

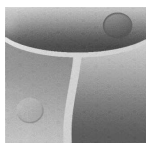
PROGRAMME

Tuesday, May 18th, Afternoon

- 16:00-18:00** **Registration**
- 18:00-19:00** **Welcome Address & Concert**
- 19:00-20:00** **Opening Lecture.** Chair: Miguel A. De la Rosa (Seville, Spain)
- Robert Huber** (Martinsried, Germany)
 Transient and Weak Protein-Protein and Protein-Ligand
 Interactions and the Problems for Protein Crystallography. **OL**
- 20:00-** **Get-together party.** Renacimiento Hotel

Wednesday, May 19th, Morning

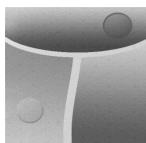
- 08:30-10:45** **First Session.** Chair: José A. Navarro (Seville, Spain)
Protein-Ligand Interactions
- 08:30-09:15 **Alexandre M.J.J. Bonvin** (Utrecht, The Netherlands)
 Information-Driven Modelling of Biomolecular Complexes.
 Challenges and Perspectives. **L-1**
- 09:15-10:00 **Francesc X. Avilés** (Barcelona, Spain)
 BIFC-Bimolecular Fluorescence Protein Complementation, a Useful
 Approach to Study Protein Interactions and Protein-Ligand
 Competition *in vivo*. **L-2**
- 10:00-10:45 **Milagros Medina** (Zaragoza, Spain)
 Structural Factors Involved in the Transient Catalytically-
 Competent Coenzyme Allocation in the Active Site of *Anabaena*
 Ferredoxin NADP⁺ Reductase. **L-3**
- 10:45-11:15** **Coffee Break**
- 11:15-12:45** **Second Session.** Chair: Francisco J. Blanco (Bilbao, Spain)
Protein-Carbohydrate Interactions
- 11:15-12:00 **Pedro M. Nieto** (Seville, Spain)
 STD (Saturation Transfer Difference) NMR Spectroscopy in the
 Study of Ligand-Receptor Interactions. **L-4**
- 12:00-12:45 **Hugues Lortat-Jacob** (Paris, France)
 Chemokine-Heparan Sulphate Interactions as Seen by Surface
 Plasmon Resonance Analysis. **L-5**
- 12:45-15:00** **Lunch.** Renacimiento Hotel



PROGRAMME

Wednesday, May 19th, Afternoon

- 15:00-16:30** **Third Session.** Chair: Manuel Hervás (Seville, Spain)
Protein-Membrane Interactions
- 15:00-15:45 **Anthony Watts** (Oxford, UK)
Dynamics and Conformationally Induced Transient Interactions of Ligand Activated Membrane Targets Using Solid State NMR – ATPases, Ion Channels and GPCRs. **L-6**
- 15:45-16:30 **Peter Hildebrandt** (Berlin, Germany)
Protein Structure and Dynamics at Biomimetic Interfaces– Vibrational Spectroscopic Approaches. **L-7**
- 16:30-17:00** **Coffee/Tea Break**
- 17:00-17:45** **Fourth Session.** Chair: Pedro M. Nieto (Seville, Spain)
Protein-Protein Interactions
- 17:00-17:45 **Gideon Schreiber** (Rehovot, Israel)
The Effect of Crowding on Binding. **L-8**
- 17:45-18:45** **Oral Communications.** Chair: Pedro M. Nieto (Seville, Spain)
- 17:45:18:00 **Jesús Angulo** (Seville, Spain)
Quantitative Affinity Measurements of Transient Protein-Ligand Interactions by STD NMR: Binding Isotherm of STD-Initial-Growth-Rates. **OC-1**
- 18:00-18:15 **Silvia Mari** (Milan, Italy)
2D TR-NOESY Experiments Interrogate and Rank Ligand–Receptor Interactions in Living Human Cancer Cells. **OC-2**
- 18:15-18:30 **Israel Ramirez-Sanchez** (San Diego, USA)
eNOS Activation Via Ca²⁺/CaM-CaMKII and PI3K Pathways by the Cacao Flavanol Epicatechin. **OC-3**
- 18:30-18:45 **Ekaterina Posokhova** (Minneapolis, USA)
Quantitative Interactome Analysis of RGS9-2 Degradation Mechanism in Mammalian Brain. **OC-4**



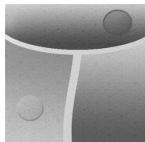
PROGRAMME

Thursday, May 20th, Morning

- 08:30-10:45** **First Session.** Chair: Antonio Díaz-Quintana (Seville, Spain)
Protein-Protein Interactions
- 08:30-09:15 **Christian Griesinger** (Goettingen, Germany)
Recognition Dynamics and Kinetics for Ubiquitin. **L-9**
- 09:15-10:00 **Marcellus Ubbink** (Leiden, The Netherlands)
Interaction Specificity of Transient Redox Protein Complexes.
L-10
- 10:00-10:45 **Rita Bernhardt** (Saarbrücken, Germany)
New Aspects of Cytochrome P450/Redox Partner Interactions.
L-11
- 10:45-11:15** **Coffee Break**
- 11:15-12:45** **Second Session.** Chair: Marta Bruix (Madrid, Spain)
Protein-Protein Interactions
- 11:15-12:00 **Miquel Pons** (Barcelona, Spain)
Integrating c-Src Signaling Through Interactions Between Folded
and Unfolded Domains. **L-12**
- 12:00-12:45 **Irene Díaz-Moreno** (Seville, Spain)
Diving into Transient Interactions between Biomolecules: From
Redox Systems to Post-Transcriptional Regulatory Complexes.
L-13
- 12:45-15:00** **Lunch.** Renacimiento Hotel

Thursday, May 20th, Afternoon

- 15:00-16:00** **Oral Communications.** Chair: Marcellus Ubbink (Leiden, The
Netherlands)
- 15:00-15:15 **Jonathan Martínez-Fábregas** (Seville, Spain)
Screening of Novel Proteins Interacting with Algal, Plant and
Human Cytochrome c. **OC-5**
- 15:15-15:30 **Peter H.J. Keizers** (Leiden, The Netherlands)
A Solution Model of the Complex Formed by Adrenodoxin and
Adrenodoxin Reductase Determined by Paramagnetic NMR
Spectroscopy. **OC-6**

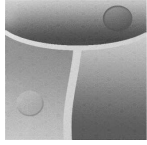


PROGRAMME

- 15:30-15:45 **Martin Blackledge** (Grenoble, France)
MR Studies of Protein Conformational Dynamics and their Role in Weak Protein-Protein Complexes. **OC-7**
- 15:45-16:00 **Florence Lederer** (Orsay, France)
Structural Evidence for the Functional Importance of the Heme Domain Mobility in Flavocytochrome b_2 . **OC-8**
- 16:00-17:00** **Posters & Cold Drinks**
- 17:00-18:00** **Round Table.** State-of-the-art and perspectives
Chairs: Miguel A. De la Rosa & Irene Díaz-Moreno (Seville, Spain)
- 18:30-20:00** **Guadalquivir Cruise**

Friday, May 21st, Morning

- 08:30-10:45** **First Session.** Chair: Irene Díaz-Moreno (Seville, Spain)
Protein-Nucleic Acid Interactions
- 08:30-09:15 **Reinhard Lührmann** (Göttingen, Germany)
Proteomic Analyses and Structural Dynamics of the Human and Yeast pre-mRNA Splicing Machineries. **L-14**
- 09:15-10:00 **Teresa Carlomagno** (Heidelberg, Germany)
Three-Dimensional Architecture of Macromolecular Assemblies Studied by NMR: from High to Low Affinity Complexes. **L-15**
- 10:00-10:45 **Joseph Puglisi** (Stanford, USA)
Dynamics of Translation. **L-16**
- 10:45-11:15** **Coffee Break**
- 11:15-12:45** **Second Session.** Chair: Agustín Vioque (Seville, Spain)
Protein-Nucleic Acid Interactions



PROGRAMME

- 11:15-12:00** **Renée Schroeder** (Vienna, Austria)
Proteins with RNA Chaperone Activity. **L-17**
- 12:00-12:45** **Andres Ramos** (London, UK)
Molecular Basis of FIR-Mediated *c-myc* Transcriptional Control.
L-18
- 12:45-15:00** **Lunch.** Renacimiento Hotel

Friday, May 21st, Afternoon

- 15:00:16:00** **Oral Communications.** Chair: Andres Ramos (London, UK)
- 15:00-15:15 **Francisco J. Blanco** (Bilbao, Spain)
The Bivalent Recognition of H3K4me3 by Tumour Suppressor ING4 Suggests a Mechanism for Enhanced Targeting of HBO1 Complex to Chromatin. **OC-9**
- 15:15-15:30 **Tiago N. Cordeiro** (Barcelona, Spain)
NMR Structure of Two DNA Complexes of the C-terminal Domain of Ler, a Master Regulator of Pathogenicity in Virulent *Escherichia coli*. **OC-10**
- 15:30-15:45 **Nerea Martín-Pintado** (Madrid, Spain)
Differential Stability of 2'F-ANA-RNA and ANA-RNA Hybrid Duplexes: Roles of Structure and Pseudohydrogen Bonding. **OC-11**
- 15:45-16:00 **Boris Fürtig** (Vienna, Austria)
Transient Interactions with RNA Chaperones Modulate the Conformational Landscape of RNAs. **OC-12**
- 16:00-17:00** **Posters & Cold Drinks**
- 17:00-18:00** **Closing Lecture.** Chair: Miguel A. De la Rosa (Seville, Spain)

Ivano Bertini (Florence, Italy)
NMR for the Discovery of New Biochemical Pathways. **CL**
- 20:00-21:00** **Visit to the Alcázar**
- 21:00-** **Workshop dinner**