

STATEMENT OF RESEARCH ACHIEVEMENTS

Dr. Siddhesh S. Kamat has made original and significant contributions in the field of functional annotation of uncharacterized enzymes and biological pathways, particularly lipid signaling and metabolic pathways associated with human neurological, immunological and metabolic disorders. He and his lab has developed a suite of mass spectrometry (LC-MS) based chemical proteomics and metabolomics/lipidomics technologies, and have successfully used them to address their research problems. Additionally his lab has been actively collaborating with leading researchers in India, and these LC-MS technologies have been very helpful in addressing and solving various complex biological problems. The discoveries made by his lab along with the technologies developed have tremendous translational potential and will be influential in identifying hitherto unknown pharmacological targets in numerous human diseases. He has published over 35 research papers in internationally acclaimed journals including Nature Chemical Biology, Cell Chemical Biology, PNAS, ACS Chemical Biology, J. Cell Biology, J. Biological Chemistry, Biochemistry etc. His academic achievements have been recognised by various national and international scientific forums, which include:

1. **The CDRI Award for Excellence in Drug Research 2021** (Life Sciences Category)
(https://cdri.res.in/pdf/award/CDRI_Awards_2021.pdf)
2. **EMBO Young Investigator Award 2020** (*only Indian to receive this award in 2020 amongst 27 scientists worldwide*)
(<https://www.embo.org/press-releases/twenty-seven-life-scientists-become-embo-young-investigators/>)
3. **Merck Young Scientist Award in Biological Sciences 2019**
(<https://www.merckgroup.com/in-en/company/merck-young-scientist-awards.html>)
4. **Indian National Science Academy (INSA) Young Scientist Medal 2019**
(<https://www.insaindia.res.in/youngmedal.php>)
5. **UAA-ICT Distinguished Alumni Award – Young Achiever 2019**
(<https://www.udctalumni.org.in/newsroom/news/UAA-ICT-Distinguished-Alumni-Awards-Announced-808.dz>)
6. **DST-SERB India, Early Career Research Award** (2017)
7. **DBT/Wellcome Trust India Alliance, Intermediate Fellowship** (2016)
(<https://www.indiaalliance.org/fellow/siddhesh-s-kamat>)
8. **9th Irving S. Sigal Postdoctoral Fellowship from the American Chemical Society** (2013). This fellowship is given biannually to only 1 Ph.D. student from the chemistry departments of the top 50 US universities interested in pursuing a postdoc in chemical biology.
(<https://www.acs.org/content/acs/en/funding-and-awards/grants/sigalfellowship/pastrecipients.html>)