Siddhesh S. Kamat, Ph.D.
Associate Professor (Biology)
SwarnaJayanti Fellow
EMBO Young Investigator

Indian Institute of Science Education and Research
Dr. Homi Bhabha Road, Pashan, Pune 411008
Tel: +91-20-25908433
Email: siddhesh@iiserpune.ac.in
Website: www.kamatlabiiser.com

Educational Qualifications

2007-12 Ph.D., Department of Chemistry, Texas A&M University (Advisor: Frank M. Raushel)
2003-07 B. Tech. (Pharmaceuticals & Fine Chemicals), UDCT Mumbai (Advisor: K. G. Akamanchi)

Professional Positions

2022 – present SwarnaJayanti Fellow, IISER Pune, India.
2021 – present Chair, National Facility for Gene Function in Health and Disease, IISER Pune, India.
2020 – present EMBO Young Investigator, IISER Pune, India.
2020 – present Adjunct Faculty, Department of Biological Sciences, TIFR Mumbai, India.
2019 – present Associate Professor (Department of Biology), IISER Pune, India.
2016 – 2021 Adjunct Faculty, Department of Chemistry, IISER Pune
2016 – 2021 Intermediate Fellow, DBT/Wellcome Trust India Alliance, IISER Pune, India.
2016 – 2019 Assistant Professor (Department of Biology), IISER Pune, India.
2013 – 2016 9th Irving S. Sigal ACS Postdoctoral Fellow, Scripps Research, CA, USA (Advisor: Benjamin F. Cravatt).

Awards & Fellowships (since joining IISER Pune)

2021 SwarnaJayanti Fellowship (Life Sciences category)
2021 CDRI Award for Excellence in Drug Research (Life Sciences category)
2020 EMBO Young Investigator Award
2019 Merck Young Scientist Award in Biological Sciences
2019 Indian National Science Academy (INSA) Young Scientist Medal
2019 UDCT Distinguished Alumni Award – Young Achiever
2017 Early Career Research Award (SERB)
2016 DBT/Wellcome Trust India Alliance, Intermediate Fellowship

Research Grants (since joining IISER Pune)

2023-25 DBT, Infectious Biology Special grant (co-PI, Rs. 2,64,91,600)
2022-27 SwarnaJayanti Fellowship, SERB (PI, Rs. 4,98,95,600)
2020-25 Young Investigator Grant, EMBO (PI, ~ Rs. 41,00,000)
2020-23 Core Research Grant, SERB (PI, Rs. 60,19,400)
2020-23 STAG on Medical Biotechnology, DBT (Co-PI, Rs. 34,38,360)
2017-20 Early Career Research Award, SERB (PI, Rs. 46,92,671)
2016-21 Intermediate Fellowship, DBT/Wellcome Trust India Alliance (PI, Rs. 3,51,18,504)

Memberships (since joining IISER Pune)

- Elected Memberships: Royal Society of Chemistry (RSC) (2022); Guha Research Conferences (2022)
- Life Member: Society of Biological Chemists (India) (SBCI); Chemical Research Society of India (CRSI); UDCT Alumni Association (UAA)
- Annual Memberships: International Chemical Biology Society (ICBS); American Chemical Society (ACS)

Professional Activities (since joining IISER Pune)

- Editorial Board Member: British Journal of Pharmacology (December 2022 – present), Journal of Biological Chemistry (July 2023 – present)
- Department of Biotechnology (DBT) (i) Technical Evaluation Committee (TEC) Member on Chronic Disease and Neurobiology (2022 – present); (ii) Selection Committee Member of the MK Bhan Research Fellowship (2022 – present)
- Adhoc Reviewer for Nature, Nature Chemical Biology, Cell Chemical Biology, Nature Communications, JACS, Angewandte Chemie, ACS Chemical Biology, Disease Models and Mechanisms, JBC, Biochemistry.

Research Publications: From IISER Pune (2016 – present) (*denotes corresponding author and/or lead contact)

1. Walvekar, A., Pandey, S., **Kamat, S. S.**, Damodar, S., Ladher, R., Vyas, N. (2023) Morphogenic versus mitogenic roles of Shh are segregated on distinct exosomes regulated by cellular Rab7 levels (*Under Review* at Development). [Biorxiv Preprint: https://doi.org/10.1101/2023.06.27.546648]
2. Talwadekar, M., Khatri, S., Balaji, C., Chakraborty, A., Basak, N. P., **Kamat, S. S.***, Kolthur-Seetharam, U.* (2023) Metabolic transitions regulate global protein fatty acylation (*Under Review* at J. Biological Chemistry). [Biorxiv Preprint: https://doi.org/10.1101/2023.06.20.545712]
3. Vaidya, K., Rodrigues, G., Gupta, S., Devarajan, A., Yeolekar, M., Madhusudhan, M. S.*, **Kamat, S. S**.* (2023) Identification of sequence determinants for the ABHD14 enzymes (*Under Review* at Proteins: Structure, Function and Bioinformatics). [Biorxiv Preprint: https://doi.org/10.1101/2023.07.30.551196]
4. Sen, D., Maniyadath, B., Khatri, S., Chakraborty, A., Mehendale, N., Chowdhury, S., Nadagouda, S., Kaur, A., **Kamat, S. S.**, Kolthur-Seetharam, U. (2023) Interplay between CTCF and feed-fast cycles rewires hepatic transcription and metabolism, ***iScience*** 26 (7), 107128.
5. Kumari, P., Kaul, G., Kumar, A., Akhil, A., Shukla, M., Sharma, S., **Kamat, S.S.***, Chopra, S.*, Chakrapani, H.* (2023) Heterocyclic diaryliodonium-based inhibitors of Carbapenem-resistant *Acinetobacter baumannii* (CRAB), ***Microbiology Spectrum*** 11 (2), e04773-22.
6. Mehdiratta, K., Nain, S., Sharma, M., Singh, S., Srivastva, S., Dhamale, B D., Mohanty, D., **Kamat, S. S.**, Natarajan, V. T., Sharma, R., Gokhale, R. S. (2023) Respiratory quinone switch from menaquinone to polyketide quinone during the development cycle in Streptomycin sp. MNU77, ***Microbiology Spectrum*** 11 (1), e02597-22.
7. Mondal, S., Kinatukara, P., Singh, S., Shambhavi, S., Patil, G. S., Dubey, N., Singh, S. M., Pal, B., Shekar, P. C., **Kamat, S. S.**, Sankarnarayanan, R. (2022) Dip2 is a unique regulator of diacylglycerol lipid homeostasis in eukaryotes, ***eLife*** 11, e77665.
8. Rajendran, A., Soory, A., Khandelwal, N., Ratnaparkhi, G. S., **Kamat, S. S.*** (2022) A multi-omics analysis reveals that the lysine deacetylase ABHD14B influences glucose metabolism in mammals, ***J. Biological Chemistry*** 298 (7), 102128, 1- 14.
9. Kumar, S., Khan, M. Z., Khandelwal, N., Chongtham, C., Singha, B., Dabla, A., Behera, D., Singh, A., Gopal, B., Arimbasseri, G. A., **Kamat, S. S.**, Nandicoori, V. K. (2022) *Mycobacterium tuberculosis* transcription factor, EmbR, regulates the expression of key virulence factors that aid in ex vivo and in vivo survival, ***mBio*** 13 (3), e03836-21.
10. Mehdiratta, K., Singh, S., Sharma, S., Bhosale, R. S., Choudhary, R., Masal, D. P., Manocha, A., Dhamale, B. D., Khan, N., Vivekanand, A., Sharma, P., Ikeh, M., Brown A. C., Parish, T., Ojha, A., Michael, J. S., Faruq, M., Medigeshi, G. R., Mohanty, D., Reddy, D. S., Natarajan, V. T., **Kamat, S. S.***, Gokhale, R. S.* (2022) Kupyaphores are zinc homeostatic metallophores required for colonization of *Mycobacterium tuberculosis*, ***PNAS*** 119(8), e2110293119.
11. Mehendale, N., Mallik, R. M., **Kamat, S. S.*** (2021) Mapping sphingolipid metabolism pathways during phagosomal maturation, ***ACS Chemical Biology*** 16(12), 2757-2765. *Featured on the December 2021 issue front cover of ACS Chemical Biology*
12. Singh, S., **Kamat, S. S.*** (2021) The loss of enzymatic activity of the PHARC associated lipase ABHD12 results in increased phagocytosis that causes neuroinflammation, ***European Journal of Neuroscience*** 54(10), 7442-7457.
13. Bora, P., Manna, S., Nair, M., Sathe, R. R., Singh, S., Adury, V. S. S., Gupta, K., Mukherjee, A., Saini, D. K., **Kamat, S. S.**, Hazra, A. B., Chakrapani, H. (2021) Leveraging an enzyme/artificial substrate system to enhance cellular persulfides and mitigate neuroinflammation, ***Chemical Science*** 12, 12939-12949.
14. Khandelwal, N., Shaikh, M., Mhetre, A., Singh, S., Sajeevan, T., Joshi, A., Balaji, K. N., Chakrapani, H., **Kamat, S. S.*** (2021) Fatty acid chain length drives lysophosphatidylserine dependent immunological outputs, ***Cell Chemical Biology*** 28, 1169-1179. *Featured on August 2021 issue front cover of Cell Chemical Biology*
15. Kumar, K., Mhetre, A., Ratnaparkhi, G. S., **Kamat, S. S.*** (2021) A superfamily-wide activity atlas of serine hydrolases in *Drosophila melanogaster*, ***Biochemistry*** 60 (16), 1312-1324.
16. Kinatukara, P., Subramaniyan, P. S., Patil, G. S., Shambhavi, S., Singh, S., Mhetre, A., Madduri, M. K., Soundararajan, A., Patel, K. D., Shekar, P. C., **Kamat, S. S.**, Kumar, S., Sankaranarayanan, R. (2020) Peri-natal growth retardation rate and fat mass accumulation in mice lacking Dip2A is dependent on the dietary composition, ***Transgenic Research*** 29, 553-562.
17. Lote-Oke, R., Pawar, J., Kulkarni, S., Sanas, P., Kajale, N., Gondhalekar, K., Khadilkar, V., Kamat, S. S., Khadilkar, A. (2020) A LC-MS method for 25-hydroxy-vitamin D3 measurements from dried blood spots for an epidemiological survey in India, ***Scientific Reports*** 10, 19873.
18. Singh, S., Joshi, A., **Kamat, S. S.*** (2020) Mapping the neuroanatomy of ABHD16A-ABHD12 & lysophosphatidylserines provides new insights into the pathophysiology of the human neurological disorder PHARC, ***Biochemistry*** 59 (24), 2299-2311.
19. Chattopadhyay, T., Maniyadath, B., Bagul, H. P., Chakraborty, A., Shukla, N., Budnar, S., Rajendran, A., Shukla, A., **Kamat, S. S.**, Kolthur-Seetharam, U. (2020) Spatiotemporal gating of SIRT1 functions by O-GlcNAcylation is essential for liver metabolic switching and prevents hyperglycemia, ***PNAS*** 117, 6890-6900.
20. Rajendran, A., Vaidya, K., Mendoza, J., Bridwell-Rabb, J., **Kamat, S. S.*** (2020) Functional annotation of ABHD14B, an orphan serine hydrolase enzyme, ***Biochemistry*** 59 (2), 183-196. *Featured in Future of Biochemistry – Asia Pacific issue*
21. Kumar, M., Ojha, S., Rai, P., Joshi, A., **Kamat, S. S.***, Mallik, R. M.* (2019) Insulin activates intracellular transport of lipid droplets to release triglycerides from the liver, ***J. Cell Biology*** 218, 3697-3713.

22. Kulkarni, A., Soni, I., Kelkar D. S., Dharmaraja, A. T., Sankar, R. K., Beniwal, G., Rajendran, A., Tamhankar, S., Chopra, S.*, **Kamat, S. S.***, Chakrapani, H.* (2019) Chemoproteomics of an indole-based quinone-epoxide identifies druggable vulnerabilities in Vancomycin-resistant *Staphylococcus aureus*, ***J. Medicinal Chemistry*** 62, 6785-6795.
23. Malik, S. A., Acharya, J., Mehendale, N., **Kamat, S. S.**, Ghaskadbi, S. (2019) Pterostilbene reverses palmitic acid mediated insulin resistance in HepG2 cells by reducing oxidative stress and triglyceride accumulation, ***Free Radical Research*** 53, 815-827.
24. Kelkar, D. S., Ravikumar, G., Mehendale, N., Singh, S., Joshi, A., Sharma, A. K., Mhetre, A., Rajendan, A., Chakrapani, H., **Kamat, S. S.*** (2019) A chemical genetic screen identifies ABHD12 as an oxidized phosphatidylserine lipase, ***Nature Chemical Biology*** 15, 169-178.
25. Chaplot, K., Pimpale, L., Ramalingam, B., Deivasigamani, S., **Kamat, S. S.**, Ratnaparkhi, G. S. (2019) SOD1 activity thresholds and TOR signaling modulate VAP(P58S) aggregation via ROS-induced proteasomal degradation in a *Drosophila* model of Amylotrophic Lateral Sclerosis, ***Disease Models & Mechanisms*** 12, dmm.033803, 1-15. *Featured on February 2019 issue front cover of Disease Models & Mechanisms*
26. Abhyankar, V., Kaduskar, B., **Kamat, S. S.**, Deobagkar, D., Ratnaparkhi, G. S. (2018) *Drosophila* DNA/RNA methyltransferase contributes to robust host defense in ageing animals by regulating sphingolipid metabolism, ***J. Experimental Biology*** 221 (22), 1-10.
27. Joshi, A., Shaikh, M., Singh, S., Rajendran, A., Mhetre, A., **Kamat, S. S.*** (2018) Biochemical characterization of the PHARC associated serine hydrolase ABHD12 reveals its preference for long chain lipids, ***J. Biological Chemistry*** 293, 16953-16963. *Featured on the November 2018 issue front cover of JBC*
28. Pathak, D., Mehendale, N., Singh, S., Mallik, R. M., **Kamat, S. S.*** (2018) Lipidomics suggests a new role for ceramide synthase in phagocytosis, ***ACS Chemical Biology*** 13, 2280-2287. *Featured on the August 2018 issue front cover of ACS Chemical Biology*
29. Rai, P., Kumar, M., Sharma, G., Barak, P., Das, S., **Kamat, S. S.**, Mallik, R. M. (2017) Kinesin-dependent mechanism for controlling triglyceride secretion from the liver, ***PNAS*** 114, 12958-12963.

Book Chapters, Reviews, News Articles: From IISER Pune (2016 – present) (*denotes corresponding author)

1. Saharan, O., **Kamat, S. S.*** (2023) Mapping lipid pathways during phagocytosis, ***Biochemical Society Transactions*** 51 (3), 1279 – 1287. *Featured on June 2023 issue front cover of Biochemical Society Transactions*
2. Shanbhag, K., Sharma, K., **Kamat, S. S.*** (2023) Photoreactive bioorthogonal lipid probes and their applications in mammalian biology, ***RSC Chemical Biology*** 4, 37 – 46. *Featured on January 2023 issue front cover of RSC Chemical Biology*
3. Saharan, O., Mehendale, N., **Kamat, S. S.*** (2022) Phagocytosis: A (Sphingo)Lipid Story, ***Current Research in Chemical Biology*** 2, article: 10030.
4. Voices of Chemical Biology (2021) ***Nature Chemical Biology*** 17, 1-4. (Question: What is the most exciting frontier area in chemical biology and what key technology is needed to advance knowledge and applications in this area?)
5. Voices of Chemical Biology (2020) ***Nature Chemical Biology*** 16, 598-599. (Question: What was the most exciting research achievement or technology innovation in chemical biology in the last five years?)
6. Shanbhag, K., Mhetre, A., Khandelwal, N., **Kamat, S. S.*** (2020) The Lysophosphatidylserines – an emerging class of signaling lysophospholipid, ***J. Membrane Biology*** 253, 381-397.
7. **Kamat, S. S.***, Singh, S. S., Rajendran, A., Gama, S., Zechel, D. L. (2020) Enzymatic strategies for the catabolism of organophosphates, ***Comprehensive Natural Products III: Chemistry & Biology***: Vol 4: Enzymes and Enzyme Mechanisms, Chapter 16, 399-429.
8. **Kamat, S. S.*** (2019) Understanding the role of molecular motors in living cells: an odyssey from physics to biology, ***Current Science*** 116, 14-16.
9. Ulrich, E., **Kamat, S. S.***, Hove-Jensen, B.*, Zechel, D. L.* (2018) Methylphosphonic acid biosynthesis and catabolism in pelagic bacteria, ***Methods in Enzymology*** Vol. 605, 351-426.

Selected Publications from Postdoc and Ph.D. (2007 – 2016)

1. **Kamat, S. S.**, Camara, K., Parsons, W. H., Chen, D. H., Dix, M. M., Bird, T. D., Howell, A. R., Cravatt, B. F. (2015) Immunomodulatory lysophosphatidylserines are regulated by ABHD16A and ABHD12 interplay, ***Nature Chemical Biology*** 11,164-171.
2. **Kamat, S. S.**, Williams, H. J., Dangott L. J., Chakrabarti, M., Raushel, F. M. (2013) The catalytic mechanism for the aerobic formation of methane by bacteria, ***Nature*** 497, 132-36.
3. **Kamat, S. S.**, Williams, H. J., Raushel, F. M. (2011) Intermediates in the transformation of phosphonates to phosphate by bacteria, ***Nature*** 480, 570-73.
4. **Kamat, S. S.**, Fan, H., Sauder, J. M., Burley, S. K., Shoichet, B. K., Sali, A., Raushel, F. M. (2011) Enzymatic deamination of the epigenetic base N-6-methyladenine, ***JACS*** 133, 2080-83.
5. **Kamat, S. S.**, Bagaria, A., Kumaran, D., Holmes-Hampton, G. P., Fan, H., Sali, A., Sauder, J. M., Burley, S. K., Lindahl, P. A., Swaminathan, S., Raushel, F. M. (2011) Catalytic mechanism and three-dimensional structure of adenine deaminase, ***Biochemistry*** 50, 1917-27.

Invited Talks since joining IISER Pune (**denotes virtual talk)

2023 EMBO Young Investigator's Annual Meeting, Milan, Italy.
2023 Student Invited Talk, DBS TIFR Mumbai, India.
2023 Redox Biology of Health and Disease, IISER Pune, India.
2023 ARUMDA Annual Meeting**, TIFR-Hyderabad, India.
2023 Mitometab meeting, 42nd Mahabaleshwar seminar series, IISER Pune, Pune, India.
2023 MBU50 meeting, IISC Bangalore, India.
2022 Annual Meeting, Society of Biological Chemists of India, Kolkata, India.
2022 NII Seminar Series, NII, New Delhi, India
2022 FEBS Advanced Course: 360° Lysosome Meeting, Kusadasi-Izmir, Turkey.
2022 Asian Chemical Biology Initiative (ABCI) Annual Meeting, IISER Pune, India
2022 Cell Biology Lecture Series, NCCS Pune, India.
2022 EMBO Young Investigator's Annual Meeting, Heidelberg, Germany.
2022 EMBO-India Investigators Network (IIN)**, India.
2022 Guha Research Conference, Bhimtal-Nainital, Uttarakhand, India.
2022 10th International Singapore Lipid Symposium (ISLS)**, National University of Singapore, Singapore.
2022 Mumbai Chapter Webinar**, Society of Biological Chemists of India, BARC Mumbai, India.
2021 Annual Meeting**, Society of Biological Chemists of India, Amity University, Haryana, India.
2021 OMICS 2021**, Proteomics Society of India Annual Meeting, CCMB Hyderabad, India.
2021 Contemporary Webinar Series**, Regional Centre for Biotechnology (RCB), Faridabad, NCR, India.
2021 Annual Talks**, Department of Biological Sciences, TIFR Mumbai, India.
2021 CDRI Award Ceremony, CDRI, Lucknow, Uttar Pradesh, India.
2021 Young Investigator's Meeting**, EMBO, Heidelberg, Germany.
2021 Annual Talks**, Department of Biological Sciences, TIFR Hyderabad, India.
2020 CCMB Biologue**, CCMB Hyderabad, India.
2020 The Cancer Genome Atlas Conference**, Center of Translational Cancer Research, Pune, India.
2020 International Symposium on Cell Surface Macromolecules, IISER Pune, India.
2019 International Chemical Biology Society, 8th Annual meeting, IICT Hyderabad, India.
2019 Young Investigator's Meeting, EMBO, Heidelberg, Germany.
2019 Advances in Mass Spectrometry Symposium, IISER Tirupati, India.
2019 Indo-UK Chemical Biology Symposium, University of Glasgow, Scotland.
2018 Proteomics Society of India 10th Annual meeting, NCCS, Pune, India.
2018 Indo-US Symposium on Understanding Biology by Proteomics & Metabolomics, NCCS, Pune, India.
2018 Proteomics Day, CSIR-NCL Pune, India.
2017 iCeMS-NCBS India Alliance Symposium, NCBS Bangalore, India.
2016 Omics to Structural Basis of Disease National Symposium, MSU Baroda, India.

Teaching Experience (since joining IISER Pune)

- Advanced Biochemistry I (Course coordinator) (Fall 2017-2022: 4 credit)
- Biology and Disease (Course instructor) (Spring 2017-19: 3 credit) (Spring 2020-23: 4 credit)
- 1st year Biology Practical Lab (Course Instructor) (Fall 2020-21: 4 credits)

Current Lab Members

1. Kavita Sharma, Postdoctoral Research Associate, IISER Chemistry
2. Kaveri Vaidya, Int. Ph.D. student, IISER Biology
3. Karthik Shanbhag, Int. Ph.D. student, IISER Biology (*PMRF Fellow*)
4. Arnab Chakraborty, Ph.D. student, IISER Biology
5. Kundan Kumar, Int. Ph.D. student, IISER Biology (joint with Girish Ratnaparkhi)
6. Sonali Gupta, Int. Ph.D. student, IISER Biology (*PMRF Fellow*)
7. Ojal Saharan, Int. Ph.D. student, IISER Biology (*PMRF Fellow*)
8. Aakash Chandramouli, Ph.D. student, IISER Biology
9. Pooja Thakral, Ph.D. student, IISER Chemistry (joint with Harinath Chakrapani)
10. Abhishek Kumar, Ph.D. student, IISER Chemistry (joint with Harinath Chakrapani)
11. Chaitanya Katkar, MS Thesis Student
12. Sreedev H, MS Thesis Student
13. Mahamaya Dhaware, Project Fellow (SRF)
14. Archit Devarajan, Intern

Alumni

1. Ines Leleu (Raman Charpak Fellow, MS Thesis, August 2018 – October 2018)
2. Sharvari Tamhankar (Project Student, January 2018 – August 2018)
3. Alaumy Joshi (Research Fellow, November 2016 – August 2019)
4. Dhanashree Kelkar, Ph.D. (Postdoc, January 2017 – January 2020)
5. Theja Sajeevan (MS Thesis Student, January 2019 – June 2020)
6. Shubham Singh, Ph.D. (Doctoral Student, August 2016 – July 2021)
7. Neelay Mehendale, Ph.D. (Doctoral Student, August 2016 – October 2021)
8. Minhaj Shaikh, Ph.D. (Doctoral Student, January 2017 – October 2021)
9. Neha Khandelwal, Ph.D. (Postdoc, April 2018 – November 2021)
10. Amol Mhetre, Ph.D. (Postdoc, August 2017 – February 2022)
11. Abinaya Rajendran, Ph.D. (Doctoral Student, August 2016 – June 2022)
12. Anisha Rai (MS Thesis Student, January 2022 – May 2023)
13. Prajwal Punnamraju (MS Thesis Student, May 2022 – May 2023)
14. Rohith C. S. (MS Thesis Student, January 2022 – May 2023)
15. Mihika Yeolekar (Intern, June 2022 – May 2023).

Conferences/Meetings Organized: From IISER Pune (2016 – present)

1. 43rd Annual conference of The Indian Association for Cancer Research, IISER Pune (January 2024)
2. Macromolecular Assemblies (structure, function and evolution), IISER Pune (August 2023)
3. EMBO India Delegation, various parts of India, including IISER Pune (March 2023)
4. IISER Pune – Weizmann Institute of Science: Conference on Chemical Biology, IISER Pune (December 2018)
5. 10th Annual Proteomics Society of India meeting, NCCS Pune (December 2018).

Science Outreach Activities: From IISER Pune (2016 – present)

1. Mentor, National Initiative for Undergraduate Sciences (Chemistry & Biology Disciple), Homi Bhabha Center for Science Education, Mumbai (2018 – present)
2. Faculty Consultant, iGEM Synthetic Biology, iGEM Grand Jamboree (2018 – present)
3. Faculty Volunteer, Science Day Open House at IISER Pune (2018 – present)
4. Faculty Volunteer, SERB Karyashala Workshop for Hands-on training in biological mass spectrometry (2021 – present)
5. Volunteer, EMBO Young Investigator Ph.D. Course (Sessions covered: Grant Game and Scientific Communication) (2023 – present)