rims:polymerization followed by folding via intramolecular coordination. ***Angewandte Chemie International Edition***, 2021, 60(3): 1281-1289.
11. **Libin Ye**, Chris Neale, Adnan Sljoka, Dmitry Pichugin, Nobuyuki Tsuchimura, Sacha T. Larda, Eps van Ned, Regis Pomes, Angel E. Garcia, Roger Sunahara, Oliver P. Ernst, R. Scott Prosser. Bidirectional allosteric modulation of the A_{2A} adenosine G protein-coupled receptor by physiological cations. ***Nature Communications,*** 2018, 9(1):1372
12. **Libin Ye,** Alexander P. Orazietti, Aditya Pandey, Scott Prosser. High-efficiency expression of yeast-derived G protein-coupled receptor and ^{19}F labeling for dynamical studies. ***Methods in Molecular Biology (Book chapter),*** 2018, 1688: 407-421.
13. Taehun Kim, Pedram Mehrabi, Zhong Ren, Adnan Sljoka, Christopher Ing, Alexandr Bezginov, **Libin Ye**, Regis Pomes, R. Scott Prosser, Emil F Pai. The role of dimer asymmetry and subunit dynamics in enzyme catalysis. ***Science,*** 2017,355(6322): DOI: 10.1126/science.aag2355
14. **Libin Ye**, Ned Van Eps, Marco Zimmer, Oliver P. Ernst, R. Scott Prosser. Activation of A_{2A} adenosine G protein-coupled receptor by conformational selection. ***Nature,*** 2016, 533: 265–268. (F1000Prime recommended)
15. Roberto Brea, Christian Cole, Brent Lyda, **Libin Ye**; Scott Prosser, Roger Sunahara, Neal Devaraj. In situ reconstitution of the adenosine A_{2A} receptor in spontaneously formed synthetic liposomes. ***Journal of the American Chemical Society,*** 2017, 139(10): 3607-3610.
16. **Libin Ye**, Suvrajit Maji, Piraveen Gopalasingam, Evgeniy Gorbunov, Sergey Tarasov, Oleg Epstein and Judith Klein-Seetharaman. Structure and dynamics of insulin receptor: implication for receptor activation and drug discovery. ***Drug Discovery Today,*** 2017, 22(7): 1092-1102.
17. **Libin Ye**, Hongjian Zheng, Zhong Zhang, Yan Yang. Preparative isolation of 5 antioxidant constituents from the medicinal mushroom *Phellinus baumii* (Agaricomycetes) by high-speed countercurrent chromatography and preparative high-performance liquid chromatography. ***International Journal of Medicinal Mushrooms***, 2017, 19(4):319-326.

18. **Libin Ye,** Ned van Eps, Oliver P. Ernst, and Scott Prosser. Utilizing tagged paramagnetic shift reagents to monitor protein dynamics by NMR. ***BBA-Proteins and Proteomics***, 2017, 1865 (11): 1555-1563.
19. Scott Prosser, **Libin Ye**, Aditya Pandey, Alexander Oraietti. Activation processes in ligand-activated G protein-coupled receptors: A case study of the adenosine A_{2A} receptor. ***Bioessays***, 2017, DOI: 10.1002/bies.201700072.
20. **Libin Ye**, Sacha T. Larda, Yi Feng Frank Li, Aashish Manglik, R. Scott Prosser. A comparison of chemistry shift sensitivity of trifluoromethyl tags: optimizing resolution in 19F NMR studies of proteins. ***Journal of Biomolecular NMR***, 2015, 62(1): 97-103.
21. **Libin Ye***, Xiaolin Zheng, Hongjian Zheng. Effect of *sypQ* gene on poly-N-acetylglucose-amine biosynthesis in *Vibrio parahaemolyticus* and its role in infection process. ***Glycobiology***, 2014, 24(4): 351-358.
22. **Libin Ye,** Xiaoyun Su, George Schmit, Young Hwan Moon, Roderick I. Mackie, Isaac K. O. Cann. Molecular and biochemical analyses of the GH44 module from CbMan5BCel44A, a bifunctional enzyme from the hyperthermophilic bacterium *Caldicellulosiruptor bescii*. ***Applied and Environmental Microbiology***, 2012; 7048-7059
23. **Libin Ye***, Lu Xu, Jianrong Li. Preparation and anticoagulant activity of a fucosylated polysaccharide sulfate from a sea cucumber *Acaudina molpadioidea*. ***Carbohydrate Polymers***, 2012, 87(3): 2052-2057.
24. **Libin Ye***, Xiaolin Zheng, Jingsong Zhang*****, Qingqiu Tang, Yan Yang, Xiangyang Wang, Jianrong Li, Yan Fang Liu, Yingjie Pan. Biochemical characterization of a proteoglycan complex from an edible mushroom from *Ganoderma lucidum* fruiting bodies and its immunoregulatory activity. ***Food Research International***, 2011, 44(1): 367-372.
25. **Libin Ye**, Jingsong Zhang, Shuan Zhou, Sheng Wang, Di Wu, Yinjie Pan. Preparation of a novel sulfated glycopeptide complex and inhibiting L1210 cell lines property in vitro. ***Carbohydrate Polymers***, 2009, 77(2): 276-279.
26. **Libin Ye,** Jingsong Zhang, Yan Yang, Shuan Zhou, Yanfang Liu, Qingjui Tang, XiuJu Du, Hui Chen, Yinjie Pan. Structural characterization of a heteropolysaccharide by NMR spectra. ***Food Chemistry***, 2009, 112: 962-966.
27. **Libin Ye**, Jingsong Zhang, Kan Zhou, Yan Yang, Shuan Zhou, Wei Jia, Ruixia Hao, Yingjie Pan. Purification, NMR study and immuno-stimulating property of a galactofucan from the fruiting bodies of *Ganoderma lucidum*. ***Planta Medica***, 2008, 74: 1-5.
28. **Libin Ye**, Jingsong Zhang, XiJun Ye, Qinjiu Tang, Yanfang Liu, Chunyu Gong, Xiuju Du, Yingjie Pan. Structural elucidation of the polysaccharide moiety of a glycopeptide (GLPCW-II) from *Ganoderma lucidum* fruiting bodies. ***Carbohydrate Research***, 2008, 343: 746-752.
29. **Libin Ye**, Jianrong Li, Jingsong Zhang, Yingjie Pan. NMR characterization for polysaccharide moiety of a glycopeptide. ***Fitoterapia***. 2010, 81: 93-96.
30. **Libin Ye**, Jingsong Zhang, Yingjie Pan. Application of NMR techniques in structural analysis of polysaccharide from edible fungi. ***Acta Edulis Fungi***, 2007, 14(4): 68-75.
31. **Libin Ye**, Xiaolin Zheng, Jingsong Zhang, Yan Yang, Yucheng Meng, Jianrong Li, Wei Chen, Yingjie Pan. Composition analysis and immunomodulatory capacity of peptidoglycan from Lingzhi or Reishi medicinal mushroom, *Ganoderma lucidum* (W. Curt.: Fr.) P. Karst. strain 119 (Aphyllophoromycetideae). ***International Journal of Medicinal Mushroom***, 2010, 12(2): 157-165.
32. Christian Theilacker, Zhigniew Kaczyriski, Andrea Kropec, Irina Sava, Libin Ye, Anna Bychowska, Otto Holst, Johannes Huebner. Serodiversity of opsonic antibodies against Enterococcus faecalis-glycans of the cell wall revisited. ***PLoS One***, 2011, 6(3): e17839.
33. Yan Yang, **Libin Ye**, Jingsong Zhang, Yanfang Liu, Qinjiu Tang, Wei Jia. Structural analysis of a bioactive polysaccharide, PISP1, from the medicinal mushroom, *Phellinus igniarius*. ***Bioscience, Biotechnology, and Biochemistry***, 2009, 73(1): 134-139.
34. Xiuju Du, Jinsgon Zhang, Yan Yang, **Libin Ye**, Qinjiu Tang, Wei Jia, Yanfang Liu, Shuan Zhou, Ruixiang Hao, Chunyu Gong, Yingjie Pan. Structural elucidation and immuno-stimulating activity of an acidic heteropolysaccharide (TAPA1) from *Tremella aurantialba*. ***Carbohydrate Research***, 2009, 344(5): 672-678.

Patents

1. **Libin Ye**, Xudong Wang. A high-throughput NMR approach for in-membrane protein ligand screening. US17/677,249, Sep.22, 2022
2. Ying Zhong, **Libin Ye.** Corona discharge-based sterilization. US17/210,184, Sep.23, 2021

Conference Oral Presentations

1. **Libin Ye.** Application of ^{19}F-qNMR in trapping GPCR intermediate-states for biased drug evaluation. Cambridge Healthtech Institute's GPCR-based Drug Discovery Conference, Sept. 26-27, 2023, Boston, MA, US. (upcoming one, invited for a talk)
2. **Libin Ye.** The potential of ^{19}F NMR application in GPCR biased signaling study. FASEB conference: The G protein-coupled receptor kinases and arrestins conference key modulators of signal transduction. Aug. 21st-26th, 2022, Jupiter, FL, USA
3. **Libin Ye.** A high-throughput in-membrane ligand-GPCR interaction system for large-scale drug screening. The 3rd International Conference on Pharmscience Research&Development, San Francisco, CA (online due to COVID-19), Feb. 22nd-24th, 2021
4. **Libin Ye**. Bidirectional allosteric activation of A_{2A}R by cations. May 28th- Jun. 1st, 2017. 100th Canadian Chemistry Conference and Exhibition, Toronto, Canada.
5. **Libin Ye**. Understanding of GPCR dynamics and activation by solution NMR and DEER spectroscopy. Oct. 14th, 2016. 17th Annual G Protein-Coupled Receptor (GPCR) Retreat, Chicago, USA.
6. **Libin Ye**. The model of A_{2A} adenosine G protein-coupled receptor activation. June 9th, 2016. Halifax, 99th Canadian Chemistry Conference and Exhibition, Halifax, Canada.

Invited Oral Presentations

1. **Libin Ye.** NMR in GPCR Drug Discovery: An ongoing revolution from a static single structure to dynamic conformational ensembles. Mar. 24th, 2021. Department of Chemistry, University of South Florida, Tampa, FL, USA.
2. **Libin Ye.** The Great American Teach Lecture: Biosafety. Nov.19th, 2020. Lawton Chiles Elementary, Tampa, FL, USA.
3. **Libin Ye**. How to rationally design a biased drug for GPCR?—From conformational heterogeneity to functional diversity. Dec.16th, 2019, University of Miami, Miami, USA.
4. **Libin Ye**. How to rationally design a biased drug for GPCR?—The application of ^{19}F NMR in biased drug discovery. Nov.21st, 2019, Harvard Medical School, USA.
5. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. Jun. 11th, 2019, Zhejiang University, Zhejiang, China.
6. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. Jun. 4th, 2019, Zhejiang University of Technology, Zhejiang, China.
7. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. Jun. 3rd, 2019, Shanghai Jiaotong University, Shanghai, China.
8. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. May 31st, 2019, East China Normal University, Shanghai, China.
9. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. May 29th, 2019, East China University of Science and Technology, Shanghai China.
10. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. May 28th, 2019, Shanghai Academy of Agricultural Sciences, China.
11. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. May 27th, 2019, Shanghai Ocean University, Shanghai China.
12. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. May 25th, 2019, Institute of Biophysics, Chinese

Academy of Sciences, Beijing, China.

13. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. May 24th, 2019, Beijing Institute of Technology, Beijing, China.
14. **Libin Ye**. A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. May 23rd, 2019, Peking University, Beijing, China.
15. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. May 21st, 2019, China Agricultural University, Beijing, China.
16. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. May 17th, 2019, Institute of Process Engineering, Chinese Academy of Sciences, Beijing, China.
17. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. May 16th, 2019, Chinese Academy of Agricultural Sciences, Beijing, China.
18. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. May 14th-15th, 2019, School of Engineering and School of Life Sciences, Nanjing Agricultural University, Jiangshu, China.
19. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. May 13th, 2019, School of Basic Medical Sciences, Nanjing Medical University, Jiangshu, China.
20. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. May 10th, 2019, Jiangnan University, Jiangshu, China.
21. **Libin Ye**. How to design a biased drug?—A conformational transition study of A_{2A} adenosine receptor by ^{19}F NMR spectroscopy. May 9th, 2019, Suzhou University, Jiangshu, China.
22. **Libin Ye**. Molecular underpinnings of GPCR activation and allostery by ^{19}F NMR spectroscopy. Jan 10th, 2018, North Carolina State University, Raleigh, USA.
23. **Libin Ye**. Mechanistic insight into allosteric regulation of the A_{2A} adenosine G-protein-coupled receptor by physiological cations. May 15th-19th, 2017. Cold Spring Harbor Asia (CSHA)—Membrane Protein: Structure and Function, Suzhou, China.
24. **Libin Ye**. The mechanisms of A_{2A} adenosine G protein-coupled receptor activation. June 13th, 2016. Medical Science Building, University of Toronto, Canada.
25. **Libin Ye**. The model of A_{2A} adenosine G protein-coupled receptor activation. May 12th, 2016. NMR seminar, University of Toronto, Canada.
26. **Libin Ye**. Signal transduction and structural investigations revealing interaction mechanism of a novel antibody with IFN-γ receptor complex. May 13th, 2013. University of Georgia, USA.
27. **Libin Ye**. Molecular and biochemical analyses of the GH44 module from CbMan5B/Cel44A (Cb1946). Oct. 10th, 2012. University of Pittsburg, USA.
28. **Libin Ye**. Hydrolysis elucidation for a polysaccharide by MS and NMR spectra. Sep. 10th, 2012. Van Andel Institute, USA.

Didactic Teaching in Addition to Graduate Mentoring

2019.01-2019.05	Molecular Biology of the Gene (undergraduate, student number: 25) (evaluation: 4.25/5.0)
2019.01-2019.05	Molecular Biology of the Gene (graduate, student number: 6) (evaluation: 4.33/5.0)
2019.08-2019.12	Contemporary Biology (graduate, student number: 24) (evaluation: 4.60/5.0)
2020.01-2020.05	Molecular Biology of the Gene (undergraduate, student number: 34) (evaluation:4.20/5.0, online teaching due to COVID-19)
2020.08-2020.12	Molecular Biology of the Gene (undergraduate, student number: 50) (evaluation: 4.00/5.0, online teaching due to COVID-19)

2020.08-2020.12 Molecular Biology of the Gene (graduate, student number: 10) (evaluation: 4.4/5.0, online teaching due to COVID-19)
2021.01-2021.05 General Microbiology (undergraduate, student number: 188) (evaluation: 3.62/5.0, online teaching due to COVID-19)

Academic Memberships

1. CCSG (H. Lee Moffitt Cancer Center)
2. American Association for The Advancement of Science (AAAS)
3. Biophysical Society
4. American Society for Biochemistry and Molecular Biology

External Chairs for Ph.D./MS Thesis Defenses

1. External chair for Nawal Khadka Ph.D. Thesis Defense, Department of Physics, University of South Florida, Jun. 25th, 2019
2. External chair for Tyler Huff Ph.D. Thesis Defense, Department of Human Genetics, Miami University, Dec.16th, 2019
3. External chair for Chinta Aryal Ph.D. Thesis Defense, Department of Physics, University of South Florida, Oct.14th, 2020
4. External chair for Darrick Hay Ph.D. Thesis Defense, Department of Physics, University of South Florida, Oct.23rd, 2020
5. External chair for Jing Wang Master Thesis Defense, Department of Chemistry, University of South Florida, Oct.2nd, 2020.
6. External chair for Chiyu Wei Ph.D. Thesis Defense, Department of Chemistry, University of South Florida, Nov. 11th, 2021
7. External chair for Teng Yuan Ph.D. Thesis Defense, Department of Chemistry,University of South Florida, Nov. 19th, 2021
8. External chair for Shuyao Zhang Ph.D. Thesis Defense, Department of Chemistry,Univerity of South Floria, Oct. 26th, 2022

Members for Ph.D./MS Committees

1. Xudong Wang, Ph.D., Department of Cell Biology, Microbiology and Molecular Biology, Sep. 2022-May, 2025/2026 (promoted student).
2. Aidan McFarland, Ph.D., Department of Cell Biology, Microbiology and Molecular Biology, Sep. 2020-May 2025.
3. Shun Teng, Ph.D., Department of Chemistry, Sep. 2020-Dec. 2022.
4. Shuyao Zhang, Ph.D. Department of Chemistry, Sep.2020-Dec.2022.
5. Sriram Sundar Shankara Narayanan, Department of Physical Engineering, Jan. 2020-Dec. 2021.
6. Jingwen Wei, Ph.D., Department of Chemistry, Jan.2019-Dec.2023
7. Mengjia Liu, Ph.D., Department of Chemistry, Jan.2019-Dec.2023
8. Matthew Saunders, Ph.D., Department of Cell Biology, Microbiology and Molecular Biology, Sep.2017-May 2024
9. Wenjie Zhao, MS, Department of Cell Biology, Microbiology and Molecular Biology, Sep.2019-May 2021
10. Emily Gregory-Lott, Department of Cell Biology, Microbiology and Molecular Biology, Sep.2018-May 2023
11. Pirada Higbee, Ph.D., Department of Cell Biology, Microbiology and Molecular Biology, Sep.2017-May 2023
12. Abdullah Revaha Akdemir, MS, Department of Engineering, Sep. 2019-May 2021

Editorial Member/Scientific Reviewer

1. Ad hoc reviewer: Nature Communications, Journal of the American Chemical Society, QRB Discovery, Cellular and Molecular Life Sciences, Carbohydrate Polymers, Enzyme and Microbial Technology, Genes & Diseases, International Journal of Biological

Macromolecules, JoVE, etc.
2. Ad hoc grant reviewer: National High Magnetic Field Laboratory Users Program
3. Ad hoc grant reviewer: Poland National Center

Conference Services

Session Chair: The 3rd International Conference on Pharmscience Research&Development, San Francisco, CA (online due to COVID-19), Feb. 22nd-24th, 2021.

National Committees

2021 Macromolecular Structure and Function C Study Section, NIH