

GLYCOVAX TRAINING EVENT IV

12th-16th March 2018 - CIC bioGUNE, Building 801A - Bilbao, Spain

DAY 1

Monday 12th March 2018

09.00 - 09.30 **Registration & Welcome**

Jesús Jiménez-Barbero - Asociación Centro de Investigación Cooperativa en Biociencias, Spain

09.30 - 10.30 **Monoclonal antibody production and characterization**

Juan Anguita - Asociación Centro de Investigación Cooperativa en Biociencias, Spain

Rafael Prados - Asociación Centro de Investigación Cooperativa en Biociencias, Spain

10.30 - 11.00 *Coffee break*

Training: Chemico-physical methods to study qualitatively and quantitatively carbohydrate-protein interactions

11.00 - 12.00 **Glycan recognition: Glycomics & Glycoarrays**

Niels Reichardt - Centro de Investigación Cooperativa en Biomateriales, Spain

12.00 - 13.00 **Protein-Carbohydrate Interactions. A General View**

Jesús Jiménez-Barbero - Asociación Centro de Investigación Cooperativa en Biociencias, Spain

13.00 - 14.00 *Lunch*

14.00 - 15.00 **X-ray Diffraction and Protein-Carbohydrate Interactions. I**

Adriana Rojas - Asociación Centro de Investigación Cooperativa en Biociencias, Spain

15.00 - 16.00 **X-ray Diffraction and Protein-Carbohydrate Interactions. II**

Nicola Abrescia - Asociación Centro de Investigación Cooperativa en Biociencias, Spain

16.00 - 16.30 *Coffee break*

16.30 - 17.30 **NMR and Protein-Carbohydrate Interactions. I**

Ana Gimeno - Asociación Centro de Investigación Cooperativa en Biociencias, Spain

19.30 *Networking dinner*

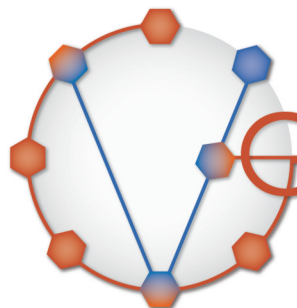


European
Commission

Horizon 2020
European Union funding
for Research & Innovation

Meeting venue:
**CIC bioGUNE - Bizkaia Science and Technology Park
Building 801 A - 48160 Derio, Bizkaia - Bilbao, Spain**

Organization and
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DAY 2

Tuesday 13th March 2018

- 09.30 - 10.30 **NMR and Protein-Carbohydrate Interactions. II**
Ana Ardá - Asociacion Centro de Investigacion Cooperativa en Biociencias, Spain
- 10.30 - 11.00 *Coffee break*
- 11.00 - 12.00 **Molecular Modelling & Protein-Sugar Interactions**
Francisco Corzana - Universidad de la Rioja, Spain
- 12.00 - 13.00 **Molecular Modelling. Overview: Sugars & Proteins**
Luca Unione - Atlas Molecular Pharma, Spain
- 13.00 - 14.00 *Lunch*
- 14.00 - 15.15 **Frontiers in Molecular Modelling**
Gonzalo Jiménez-Osés - Universidad de la Rioja, Spain
- 15.15 - 16.30 **Biophysical Methods to analyze protein-sugar interactions**
Oscar Millet - Asociacion Centro de Investigacion Cooperativa en Biociencias, Spain
- 16.30 - 18.00 *Visit to bioGUNE Structural Biology facilities*
- 19.30 *Networking dinner*

DAY 3

Wednesday 14th March 2018

Annual network Symposium 2 - ESRs will report on their projects. 25 min each, including discussions

- 09.00 - 10.45 **ESR 1-4**
- 10.45 - 11.15 *Coffee break*
- 11.15 - 13.00 **ESR 5-8**
- 13.00 - 14.00 *Lunch*
- 14.00 - 16.30 **ESR 9-14**
- 16.30 - 18.00 *Coffee break and Supervisory Board Meeting*
- 19.30 *Networking dinner*

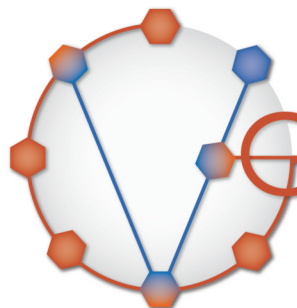


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DAY 4

Thursday 15th March 2018

09.30 - 10.30 **Molecular Recognition of carbohydrate antigens**
Pablo Valverde - Asociación Centro de Investigación Cooperativa en Biociencias, Spain

Course: Frontiers in Cryo-Electron Microscopy

11.00 - 11.10 **Welcome and introduction to the Cryo-Electron Microscopy unit at the CIC bioGUNE**

11.10 - 12.00 **High resolution Cryo-Electron Microscopy**
Mikel Valle - Asociación Centro de Investigación Cooperativa en Biociencias, Spain

12.00 - 12.50 **101 images from the daily life of a Microscopy Facility technician**
Ricardo Andrade - Universidad del País Vasco, Spain

12.50 - 13.40 **Electron microscopy of icosahedral particles and pleomorphic biological systems**
Nicola Abrescia - Asociación Centro de Investigación Cooperativa en Biociencias / Ikerbasque, Spain

13.40 - 14.30 **Microscopía electrónica y microanálisis de materiales en la UPV/EHU: desde la micra hasta la resolución atómica**
Maria Luisa Nó - Universidad del País Vasco, Spain

14.30 - 15.30 *Lunch*

15.30 - 16.20 **Izasa scientific**

16.20 - 17.10 **Using single particle Cryo-Electron Microscopy to understand antibiotic action and ribosomal activities**
Sean Connell - Asociación Centro de Investigación Cooperativa en Biociencias / Ikerbasque, Spain

17.10 - 18.00 **What the Electron Microscopy Platform at the CIC bioGUNE can do for you**
David Gil - CIC bioGUNE Electron Microscopy Platform, Spain

18.00 - 18.50 **Electron Microscopy Lab at nanoGUNE (San Sebastian): a guided tour**
Andrey Chuvilin - CIC nanoGune, Spain

18.50 **Closing comments**

19.00 *Free evening*

DAY 5

Friday 16th March 2018

Morning **Guided visit to the Guggenheim Museum**



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