Cheminformatics Internship with Accommodation at Bengaluru

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50	40	Bengaluru
Active Categories	Focused Areas	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.

Cheminformatics Internship Categories

AI Generative Molecular Design Research https://internships.nthrys.com/cheminformatics/ai-generative-molecular-design-research	**Machine Learning QSAR/QSPR Research** https://internships.nthrys.com/cheminformatics/machine-learning-qsar-qspr-research
AI Virtual Compound Library Design Research https://internships.nthrys.com/cheminformatics/ai-virtual-compound-library-design-research	**AI Chemical Graph Neural Network Research** https://internships.nthrys.com/cheminformatics/ai-chemical-graph-neural-network-research
AI Bioactivity Prediction Research https://internships.nthrys.com/cheminformatics/ai-bioactivity-prediction-research	**AI Chemical Retrosynthesis Informatics Research** https://internships.nthrys.com/cheminformatics/ai-chemical-retrosynthesis-informatics
AI Polypharmacology Cheminformatics Research https://internships.nthrys.com/cheminformatics/ai-polypharmacology-cheminformatics-research	**AI Drug-Likeness Filtering Research** https://internships.nthrys.com/cheminformatics/ai-drug-likeness-filtering-research
AI Scaffold Analysis & Hopping Research https://internships.nthrys.com/cheminformatics/ai-scaffold-analysis-hopping-research	**AI Metabolite-Drug Interaction Research** https://internships.nthrys.com/cheminformatics/ai-metabolite-drug-interaction-research
Molecular Fingerprint Development and Optimization https://internships.nthrys.com/cheminformatics/molecular-fingerprint-development-optimization	**Chemical Space Exploration Mapping** https://internships.nthrys.com/cheminformatics/chemical-space-exploration-mapping
Protein-Ligand Docking Scoring Function Research https://internships.nthrys.com/cheminformatics/protein-ligand-docking-scoring-function	**Fragment-Based Drug Discovery Informatics** https://internships.nthrys.com/cheminformatics/fragment-based-drug-discovery-informatics

Chemical Compound Database Curation https://internships.nthrys.com/cheminformatics/chemical-compound-database-curation	**Natural Product Cheminformatics Analysis** https://internships.nthrys.com/cheminformatics/natural-product-cheminformatics-analysis
Chemotoxicology Predictive Modeling Research https://internships.nthrys.com/cheminformatics/chemotoxicology-predictive-modeling-research	**De Novo Drug Design Algorithm Development** https://internships.nthrys.com/cheminformatics/de-novo-drug-design-algorithm-development
Chemical Patent Analysis and Mining https://internships.nthrys.com/cheminformatics/chemical-patent-analysis-mining	**Cheminformatics Pipeline Automation Development** https://internships.nthrys.com/cheminformatics/cheminformatics-pipeline-automation-development
Molecular Diversity Assessment Algorithms https://internships.nthrys.com/cheminformatics/molecular-diversity-assessment-algorithms	**Chemical Structure Standardization Methods** https://internships.nthrys.com/cheminformatics/chemical-structure-standardization-methods
Enzyme Substrate Specificity Prediction https://internships.nthrys.com/cheminformatics/enzyme-substrate-specificity-prediction	**Chemical Ontology and Knowledge Graph Construction** https://internships.nthrys.com/cheminformatics/chemical-ontology-knowledge-graph-construction
Solubility and ADME Property Prediction Research https://internships.nthrys.com/cheminformatics/solubility-adme-property-prediction-research	**Chemical Reaction Type Classification Learning** https://internships.nthrys.com/cheminformatics/chemical-reaction-type-classification-learning
Multi-Target Activity Prediction Cheminformatics https://internships.nthrys.com/cheminformatics/multi-target-activity-prediction-cheminformatics	**Chemical Similarity and Clustering Methods** https://internships.nthrys.com/cheminformatics/chemical-similarity-clustering-methods
Molecular Descriptor Development and Selection https://internships.nthrys.com/cheminformatics/molecular-descriptor-development-selection	**Lead Compound Optimization Strategy Research** https://internships.nthrys.com/cheminformatics/lead-compound-optimization-strategy-research
Bioisostere Database and Prediction Systems https://internships.nthrys.com/cheminformatics/bioisostere-database-prediction-systems	**Off-Target Toxicity Prediction Modeling** https://internships.nthrys.com/cheminformatics/off-target-toxicity-prediction-modeling
Chemical Data Integration and Harmonization https://internships.nthrys.com/cheminformatics/chemical-data-integration-harmonization	**High-Throughput Screening Data Analysis** https://internships.nthrys.com/cheminformatics/high-throughput-screening-data-analysis
Chemical Prioritization and Ranking Systems https://internships.nthrys.com/cheminformatics/chemical-prioritization-ranking-systems	**Molecular Dynamics Trajectory Analysis Research** https://internships.nthrys.com/cheminformatics/molecular-dynamics-trajectory-analysis-research
Chemical Intuition and Rule-Based Systems https://internships.nthrys.com/cheminformatics/chemical-intuition-rule-based-systems	**Compound Library Design and Optimization** https://internships.nthrys.com/cheminformatics/compound-library-design-optimization
Drug-Disease Association Network Analysis https://internships.nthrys.com/cheminformatics/drug-disease-association-network-analysis	**Chemical Affordability and Synthetic Accessibility Assessment** https://internships.nthrys.com/cheminformatics/chemical-affordability-synthetic-accessibility-assessment
Pharmacophore Modeling and Pattern Recognition https://internships.nthrys.com/cheminformatics/pharmacophore-modeling-pattern-recognition	**Chemical Structure Novelty Assessment Methods** https://internships.nthrys.com/cheminformatics/chemical-structure-novelty-assessment-methods
Metabolism-Based Drug-Drug Interaction Prediction https://internships.nthrys.com/cheminformatics/metabolism-based-drug-drug-interaction-prediction	**Cheminformatics for Immunotherapy Research** https://internships.nthrys.com/cheminformatics/cheminformatics-immunotherapy-research
Chemical Combinatorial Space Sampling Research https://internships.nthrys.com/cheminformatics/chemical-combinatorial-space-sampling-research	**Peptide and Protein Sequence Cheminformatics** https://internships.nthrys.com/cheminformatics/peptide-protein-sequence-cheminformatics
Chemical Fingerprint Comparison and Benchmarking https://internships.nthrys.com/cheminformatics/chemical-fingerprint-comparison-benchmarking	**Machine Learning Model Interpretability in Chemistry** https://internships.nthrys.com/cheminformatics/machine-learning-model-interpretability-chemistry
Chemical Batch Effect Detection and Correction https://internships.nthrys.com/cheminformatics/chemical-batch-effect-detection-correction	**Emerging Contaminant Prediction and Detection** https://internships.nthrys.com/cheminformatics/emerging-contaminant-prediction-detection

Cheminformatics Internship Topics and Focused Areas

AI Generative Molecular Design Research

- Generative Models for Drug-like Molecule Synthesis
- Molecular Property Prediction using Deep Learning
- De Novo Drug Discovery with Reinforcement Learning
- Molecular Scaffold Optimization and Library Design
- Explainable AI for Structure-Activity Relationship Modeling

Machine Learning QSAR/QSPR Research

- Molecular Descriptor Engineering for QSAR Model Development
- Machine Learning Algorithm Optimization for QSPR Predictions

- Dataset Curation and Validation for Cheminformatics Modeling
- Model Interpretation and Explainability in Chemical Property Prediction
- Transfer Learning and Deep Learning for Chemical Space Exploration

AI Virtual Compound Library Design Research

- Molecular Generation Models for Drug Discovery
- Virtual Screening and Molecular Docking Workflows
- Chemical Space Exploration and QSAR Modeling
- Synthetic Accessibility Assessment and Retrosynthesis Planning
- Cheminformatics Database Development and Curation

AI Chemical Graph Neural Network Research

- Molecular Property Prediction using Graph Neural Networks
- Drug Discovery Pipeline Optimization with GNNs
- Chemical Reaction Outcome Prediction
- Molecular Graph Generation and De Novo Drug Design
- Attention Mechanisms in Chemical Graph Networks

Molecular Fingerprint Development and Optimization

- Fingerprint Algorithm Comparison and Benchmarking
- Machine Learning-Based Fingerprint Feature Selection
- Custom Fingerprint Design for Drug-Like Molecules
- Fingerprint-Based Molecular Diversity Analysis
- Deep Learning Models for Fingerprint Generation and Optimization

Molecular Descriptor Development and Selection

- Quantitative Structure-Activity Relationship (QSAR) Descriptor Engineering
- Machine Learning-Based Molecular Descriptor Selection and Feature Reduction
- 3D Molecular Descriptor Generation and Conformational Analysis
- Cheminformatics Descriptor Benchmark Development and Validation
- Custom Descriptor Implementation and Chemical Space Characterization

Lead Compound Optimization Strategy Research

- Structure-Activity Relationship (SAR) Analysis and Machine Learning Modeling
- Molecular Descriptor Generation and Feature Engineering for Lead Optimization
- Virtual Screening and Docking-Based Lead Prioritization
- ADME Property Prediction and Drug-Likeness Assessment
- Scaffold Hopping and Chemical Space Exploration for Novel Lead Generation

Metabolism-Based Drug-Drug Interaction Prediction

- Cytochrome P450 Enzyme Inhibition Modeling
- Metabolic Pathway Analysis and Substrate Classification
- Machine Learning Models for DDI Prediction
- Pharmacophore Development for Metabolic Enzyme Binding
- DDI Database Curation and Structure-Activity Relationship Mining