



Theoretical and Practical Course

"Molecular Modelling and Structure-Function Relationships"

Studies of Enzymes of Biotechnological Interest"



19-24 April 2010

Sfax, Tunisia

Organisers

Samir BEJAR (Centre of Biotechnology of Sfax, Sfax, Tunisia)
Richard HASER (Institute for the Biology and Chemistry of Proteins, Lyon, France)

Speakers

Mamdouh BEN ALI (Center of Biotechnology of Sfax, Sfax, Tunisia)
Gilbert DELEAGE (IBCP, CNRS & University of Lyon, France)
Alain ROUSSEL (Center of Molecular Biophysics, CNRS, Orléans, France)
Nushin AGHAJARI (IBCP, CNRS & University of Lyon, France)
Mirjam CZJZEK (Marine Biological Station, CNRS, Roscoff, France)
Richard HASER (IBCP, CNRS & University of Lyon, France)
Samir BEJAR (Center of Biotechnology of Sfax, Sfax, Tunisia)

Topics

Structural Enzymology
Basic Crystallography and crystallogenesi
3D structure validation and visualisation
3D structure determination via Biocrystallography techniques and methods
3D structure by molecular modelling
Molecular Docking and protein-ligand interactions (ligand: substrate, inhibitor, other protein...)
Potential application of structures of proteins and their complexes

Participants

Participants must have a basic working knowledge of biochemistry, bioinformatics and molecular biology and be involved in research where the potential application of the Course material would be useful. Preference will be given to students and junior scientists. Registration is limited to 20 participants.

Funding

A limited number of grants, covering accommodation (twin share) and local hospitality for the duration of the Course are available to nationals of ICGEB Member States.
Travel is NOT funded. Please note that there is no registration fee.

Closing date for application 31 December 2009

Contact

Submit your participation form, *curriculum vitae* in English and a short list of publications (if any) to: Samir Bejar, Centre of Biotechnology of Sfax, Route de Sidi Mansour km 6 BP "1177", 3018, Sfax, Tunisia
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