

Dr. Arghya Dutta

Email: argphy@gmail.com

Web: <https://arghyadutta.github.io>

Postdoctoral fellow

Computational Cell Biology group
Institute of Biochemistry II, Goethe University
Frankfurt, Germany

Education

- 2014 Ph.D. (Physics), S. N. Bose National Centre for Basic Sciences, Kolkata, India
- 2009 M.Sc. (Physics), S. N. Bose National Centre for Basic Sciences, Kolkata, India
- 2007 B.Sc. (Physics), Ramakrishna Mission Vidyamandira, University of Calcutta, Kolkata, India

Positions

- 2021– Guest Scientist, Max Planck Institute for Polymer Research, Mainz, Germany
- 2021– Postdoctoral fellow, Institute of Biochemistry II, Goethe University, Frankfurt, Germany
- 2018–2021 Postdoctoral fellow, Max Planck Institute for Polymer Research, Mainz, Germany
- 2017–2018 Postdoctoral fellow, Leibniz Institute for Polymer Research, Dresden, Germany
- 2016–2017 Postdoctoral fellow, Institute Charles Sadron, CNRS, Strasbourg, France
- 2014–2016 Postdoctoral fellow, Institute of Mathematical Sciences, Chennai, India

Publications

1. K. Kaygisiz, L. Rauch-Wirth, A. Dutta, X. Yu, Y. Nagata, T. Bereau, J. Münch, C. V. Synatschke, T. Weil; *Nature Communications*, 14, 5121 (2023)
2. K. Kaygisiz, A. Dutta, L. Rauch-Wirth, C. V. Synatschke, J. Münch, T. Bereau, and T. Weil; *Biomaterials science* 11, 5251–5261 (2023)
3. A. Cristiani, A. Dutta, S. A. Poveda-Cuevas, A. Kern, R. M. Bhaskara; *Journal of Cellular Biochemistry* 1–14 (2023; in press)
4. N. Sen, P. Minocha, and A. Dutta; *International Journal of Economic Theory* 19(3), 694–752 (2023)
5. A. Dutta, T. Bereau, and T. A. Vilgis; *ACS Food Science & Technology* 2 (11), 1773–1780 (2022)
6. A. Dutta, J. Vreeken, L. M. Ghiringhelli, and T. Bereau.; *Journal of Chemical Physics*, 154 (24), 244114 (2021)
7. A. Centi, A. Dutta, S. H. Parekh, and T. Bereau; *Biophysical Journal* 118 (6), 1321–1332 (2020)
8. C. Schilling, T. Mack, S. Lickfett, S. Sieste, F. S. Ruggeri, T. Sneideris, A. Dutta, T. Bereau, R. Naraghi, D. Sinske, T. P. J. Knowles, C. V. Synatschke, T. Weil, and B. Knöll; *Advanced Functional Materials* 29 (24), 1809112 (2019)
9. C. Connaughton, A. Dutta, R. Rajesh, N. Siddharth, and O. Zaboronski; *Physical Review E* 97 (2), 022137 (2018)
10. C. Connaughton, A. Dutta, R. Rajesh, and O. Zaboronski; *Europhysics Letters* 117 (1), 10002 (2017)
11. A. Dutta and S. K. Modak; *Journal of High Energy Physics* 2014:136 (2014)
12. A. Dutta and J. K. Bhattacharjee; *Physics Letters A* 377 (21–22), 1402–1406 (2013)
13. A. Dutta and J. K. Bhattacharjee; *AIP Conference Proceedings* 1512, 1128–1129 (2013)
14. A. Dutta and J. K. Bhattacharjee; *Physica B* 407 (18), 3722–3726 (2012)

Achievements and awards

- 2012 Best poster, DAE Solid State Physics Symposium, IIT Mumbai, India
- 2009 Lectureship (NET), Council of Scientific and Industrial Research, India

2007 National top 1% in the National Graduate Physics Examination, IAPT
2007 All-India rank 125 in the Joint Entrance Screening Test
2007 All-India rank 23 (Physics), Joint Admission Test for M.Sc., IIT

Research fellowships

2014–2016 Postdoctoral Research Fellowship, Institute of Mathematical Sciences, India
2013 Travel Grant, International Centre for Theoretical Physics, Italy
2011–2014 Senior Research Fellowship, Council of Scientific and Industrial Research, India
2009–2011 Junior Research Fellowship, Council of Scientific and Industrial Research, India

Professional activities

- Reviewed for Computational Biology and Chemistry, Scientific Reports, and Journal of Applied Physics