



1st Glycobasque Meeting

CIC bioGUNE- Edificio 800 (Atrio)

May 15, 2017

STRUCTURAL GLYCOBIOLOGY LAB

- 9:30-9:45 **Marcelo Guerin**: Introduction to the Structural Glycobiology Group
- 9:55-10:10 **David Albesa-Jové**: Unraveling the catalytic mechanism of retaining glycosyltransferases.
- 10:20-10:35 **Beatriz Trastoy**: Structural basis of phosphatidylinositol mannosides biosynthesis in mycobacteria.
- 10:45-11:00 **Marcelo Guerin**: Structural basis of glycogen biosynthesis and regulation in bacteria.

MACROPHAGE AND TICK VACCINE LAB

- 11:10-11:35 **Rafael Prados**: Identification of mechanisms of protection of antibodies generated via vaccination with an Antituberculosis conjugate vaccine

11:40-12:00 COFFEE BREAK

CHEMICAL GLYCOBIOLOGY LAB

- 12:00-12:15 **Ana Ardá**: DC-SIGN: The paradigm of a promiscuous lectin
- 12:25-12:40 **Jesús Jiménez Barbero**: Breaking the limits of carbohydrate recognition by NMR
- 12:50-13:05 **Ana Gimeno**: Glycan epitopes in action. Modulating carbohydrate recognition by chemical modifications at distant sites
- 13:15-13:30 **Luca Unione**: Glycomimetics as NMR active probes for Protein-Carbohydrate interactions
- 13:40-13:55 **Ana Poveda**: Unravelling the conformation and dynamics of homopolysaccharides. A combined theoretical and experimental NMR approach

14:00-15:00 LUNCH

GLYCOTECHNOLOGY LAB

- 15:00-15:15 **Niels Reichardt**: 10 years of glycotechnology at CIC biomaGUNE
- 15:25-15:40 **Barbara Kuhn**: Neoglycoproteins role in protein corona formation and immunomodulation
- 15:50-16:05 **Sonia Serna**: Glycan microarrays for studying protein carbohydrate interactions
- 16:15-16:30 **Ana Cioce & Julie Pham**: Synthesis of N- and O- glycan mimetics for CLR targeting

CHEMICAL IMMUNOLOGY LAB

- 16:40-17:05 **Alberto Fernández-Tejada**: Discovery of better saponin vaccine adjuvants at the chemistry-immunology interface