



**Institute for Advanced Studies
in Basic Sciences**
Gava Zang, Zanjan, Iran

6th International and 8th National IASBS Symposium in Biological Sciences:

Ligand Binding

February. 15 & 16, 2024

THE MAJOR TOPICS OF THE SYMPOSIUM

- Mechanism of ligand binding
- Prediction of ligand binding
- Thermodynamics and kinetics of ligand binding
- Ligand binding assay
- Protein-ligand interactions
- DNA-ligand interaction
- Ligand based drug design

INVITED SPEAKERS



Ali A. Moosavi-Movahedi, PhD

Institute of Biochemistry and Biophysics, University of Tehran, Iran

Title of Lecture: Mysteries of Protein Cooperativity



Leila Hassani, PhD

Institute for Advanced Studies in Basic Sciences, Zanjan, Iran

Title of Lecture: The Effect of Oxidation on The Binding of Anticancer Drugs to G-Quadruplex DNA



Ariane Nunes Alves, PhD

Technical University of Berlin, Germany

Title of Lecture: Investigating Ligand Binding Kinetics in Kinases and Hydrogenases: Insights from Molecular Dynamics Simulations



Shiva Akbari-Birgani, PhD

Institute for Advanced Studies in Basic Sciences, Zanjan, Iran

Title of Lecture: Taking Advantage of Ligand Conjugated Nanoparticles in Targeted Gene Therapy of Breast Cancer



Rizwan Hasan Khan, PhD

Aligarh Muslim University, India

Title of Lecture: My Journey through Master Biomolecule

ABSTRACT SUBMISSION DEADLINE

January. 30, 2024

LOCATION

Department of Biological Sciences, IASBS, Zanjan, Iran



Please Scan for More Info

<https://iasbs.ac.ir/~biosymp/1402>

Note: The background figure is "Complex structure of DNA with self-catalyzed depurination activity". PBD ID: 7cpw



Berend Lammert de Groot, PhD

Max-Planck Institute for Biophysical Chemistry, Gottingen, Germany

Title of Lecture: Accurate Relative and Absolute Ligand Binding Free Energies from Alchemical Molecular Dynamics Free Energy Simulations



Liviu Movileanu, PhD

Syracuse University, US

Title of Lecture: Protein-Protein Interactions Using Nanopores



Bhaskar Datta, PhD

Indian Institute of Technology Gandhinagar, India

Title of Lecture: G-Quadruplex Ligands as a Tool for Assessing Nucleic Acid Structure and Function



Krishna Mohan Poluri, PhD

Indian Institute of Technology, Roorkee, India

Title of Lecture: Elucidation of Molecular Recognition Features and Conformational Heterogeneity of Complex Protein Systems



Sponsored by

Iran Society of Biophysical Chemistry