



डॉ अरुण बंद्योपाध्याय, एफएनएससी, एफएससीटी  
निदेशक

**Dr. Arun Bandyopadhyay, FNASc, FAScT**  
DIRECTOR

**सीएसआईआर - भारतीय रासायनिक जीवविज्ञान संस्थान**  
(सीएसआईआर की एक संघटक प्रयोगशाला, भारत सरकार)  
4, राजा एस. सी. मल्लिक रोड, कोलकाता - 700 032, भारत  
वेबसाइट : [www.iicb.res.in](http://www.iicb.res.in)

**CSIR - Indian Institute of Chemical Biology**  
(A Constituent Laboratory of CSIR, Government of India)  
4, Raja S. C. Mullick Road, Kolkata - 700 032, India  
Website : [www.iicb.res.in](http://www.iicb.res.in)

DIR/IICB/09/2021  
Dated: 27th Sept., 2021

To,  
The SUN PHARMA Science Foundation  
Research Award 2021

### Justification for Nomination

**Category of the award: Pharmaceutical Sciences' for Design and Development of New Drugs**

This is to nominate Dr. Arindam Talukdar (Principal Scientist, CSIR- Indian Institute of Chemical Biology, Kolkata) for his excellence in original research work in Pharmaceutical Sciences in the category of 'Pharmaceutical Sciences' for Design and Development of New Drugs.

I certify that the excellent research work by the applicant as PI at CSIR-Indian Institute of Chemical Biology, Kolkata led to rational development and characterization of pipeline of novel small molecule library of human TLR9/TLR7 antagonists. The work has been appreciated in the academic fraternity for conceptual contribution in the field. We are in advanced negotiation with Pharmaceutical Industry for licensing out the patented work. Also, the work related to the discovery of non-Camptothecin quinoline derivatives as topoisomerase I poison with potent anticancer activity has been highly appreciated and widely covered in national Newspaper. In the last few years, the works has led to multiple important international publications in the top reputed drug-discovery journal, which includes four publications in *Journal of Medicinal Chemistry*, four publications in *European Journal of Medicinal Chemistry* and has also resulted in multiple Indian/World/US patent applications (US10662177-B2-Granted, WO/2019/229765 and WO/2019/092739).

The research work under reference by the applicant is original, patented and does not violate any intellectual property rights held by CSIR.

I certify that research work under reference has not been given any award in the past.

From my perusal of exciting research work, as Director of IICB, I provide my strongest nomination for Dr. Arindam Talukdar for The SUN PHARMA Science Foundation Research Award, 2021 in Pharmaceutical Sciences. Should you require any further information, I will be happy to provide.

*Arun Bandyopadhyay*  
Arun Bandyopadhyay



निदेशक  
Director



सी.एस.आई.आर-भारतीय रासायनिक जीवविज्ञान संस्थान  
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)  
CSIR - Indian Institute of Chemical Biology  
(Council of Scientific & Industrial Research)  
4, राजा एस सी मल्लिक रोड, यादवपुर  
4, Raja S. C. Mullick Road, Jadavpur  
कोलकाता / Kolkata - 700 032