

## Institute Funded Postdoctoral Fellowship

### Department of Chemical Sciences, IISER Kolkata

#### Experimental Chemistry:

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Faculty Name: **Prof. Alakesh Bisai** [Position Available = **01**]

[Home Page: <https://www.iiserkol.ac.in/~alakesh/>]

**Research Area:** Development of Methodologies, Total Synthesis of Natural Products and Hybrid Molecules, Studies for Biological Relevance

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Faculty Name: **Prof. Arindam Mukherjee** [Position Available = **01**]

[Home Page: <http://arindammukherjee.weebly.com/>]

**Research Area:** We advocate for the creation of inert metal complexes that, even upon some degree of dissociation, unleash ligands releasing clinically proven drugs. This addresses a critical gap in metal complex design and offers new dimensions in the fight against cancer.

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Faculty Name: **Prof. Soumyajit Roy** [Position Available = **01**]

[Home Page: <https://soumyajit-roy.com/> ]

**Research Area:** In metal-oxo clusters, CO<sub>2</sub>RR, NRR, OER and HER reactions

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Faculty Name: **Prof. Swadhin Mandal** [Position Available = **01**]

[Home Page: <http://swadhin-mandal.weebly.com/> ]

**Research Area:** Electron-rich Main Group Catalysis, Electron-Transfer Catalysis

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Faculty Name: **Prof. Venkataraman Mahalingam** [Position Available = **01**]

[Home Page: <https://www.iiserkol.ac.in/~nanolab/> ]

**Research Area:** Design and development of energy materials for water oxidation/CO<sub>2</sub> reduction/N<sub>2</sub> reduction/supercapacitors

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Faculty Name: **Dr. Supratim Banerjee** [Position Available = **01**]

[Home Page: <https://supratimban.wixsite.com/dcs-iiserk/>]

**Research Area:** Supramolecular and Functional Organic Materials: Luminescent Supramolecular Polymers, Photoresponsive Materials, Sensors, Host-Guest Chemistry, etc.

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Faculty Name: **Dr. Pradip Kumar Tarafdar** [Position Available = **01**]

[Home Page: <https://www.iiserkol.ac.in/~tarafdar/> ]

**Research Area:** Chemical Biology, Medicinal Chemistry.

**Desirable:** Hands-on experience in cell culture, cellular microscopy and assays, hydrogel-based materials, bioactive molecule synthesis.

## Theoretical Chemistry

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Faculty Name: **Prof. Mousumi Das** [Position Available = **01**]  
[Home Page: <https://www.iiserkol.ac.in/%7Emousumi/> ]

**Research Area:** Theoretical and computational material Sciences and molecular modelling in optoelectronics

**Total No. of Positions:** **8** (Please see above details.)

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### Important Dates:

Application deadline: **March 22, 2024**  
List of Shortlisted Candidates: **March 27, 2024**

Date of Interview: **April 08, 2024**

Contact Details: Email: [dcs.office@iiserkol.ac.in](mailto:dcs.office@iiserkol.ac.in)

### Apply Here:

[https://docs.google.com/forms/d/14am81sdo\\_ZxtATheUi1281M32X\\_6YQH7OLv\\_dec7CjU/edit](https://docs.google.com/forms/d/14am81sdo_ZxtATheUi1281M32X_6YQH7OLv_dec7CjU/edit)

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