

Molecular Biophysics Internship with Accommodation at Kolkata

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50
Active Categories

15
Focused Areas

Kolkata
Accommodation Location

How to View Accommodation Details and Booking Options

1. Open the Internships page or the corresponding Topics page.
2. Select the relevant focused area.
3. Select the available duration, mode and internship type.
4. Choose **Offline** mode to access accommodation booking options.
5. Continue to the fee/payment page and use the **Branches Select Option**.
6. After selecting the branch, use **Book NTHRYS Accommodation** to view accommodation fee, facility photographs, amenities and the available booking details.

Molecular Biophysics Internship Categories

AI Single-Molecule Force Spectroscopy Research https://internships.nthrys.com/molecular-biophysics/ai-single-molecule-force-spectroscopy	Machine Learning Protein Folding Biophysics https://internships.nthrys.com/molecular-biophysics/machine-learning-protein-folding-biophysics
AI Molecular Motor Biophysics Research https://internships.nthrys.com/molecular-biophysics/ai-molecular-motor-biophysics-research	AI Membrane Biophysics Research https://internships.nthrys.com/molecular-biophysics/ai-membrane-biophysics-research
AI DNA Mechanics Research https://internships.nthrys.com/molecular-biophysics/ai-dna-mechanics-research	AI FRET Biophysics Research https://internships.nthrys.com/molecular-biophysics/ai-fret-biophysics-research
AI Cryo-EM Molecular Biophysics Research https://internships.nthrys.com/molecular-biophysics/ai-cryo-em-molecular-biophysics-research	AI Phase Separation Biophysics Research https://internships.nthrys.com/molecular-biophysics/ai-phase-separation-biophysics-research
AI Ion Channel Molecular Research https://internships.nthrys.com/molecular-biophysics/ai-ion-channel-molecular-research	AI MD Simulation Biophysics Research https://internships.nthrys.com/molecular-biophysics/ai-md-simulation-biophysics-research
Protein-Ligand Binding Kinetics Research https://internships.nthrys.com/molecular-biophysics/protein-ligand-binding-kinetics-research	Structural Biology X-ray Crystallography https://internships.nthrys.com/molecular-biophysics/structural-biology-x-ray-crystallography
Biomolecular NMR Spectroscopy Studies https://internships.nthrys.com/molecular-biophysics/biomolecular-nmr-spectroscopy-studies	Single-Molecule Optical Trapping Research https://internships.nthrys.com/molecular-biophysics/single-molecule-optical-trapping-research

Protein Aggregation and Amyloid Studies https://internships.nthrys.com/molecular-biophysics/protein-aggregation-and-amyloid-studies	Enzyme Kinetics and Catalysis Research https://internships.nthrys.com/molecular-biophysics/enzyme-kinetics-and-catalysis-research
Fluorescence Anisotropy Binding Studies https://internships.nthrys.com/molecular-biophysics/fluorescence-anisotropy-binding-studies	Circular Dichroism Protein Characterization https://internships.nthrys.com/molecular-biophysics/circular-dichroism-protein-characterization
Atomic Force Microscopy Biomolecules https://internships.nthrys.com/molecular-biophysics/atomic-force-microscopy-biomolecules	Molecular Docking and Virtual Screening https://internships.nthrys.com/molecular-biophysics/molecular-docking-and-virtual-screening
Hydrogen-Deuterium Exchange Mass Spectrometry https://internships.nthrys.com/molecular-biophysics/hydrogen-deuterium-exchange-mass-spectrometry	Biolayer Interferometry Kinetics Research https://internships.nthrys.com/molecular-biophysics/biolayer-interferometry-kinetics-research
Lipid Bilayer Membrane Biophysics https://internships.nthrys.com/molecular-biophysics/lipid-bilayer-membrane-biophysics	Electron Paramagnetic Resonance Spectroscopy https://internships.nthrys.com/molecular-biophysics/electron-paramagnetic-resonance-spectroscopy
Thermal Shift Assay Drug Screening https://internships.nthrys.com/molecular-biophysics/thermal-shift-assay-drug-screening	Protein-Protein Interaction Network Mapping https://internships.nthrys.com/molecular-biophysics/protein-protein-interaction-network-mapping
Ultracentrifugation Molecular Weight Analysis https://internships.nthrys.com/molecular-biophysics/ultracentrifugation-molecular-weight-analysis	Quantum Mechanical Molecular Modeling https://internships.nthrys.com/molecular-biophysics/quantum-mechanical-molecular-modeling
RNA Structure and Folding Research https://internships.nthrys.com/molecular-biophysics/ma-structure-and-folding-research	Differential Scanning Calorimetry Studies https://internships.nthrys.com/molecular-biophysics/differential-scanning-calorimetry-studies
Microfluidic Single-Cell Biophysics https://internships.nthrys.com/molecular-biophysics/microfluidic-single-cell-biophysics	Small-Angle X-ray Scattering Analysis https://internships.nthrys.com/molecular-biophysics/small-angle-x-ray-scattering-analysis
Isothermal Titration Calorimetry Thermodynamics https://internships.nthrys.com/molecular-biophysics/isothermal-titration-calorimetry-thermodynamics	Electrophoretic Mobility Shift Assays https://internships.nthrys.com/molecular-biophysics/electrophoretic-mobility-shift-assays
Surface Plasmon Resonance Biosensing https://internships.nthrys.com/molecular-biophysics/surface-plasmon-resonance-biosensing	Protein-Chromophore Spectroscopy Analysis https://internships.nthrys.com/molecular-biophysics/protein-chromophore-spectroscopy-analysis
Cross-linking Mass Spectrometry Proteomics https://internships.nthrys.com/molecular-biophysics/cross-linking-mass-spectrometry-proteomics	Membrane Protein Reconstitution Experiments https://internships.nthrys.com/molecular-biophysics/membrane-protein-reconstitution-experiments
Spectral Analysis Protein Interactions https://internships.nthrys.com/molecular-biophysics/spectral-analysis-protein-interactions	Coarse-Grained Molecular Dynamics Modeling https://internships.nthrys.com/molecular-biophysics/coarse-grained-molecular-dynamics-modeling
DNA Helix Stability and Melting Studies https://internships.nthrys.com/molecular-biophysics/dna-helix-stability-and-melting-studies	Neutron Scattering Structural Biology https://internships.nthrys.com/molecular-biophysics/neutron-scattering-structural-biology
Protein Stability Mutation Engineering https://internships.nthrys.com/molecular-biophysics/protein-stability-mutation-engineering	Electrostatic Surface Potential Calculations https://internships.nthrys.com/molecular-biophysics/electrostatic-surface-potential-calculations
Protein Purification and Characterization https://internships.nthrys.com/molecular-biophysics/protein-purification-and-characterization	Biomolecular Vibrational Spectroscopy https://internships.nthrys.com/molecular-biophysics/biomolecular-vibrational-spectroscopy
Molecular Docking Validation Experiments https://internships.nthrys.com/molecular-biophysics/molecular-docking-validation-experiments	Protein Electrophoresis Gel Analysis https://internships.nthrys.com/molecular-biophysics/protein-electrophoresis-gel-analysis
Macromolecular Crowding Effect Studies https://internships.nthrys.com/molecular-biophysics/macromolecular-crowding-effect-studies	Biomimetic Membrane System Engineering https://internships.nthrys.com/molecular-biophysics/biomimetic-membrane-system-engineering

Molecular Biophysics Internship Topics and Focused Areas

AI Phase Separation Biophysics Research

- Machine Learning Models for Phase Separation Prediction
- Molecular Dynamics Simulations of Biomolecular Condensates
- AI-Driven Design of Synthetic Phase-Separating Systems
- Image Analysis and Computer Vision for Condensate Quantification
- Coarse-Grained Modeling and Multi-Scale Simulation Integration

Molecular Docking and Virtual Screening

- Structure-Based Drug Discovery for Disease Targets
- Virtual Screening Pipeline Development and Validation

- Protein-Ligand Interaction Analysis and Binding Mechanism Elucidation
- De Novo Drug Design and Scaffold Optimization
- Polypharmacology and Off-Target Prediction in Drug Candidates

Surface Plasmon Resonance Biosensing

- SPR Sensor Development and Optimization
- Protein-Ligand Interaction Kinetics Analysis
- Label-Free Biomarker Detection Method Development
- Surface Chemistry and Functionalization Strategies
- Multi-Analyte SPR Array and Multiplexing Studies

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