



***“International symposium on the frontier between
Cryo-EM and Protein Crystallography”***

Meeting in honour of Jorge Navaza

2/October/2013

16:00 -20:00 Registration

3/October/2013

8:30 – 9:30 Registration

9:45 – 10:00 *Welcome and Opening Words: Diego M.A. Guérin (Spain)*

Session I (Chair Lucy Malinina, U.S.A.) - Viral and Vault Structure I

10:00 – 10:30 Félix-Rey (France)
Structure of regular enveloped viruses and implications for their evolution.

10:30 – 11:00 Fasseli Coulibaly (Australia)
Protein-induced membrane remodeling by D13, the scaffolding protein of vaccinia virus.

11:00 – 11:30 *Coffee break*

Session II (Chair Juan A. Subirana, Spain) - Viral and Vault Structure II

11:30 – 12:00 Nicola Abrescia (Spain)
How a protein-lipid nanotube delivers a viral genome.

12:00 – 12:30 José R. Castón (Spain)
Near-atomic resolution of Penicillium chrysogenum virus by cryo-electron microscopy.





12:30 – 13:00 Nuria Verdaguer (Spain)
Architecture and Dynamics of the vault ribonucleoprotein particle.

13:00 – 15:00 *Lunch break*

Session III (Chair *Hartmut Luecke, U.S.A.*) - Protein complexes structure I

15:00 – 15:30 Marcel Knossow (France)
Structure of a kinesin-tubulin complex and implications for kinesin motility.

15:30 – 16:00 Miquel Coll (Spain)
Structure of two transcription factor-DNA complexes .

16:00 – 16:30 Juan Hermoso (Spain)
Structural Biology of Bacterial Pathogenesis.

16:30 – 17:00 *Coffee break*

Session IV (Chair *Eleanor Dodson, UK*) - Methods in Cryo-EM and Crystallography I

17:00 – 17:30 Eleanor Dodson (UK)
Amore, distributed with CCP4. A great step forward for Molecular Replacement.

17:30 – 18:00 Chantal Abergel (France)
Ansias de AMoRE.

18:00 – 18:20 Leandro Estrozi (France)
On the use of spherical harmonics in Cryo-EM 3D reconstruction.

18:20 – 18:40 Stefano Trapani (France)
“cjn”

Plenary Session (Chair and Presentation *Cele Abad-Zapatero, USA / Pedro Alzari, France*)

18:40 – 19:40 Jorge Navaza (France)
Looking Backward.





20:30 Celebration dinner

4/October/2013

Session V (Chair Alejandro Buschiazzo, Uruguay) - Methods in Cryo-EM and Crystallography II

- 9:30 – 10:00 Abelardo Silva (U.S.A.)
Towards A New Generation of Molecular Geometry Parameters.
- 10:00 – 10:30 Garib Murshudov (U.K.)
Towards low resolution crystal structure analysis of macromolecules.
- 10:30 – 11:00 Alberto Podjarny (France)
Combining subatomic resolution X-Ray and neutron diffraction of “tiny” crystals to solve biological puzzles.
- 11:00 – 11:30 Philippe Dumas (France)
Universality of a generalized Clapeyron-Clausius equation: From macromolecule stability and well beyond.
- 11:30 – 12:00 Coffee break

Session VI (Chair Alexei Vagin, UK) - Protein complexes structure II

- 12:00 – 12:30 Xavier Gomis-Rüth (Spain)
At the interface of EM and MX: Structural insights into the Venus flytrap inhibitory mechanism of a 0,7MDa multimeric proteinase inhibitor.
- 12:30 – 13:00 Vicente Rubio (Spain)
From Carbamoyl Phosphate Synthetase 1 to Carbamoyl Phosphate Synthetase 1: twenty years of molecular crystallography of a non-crystallographic laboratory.



- 13:00 – 13:30 Dino Moras (France)
Molecular Structures of Nuclear Hormone Receptors on DNA
- 13:30 *Meeting Closure: Dino Moras (France)*
- 13:45 *Lunch and farewell*

Cultural and leisure activity**

***Additional 25€ are required. The payment should be done in the registration desk (2 and 3 October).*

- 16:30 – 19:00 Visit Guggenheim Museum Bilbao.
- 19:00 – 21:00 “Pintxo-Pote” at the Old Part of Bilbao.