# Resume of Dr. Krishnananda Chattopadhyay

**Krishnananda Chattopadhyay**
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**Date of Birth:** Nov 06, 1970

## EDUCATION

- 1991-1994: MSc in Chemistry, The University of Burdwan, Burdwan, India, first class.
- 1988-1991: BSc in Chemistry, Hooghly Mohsin College, The University of Burdwan, India, first class.
- 1994-1999: PhD in Chemical Sciences, Tata Institute of Fundamental Research (TIFR), Mumbai

## EMPLOYMENT HISTORY

- Sep 2014 to Current: Senior Principal Scientist,
  Structural Biology and Bioinformatics Division
  CSIR-Indian Institute of Chemical Biology
  Professor in Chemistry and Biology
  Academy of Scientific and Innovative Research

- Feb 2017 to Current: Head
  Structural Biology and Bioinformatics Division
  CSIR-Indian Institute of Chemical Biology

- Jun 2019 onwards: Head
  Library and Documentation Division
  CSIR-Indian Institute of Chemical Biology

- Sep 2010 to Sep 2014: Principal Scientist
  Structural Biology and Bioinformatics Division
  Indian Institute of Chemical Biology, Kolkata 700032
  Associate Professor in Chemistry and Biology
  Academy of Scientific and Innovative Research

- Dec 2006-2010: Senior Scientist
  Protein Folding and Dynamics Laboratory
  Structural Biology and Bioinformatics Division
  Indian Institute of Chemical Biology, Kolkata 700032

- 2005 – 2006: Senior Scientist, Formulation Development and Product Enhancement,
  Pfizer Global Biologics, St. Louis, MO 63017, USA

- 2000-2005: Post doctoral research
  Advisor: Dr. Carl Frieden, Biochemistry and Molecular Biophysics, Washington University School of Medicine, St. Louis, MO 63110

**LIST OF PUBLICATIONS:**

1. Mahapatra, A; Mandal, A & Chattopadhyay, K (2021) Cholesterol in Synaptic Vesicle Membranes Regulates the Vesicle-Binding, Function, and Aggregation of α-Synuclein Journal of Physical Chemistry B (American Chemical Society), DOI: https://doi.org/10.1021/acs.jpcb.1c03533 (Approved for the Cover)

2. Chakraborty, R.; Dey, S.; Sil, P., Paul, S. S.; Bhattacharya, D.; Bhunia, A.; Sengupta, J.; **Chattopadhyay, K***. (2021) Conformational distortion in a fibril-forming oligomer arrests alpha-Synuclein fibrillation and minimizes its toxic effects; Communications Biology (Springer Nature) ; DOI:10.1038/s42003-021-02026-z

3. Sannigrahi, Achinta; Chowdhury, Sourav; Das, Bidisha; Banerjee, Amrita; Halder, Animesh; Saleem, Mohammed; Naganathan, Athi N; Karmakar, Sanat; **Chattopadhyay, K*** (2021) The metal cofactor zinc and interacting membranes modulate SOD1 conformation-aggregation landscape in an in vitro ALS Mode, eLife; DOI: https://doi.org/10.7554/eLife.61453
   Highlights in the journal: https://elifesciences.org/articles/61453#digest
   Highlights in other scientific blogs: https://www.scisoup.org/article/2021/CSIR-IICB-led-researchers-provide-new-insights-into-ALS-disease.html

4. **Chattopadhyay K*** (2021) Probing the influence of mutations on FUS condensates, one molecule at a time;
   Communications Biology (Springer Nature) DOI: https://doi.org/10.1038/s42003-020-01560-6

5. Bandyopadhyay, A; Sannigrahi, A; & **Chattopadhyay K*** (2021) Membrane composition and lipid to protein ratio modulate amyloid kinetics of yeast prion protein;
   RSC Chemical Biology DOI: 10.1039/d0cb00203h

6. Mahapatra, A; Sarkar, S; Biswas, SC; & **Chattopadhyay K*** (2020) Modulation of α-Synuclein Fibrillation by Ultrasmall and Biocompatible Gold Nanoclusters;
   ACS Chemical Neuroscience DOI: https://doi.org/10.1021/acschemneuro.0c00550

7. Mandal, N; De, N; Jana, P; Sannigrahi, A; & **Chattopadhyay K*** (2020) Correlation between CNS Tuberculosis and the COVID-19 Pandemic: The Neurological and Therapeutic Insights; ACS Chemical Neuroscience DOI: https://doi.org/10.1021/acschemneuro.0c00546

8. Sannigrahi, A; De, N; & **Chattopadhyay K*** (2020) The bright and dark sides of protein conformational switches and the unifying forces of infections;
9. Communications Biology (Springer Nature), DOI: https://doi.org/10.1038/s42003-020-1115

10. Kulsi, G; Sannigrahi, A; Mishra, S; Saha, KD; Datta, S; Chattopadhyay, P; & **Chattopadhyay K*** (2020) A Novel Cyclic Mobile Transporter Can Induce Apoptosis by Facilitating Chloride Anion Transport into Cells;

ACS Omega; DOI: https://doi.org/10.1021/acsomega.0c00438

11. Ghosh, G; Sakshi, Swain, BC; Chakraborty, R; Tripathy, U; & **Chattopadhyay K*** (2020) A Novel Tool to Investigate the Early and Late Stages of α-Synuclein Aggregation; ACS Chemical Neuroscience DOI: https://doi.org/10.1021/acschemneuro.0c00068 (**Highlights in Telengana Today: https://telanganatoday.com/a-novel-tool-to-help-gain-deeper-insight-into-parkinsons-disease**)

12. Halder, A; Sannigrahi, A; De, N; **Chattopadhyay K***, S Karmakar (2020) Kinetoplastid membrane protein 11 induces pores in anionic phospholipid membranes: Effect of cholesterol, Langmuir 36, 3522

13. Goswami, A; Mukherjee, K; Mazumder, A; Ganguly, S; Mukherjee, I; Chakrabarti, S; Roy, S; Sundar, S; **Chattopadhyay K**; & Bhattacharyya, SN (2000) MicroRNA exporter HuR clears the internalized pathogens by promoting pro-inflammatory response in infected macrophages, EMBO Molecular Medicine 12, e11011

14. Saha, S; Sannigrahi, A; **Chattopadhyay, K; &** Chowdhury, J (2020) Interaction of KMP-11 and its mutants with ionic liquid choline dihydrogen phosphate: Multispectroscopic studies aided by docking and molecular dynamics simulations Journal of Molecular Liquids 301, 112475

15. Chowdhury, S; Sanyal, D; Sen, S; Uversky, VN; Maulik, U & **Chattopadhyay K*** (2019) Biomolecules 9, 826

16. Basak, S; Sengupta, S & **Chattopadhyay K*** (2019) Understanding biochemical processes in the presence of sub-diffusive behavior of biomolecules in solution and living cells Biophysical Reviews 11, 851 (Invited Review Article)

17. Mahapatra, A, Sarkar, S., Biswas, SC, & **Chattopadhyay K*** (2019) An aminoglycoside antibiotic inhibits both lipid-induced and solution-phase fibrillation of α-Synuclein in vitro Chemical Communication 55, 11052 (**Highlights in Nature India, https://www.natureasia.com/en/nindia/article/10.1038/nindia.2019.130**)

18. Sannigrahi A, Nandi I, Chall S, Jawed JJ, Halder A, Majumdar S, Karmakar S, **Chattopadhyay K***, (2019) Conformational switch driven membrane pore formation by Mycobacterium secretory protein MPT63 induces macrophage cell death, ACS Chemical Biology, (DOI https://doi.org/10.1021/acschembio.9b00327)

19. Chowdhury S, Sen S, Banerjee A, Uversky VN, Maulik U & **Chattopadhyay K*** (2019) Network mapping of the conformational heterogeneity of SOD1 by deploying statistical cluster analysis of FTIR spectra Cellular and Molecular Life Sciences, 1-10 (DOI https://doi.org/10.1007/s00018-019-03108-2)

20. Sannigrahi A, Mullick D, Sanyal D, Sen S, Maulik, U &**Chattopadhyay K*** (2019) Effect of ergosterol on the binding of KMP-11 with phospholipid membranes: implications in leishmaniasis
ACS Omega 4, 5155

21. Som SC, Sannigrahi A, Nandi M, Mishra VK, De P, **Chattopadhyay K…** (2019) A novel PEGylated block copolymer in new age therapeutics for Alzheimer's disease
Molecular Neurobiology (DOI https://doi.org/10.1007/s00018-019-03108-2)

22. Chakraborty R, **Chattopadhyay, K*** (2019) Cryo-Electron Microscopy Uncovers Key Residues within the Core of Alpha-Synuclein Fibrils
ACS Chemical Neuroscience 10, 1135.

23. Sen S, Dey, A, Chowdhury, S, Maulik, U, **Chattopadhyay, K** (2019) Understanding the evolutionary trend of intrinsically structural disorders in cancer relevant proteins as probed by Shannon entropy scoring and structure network analysis
BMC Bioinformatics 19, 549.

24. Chatterjee, S., Ghosh, S., Mishra, S., Banerji, B., Saha, K.D, & **Chattopadhyay K*** (2019) Efficient detection of early events of alpha synuclein aggregation using a cysteine specific hybrid scaffold
Biochemistry, 58, 1109

25. Hazra S., Bodhak, C., Chowdhury S., Sanyal D, Mandal, S. **Chattopadhyay K**, Pramanik, A. (2019) A novel tryptamine-appended rhodamine-based chemosensor for selective detection of $Hg^{2+}$ present in aqueous medium and its biological applications
Analytical and Bioanalytical Chemistry https://doi.org/10.1007/s00216-018-1546-0 (Cover)

26. Ghosh S., Mahapatra A, **Chattopadhyay, K*** (2019) Modulation of Alpha-Synuclein Aggregation by Cytochrome c Binding and Hetero-di-Tyrosine Adduct Formation
ACS Chemical Neuroscience, 10, 1300

27. Chakraborty, R., Sahoo, S., Halder, N., Rath, H., **Chattopadhyay, K***. (2018) Conformational-Switch Based Strategy Triggered by [18] π Heteroannulenes toward Reduction of Alpha Synuclein Oligomer Toxicity
ACS Chemical Neuroscience 10, 573

28. Mukherjee S, Hazra, S., Chaowdhury, S., **Chattopadhyay, K**. .. (2018) A novel pyrrole fused coumarin based highly sensitive and selective fluorescence chemosensor for detection of Cu2+ ions and applications towards live cell imaging,
Journal of Photochemistry and Photobiology A: Chemistry 364, 635-644

29. Tripathi T. & **Chattopadhyay, K*** (2018) Interaction of α-Synuclein with ATP Synthase: Switching Role from Physiological to Pathological, ACS Chemical Neuroscience 10 (1), 16-17

30. Nandi I., Chall, S., Chowdhury, S. Mitra, T., Roy SS, **Chattopadhyay, K***. (2018) Protein Fibril-Templated Biomimetic Synthesis of Highly Fluorescent Gold Nanoclusters and Their Applications in Cysteine Sensing,
ACS Omega 3 (7), 7703-7714

31. Ghosh, S., Kundu, A. & **Chattopadhyay, K*** (2018) Small Molecules Attenuate the Interplay between Conformational Fluctuations, Early Oligomerization and Amyloidosis of Alpha Synuclein, Scientific Reports 8(1) 5481
**(Highlights in The Hindu, Jun 03, 2018: https://www.thehindu.com/sci-tech/health/on-parkinsons-trail/article24069288.ece; The Hindu BusinessLine, May 30, 2018; https://www.thehindubusinessline.com/news/science/indian-scientists-find-new-clues-to-parkinsons/article24035714.ece; Rajya Sabha TV Aug 11, 2018; https://www.youtube.com/watch?v=wAzklKeGzXA&t=11s&index=6&list=PLVOgwA_DiGzpd3_Iz7J-81Vh4QqU-ZGA9)**

32. Sarkar-Banerjee, S., Goyal, S., Gao, N. Mack, J. Thompson, Dunlap, D., **Chattopadhyay, K***, Finzi, L* (2018) Specifically bound lambda repressor dimers promote adjacent non-specific binding
Plos One 13 (4), e0194930

33. Sannigrahi A., Chall, S., Jawed JJ., Kundu, A., Majumdar, S., &**Chattopadhyay, K***., Nanoparticle Induced Conformational Switch Between α-Helix and β-Sheet Attenuates Immunogenic Response of MPT63,
Langmuir 34 (30), 8807-8817
(**Highlights in The Hindu Jul 29, 2018; https://www.thehindu.com/todays-paper/tp-opinion/a-chink-in-tbs-armour/article24543746.ece The Times of India, Aug 11, 2018; https://timesofindia.indiatimes.com/city/kolkata/kolkata- researchers-develop-molecule-for-tb-vaccine/articleshow/65361922.cms**)

34. Saha, B., Chowdhury, S., Sanyal, D., **Chattopadhyay, K**, Suresh Kumar, G. (2018) Comparative Study of Toluidine Blue O and Methylene Blue Binding to Lysozyme and Their Inhibitory Effects on Protein Aggregation
ACS Omega 3 (3), 2588-2601.

35. Singharoy, D., Chowdhury, S., Mati, SS, Ghosh, S., **Chattopadhyay K***, Bhattacharya, SC* (2017) Photoinduced Electron Transfer Switching Mechanism of a Naphthalimide Derivative with its Solvatochromic Behaviour: An Experimental and Theoretical Study with...
Chemistry-A European Journal 23 (65), 16516-16524

36. Chall, S., Matti, SS, Das, I., Kundu, A. & **Chattopadhyay, K*** (2017) Understanding the Effect of Single Cysteine Mutations on Gold Nanoclusters as Studied by Spectroscopy and Density Functional Theory Modeling
Langmuir 33(43) 12120-12129.

37. Kundu A., Kundu, S. &**Chattopadhyay, K***. (2017) The presence of non-native helical structure in the unfolding of a beta sheet protein MPT63,
Protein Science 26(3) 536-549.

38. Sannigrahi A., Maity, P., Karmakar, S. & **Chattopadhyay, K***. (2017) Interaction of KMP-11 with Phospholipid Membranes and Its Implications in Leishmaniasis: Effects of Single Tryptophan Mutations and Cholesterol,
The Journal of Physical Chemistry B 121, 1824

39. Banerjee-Sarkar, S., Chowdhury, S., Paul, S.S., Dutta, D., Ghosh, A., & **Chattopadhyay, K***. (2016) The Non-native Helical Intermediate State May Accumulate

at Low pH in the Folding and Aggregation Landscape of the Intestinal Fatty Acid Binding Protein
Biochemistry 55 (32) 4457-4468.

40. Paul, S. S., Sil, P., Chakraborty, R., Haldar, S., & **Chattopadhyay, K*.** (2016) Molecular crowding affects the conformational fluctuations, peroxidase activity and folding landscape of yeast cytochrome c
Biochemistry 55, 2332-2343.

41. Kundu, A, Ghosh, S., & **Chattopadhyay, K*** . (2016) The effect of small molecules on early and late events of alpha synuclein aggregation in solution and inside living cells
Biophysical J. 110, 533a.

42. Paul, S.S., Sil, P., Haldar, S., Mitra, S. & **Chattopadhyay, K*.** (2015) Subtle change in the charge distribution of surface residues may affect the secondary functions of cytochrome c,
J. Biol. Chem. 290, 14476-14490. **(Highlights: Shape your duty, Eggleston AK et al Nature Chemical Biology https://doi.org/10.1038/nchembio.1829**).

43. Mukherjee, M., Ghosh, R., **Chattopadhyay, K*** . & Ghosh, S. (2015) pH-induced structural change of a multi-tryptophan protein MPT63 with immunoglobulin-like fold:identification of perturbed tryptophan residue/residues,
Journal of Biomolecular Structure and Dynamics DOI:10.1080/07391102.2014.992043

44. Haldar, S., Sil, P., Thangamuniyandi, M., & **Chattopadhyay K*** . (2014) Conversion of amyloid fibrils of cytochrome c into matured nano rods through a honeycomb morphology,
Langmuir 31, 4213-4223.

45. Joshi, N., Basak, S., Kundu, S., De, G., Mukhopadhyay, A., & **Chattopadhyay, K*** . (2014) The attenuation of the early events of alpha-synuclein aggregation: A fluorescence correlation spectroscopy and laser scanning microscopy study in the presence of surface coated $Fe_3O_4$ nanoparticles,
Langmuir 31, 1469-1478.

46. Basak, S., Prasad, G.V., Varkey, J. & **Chattopadhyay, K*** . (2014) Early SDS induced collapse of alpha synuclein correlates with its amyloid formation,
ACS Chemical Neuroscience 6, 239-246 (**Highlights in Journal Web Page**).

47. Parmanik, B., Kundu, A., **Chattopadhyay, K*** .,& Patra, A*. (2014) Study of binding interactions between MPT63 protein and Au nanocluster,
RSC Advances 4, 35059-35066.

48. Basak, S. & **Chattopadhyay, K*** . (2014) Studies of protein folding and dynamics using single molecule fluorescence spectroscopy,
Physical Chemistry Chemical Physics, DOI: 10.1039/C3CP55219E. (**invited review article**)

49. Sarkar, S. & **Chattopadhyay, K*** . (2014) Studies of early events of folding of a predominately beta sheet protein using fluorescence correlation spectroscopy and other biophysical methods, Biochemistry 53, 1393-1402

50. Lahiri, S., Banerjee, S., Dutta, T., Sengupta, S., Dey, S., Roy, R., Sengupta, D., **Chattopadhyay, K**. & Ghosh, A. K*. (2014) Enzymatic and regulatory attributes of Trehalose-6-Phosphate Phosphatase from Candida utilis and its role during thermal stress,
Journal of Cellular Physiology, DOI: 10.1002/jcp.24562.

51. Basak S., **Chattopadhyay K***. (2013) Fluorescence Correlation Spectroscopy Study on the Effects of the Shape and Size of a Protein on Its Diffusion Inside a Crowded Environment, Langmuir 29, 14709-14717.

52. Sharma, S., Sarkar, S., Paul, S.S., Roy, S. & **Chattopadhyay, K***. (2013) A small molecule chemical chaperone optimizes its unfolded state contraction and denaturant like properties, Sci. Rep. 3, 3525; DOI:10.1038/srep03525, Nature Publishing Group

53. Joshi N., Mukhopadhyay, A., Basak, S., De, G., **Chattopadhyay, K.*** (2013) Surface Coating Rescues Proteins from Magnetite Nanoparticle Induced Damage,
Part. Part. Syst. Charact. 30, 683–694 (**Journal Front Cover Article**).

54. Sharma, S., Pathak, N., **Chattopadhyay, K***. (2012) Osmolyte induced stabilization of protein molecules: A Brief Review,
Journal of Proteins and Proteomics 3(2):129-139.

55. Ghosh R., Mukherjee M., **Chattopadhyay K***, Ghosh S*. (2012) Unusual optical resolution of all four tryptophan residues in MPT63 protein by phosphorescence spectroscopy: assignment and significance,
J Phys Chem B 116(41):12489-500.

56. Haldar, S., & **Chattopadhyay, K***. (2012) The interconnection of salt induced hydrophobic compaction and secondary structure formation depends on solution conditions: revisiting early events of protein folding at single molecule resolution,
Journal of Biological Chemistry 2012, 287,11546–11555.

57. Haldar, S., Paul, S. S., Joshi, N., Dasgupta, A., **Chattopadhyay, K***. (2012) The Presence of the Iron-Sulfur Motif Is Important for the Conformational Stability of the Antiviral Protein, Viperin,
Plos One Volume 7 Issue 2 e31797.

58. Lahiri, S., Basu, A., Sengupta, S., Banerjee, S., Dutta, T., Soren, D., **Chattopadhyay, K**., Ghosh, A. K*. 2012 Purification and characterization of a trehalase–invertase enzyme with dual activity from Candida utilis,
Archives of Biochemistry and Biophysics 522, 90–99.

59. Mukhopadhyay, A., Joshi, N., **Chattopadhyay, K***., De, G*. (2011) A facile synthesis of PEG-coated magnetite (Fe3O4) nanoparticles and their prevention of the reduction of cytochrome c, ACS Appl Mater Interfaces 2012, 4, 142-9.

60. Sen, T., Mandal, S., Haldar, S., **Chattopadhyay, K***., and Patra, A*., (2011)
J. Phys. Chem. C 115 (49), 24037–24044.

61. Haldar, S., & **Chattopadhyay, K***. (2011) Effects of arginine and other solution additives on the self-association of different surfactants: an investigation at single molecule resolution, Langmuir 27, 5842-5849

62. Mukhopadhyay, A., Basak, S., Das, JK., **Chattopadhyay, K**. & De, G*. (2010) Ag-TiO2 nanoparticle co-doped SiO2 films on ZrO2 barrier-coated glass substrates with antibacterial activity in ambient condition
ACS Appl. Mater. Interfaces 9, 2540-6.

63. Haldar, S, Mitra, S. & **Chattopadhyay, K*** (2010) The role of the protein stabilizers on the conformations of the unfolded states and its early folding kinetics: An investigation at single molecular resolution
J. Biol. Chem. 285, 25314-23.

64. Ghosh, R., Sharma, S. & **Chattopadhyay, K***. (2009) Effect of Arginine on Protein Aggregation Studied by Fluorescence Correlation Spectroscopy and Other Biophysical Methods
Biochemistry 48 (5), 1135 – 1143.

65. **Chattopadhyay, K**. & Frieden, C. (2006) Steady State and Time-resolved fluorescence studies of the intestinal fatty acid binding proteins
Proteins 63, 327-335.

66. **Chattopadhyay, K.,** Elson, E. L., & Frieden, C. (2005) Measurements of microsecond dynamics of the unfolded state by using fluorescence methods
Proc. Natl. Acad. Sci (USA) 102, 2385-2389 (**Faculty of 1000 Recommended**).

67. **Chattopadhyay, K**., Saffarian, S., Elson, E. L., & Frieden, C. (2005) Measuring unfolding of proteins in the presence of denaturant using fluorescence correlation spectroscopy, Biophysical Journal 88, 1413-1422.

68. **Chattopadhyay, K.,**& Mazumdar, S. (2003) Stabilization of partially folded states of cytochrome c in aqueous micelles: effects of ionic and hydrophobic interactions, Biochemistry 42, 14606-14613.

69. **Chattopadhyay, K**., Saffarian, S., Elson, E. L., & Frieden, C. (2002) Measurement of microsecond dynamic motion in the intestinal fatty acid binding protein by using fluorescence correlation spectroscopy, Proc. Natl. Acad. Sci. (USA) 99, 14171 – 14176.

70. Frieden, C., **Chattopadhyay, K**., & Elson, E.L. (2002) What Fluorescence Correlation Spectroscopy can tell us about unfolded state of a protein.
Adv. Prot. Chem. 62, 91-109.

71. **Chattopadhyay, K,** Das, T. K, Majumdar, A, & Mazumdar, S (2002) NMR studies on interaction of lauryl maltoside with cytochrome c oxidase: a model for surfactant interaction with the membrane protein
J. Inor. Biochem 91, 116-124.

72. **Chattopadhyay, K**., Zhong, S., Yeh, S. R., Rousseau, D., L., &Frieden, C. (2002) The Intestinal Fatty Acid Binding Protein: the role of turns in fast and slow folding processes
Biochemistry 41, 4040-4047.

73. **Chattopadhyay, K**., & Mazumdar, S. (2001) Direct electrochemistry of heme proteins: effect of electrode surface modification by neutral surfactants
Bioelectrochemistry 53, 17-24.

74. **Chattopadhyay, K.**& Mazumdar, S. (2000) Structural and conformational stability of horseradish peroxidase: effect of temperature and pH
Biochemistry 39, 263-270.

75. **Chattopadhyay, K.**& Mazumdar, S. (1999) Direct electrochemical oxidation of horseradish peroxidase: cyclic voltammetric and spectroelectrochemical studies
New J Chem 23, 137-139.

76. **Chattopadhyay, K.**& Mazumdar, S. (1997) Direct electrochemistry of heme undecapeptide in aqueous surfactant solutions: The effect of hydrophobicity and axial ligation on redox potential of heme
CurrSci 73, 65-68.

*Corresponding author

**SELECTED LIST OF INVITED TALKS**

- Indo-Finland Joint Workshop, Turku Biomaterial Day, University of Turku, Finland, Oct 28-30, 2015
- International Bioanalytical Congress, Berlin, Germany, Sep 27, 2011
- Center for Physics in living Cell, University of Illinois at Urbana Champaign, USA, Sep24, 2010
- Physics Colloquium, Department of Physics, Emory University, USA, Oct 08, 2010.
- Pfizer Lunch and Learn Talk, Pfizer Inc., Saint Louis, USA Aug 16, 2010

**CONFERENCES CHAIR:**

- International conference on chemical Biology, CSIR-Indian Institute of Chemical Biology, Jan 27-29, 2013
- International conference on protein folding and dynamics, National Centre for Biological Sciences, Tata Institute of Fundamental Research, Bangalore Nov05-07, 2014
- FCS 2012, Tata Institute of Fundamental Research, Mumbai, CSIR-Indian Institute of Chemical Biology & Saha Institute of Nuclear Physics, Dec 07, 2012.

**List of PhD degrees awarded from the group and their present institution (last known):**

Dr. Ranendu Ghosh (Biocon, India)
Dr. Sunny Sharma
Dr. Shubhasis Haldar (Ashoka University, India)
Dr. Sujit Basak (University of Massachusetts Medical School)
Dr. Nidhi Joshi
Dr. Suparna Sarkar (Rice University)
Dr. Sagar Lahiri (University of Michigan)
Dr. Gautam Kulsi
Dr. Amrita Kundu (Indian Institute of Science)

Dr. Simanta sarani Paul (Max-Planck-Institut für Biochemie)
Dr. Pallabi Sil (University of Alberta)
Dr. Sourav Chowdhury (Harvard University)
Dr. Sumanta Ghosh (MD Anderson Cancer Center)
Dr. Achinta Sannigrahi (Indian Institute of Science)
Dr. Arnab Bandyopadhyay (Beckman-Coulter)

**AWARDS/HONORS**

2019: Fellow of West Bengal Academy of Science and Technology
2019: Editorial Board Member, Communication Biology, Springer Nature
2019: Academic Editor, Plos One
2019: Fellow of Royal Society of Chemistry
2015; American Chemical Society Membership Award
2010: Visiting Faculty, The Department of Physics, University of Illinois at Urbana Champaign, IL, USA
2009: Indo-US Science and Technology Forum Research Fellowship
2006: Pfizer performance recognition award