

SECCIÓN TERRITORIAL DE LA REAL SOCIEDAD ESPAÑOLA DE QUÍMICA EN LAS ISLAS BALEARES (RSEQ-IB)

Descripción de las actividades a desarrollar en 2013

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Tal como consta en el Acta de la reunión ordinaria de la RSEQ-IB celebrada el 12 de diciembre de 2012, la Dra. Josefa Donoso Pardo, catedrática de Química Física, solicita financiación para bolsas de viaje que faciliten la asistencia de jóvenes investigadores/estudiantes al evento

“EMBO Workshop: Glycoproteins, from structure to disease”

que se ha de celebrar en Palma del 24 al 26 de Abril de 2013, organizado conjuntamente por los Dres/as: Annalisa Pastore (NIMR, UK), Josefa Donoso (UIB, España), Pierandrea Temussi (NIMR, UK), Gabriel Martorell (UIB, España) y Miquel Adrover (UIB, España). La Dra. Donoso acompaña la solicitud remitida al Dr. Saá con un informe en donde se detalla no solo la lista de conferenciantes del evento, sino también su programa y su presupuesto global.

Toda la información se halla recogida en la página web: <http://events.embo.org/13-glycoproteins>. A continuación se detalla el programa concreto Programme

Wednesday, 24 April	08:30-11:00	Arrival & Registration
		Session I Glycoproteins and disease
	09:30 - 09:45	Opening and Welcome
	09:45 - 10:15	Carlos Cordeiro (Universidade de Lisboa, Lisbon, PT) Protein glycation: An unexpected journey
	10:15 - 10:45	Aphrodite Kapurniotu (CIPSM. Munich, GE) Designed mimics of islet amyloid polypeptide as inhibitors of protein aggregation in Alzheimer's disease and type 2 diabetes
	10:45 - 11:15	Coffee Break
	11:15 - 11:45	Paul J. Thornalley (University of Warwick, Coventry, UK) Physiological protein glycation by methylglyoxal - the dicarbonyl proteome
	11:45 - 12:15	Selected presentation from participants
	12:15 - 13:15	Short Talks by selected participants
	13:15 - 14:30	Lunch
		Session II Production and characterization of Glycoproteins
	14:30 - 15:00	R. Leo Brady (University of Bristol, Bristol, UK) Expression of cell surface adhesion glycoproteins for structural analysis
	15:00 -	Kelley Moreman (University of Georgia, Athens, USA)

15:30
Leveraging glycosylation enzyme expression platforms: new structural insights on mammalian glycosyltransferase and glycosidase specificity

15:30 -
16:00 Andrea Carfi (Novartis Pharmaceuticals Corporation, USA)
Carfi's conference

16:00 -
16:30 Coffee Break

16:30 -
17:00 ChristineM. Szymansky (University of Alberta, Edmonton, CA)
Understanding bacterial N-linked protein glycosylation

17:00 -
20:00 Palma Guided Tour

Thursday, 25 April

Session III Structure of glycoproteins I

09:30 -
10:00 Frédéric Allain (ETH, Zurich, Switzerland)
Carbohydrate recognition by lectin at high-resolution using NMR spectroscopy

10:00 -
10:30 Jesús Jiménez Barbero (CSIC, Madrid, SP)
Carbohydrate-protein interactions. A 3D view by using NMR.

10:30 -
11:00 Coffee Break

11:00 -
11:30 Mario Schubert (ETH, Zurich, Switzerland)
Glycans rigidified by a C-H...O hydrogen bond are found in a large number of glycoepitopes with biological and medical relevance

11:30 -
12:00 Selected presentation from participants

12:30 -
13:00 Short Talks by selected participants

13:00 -
14:30 Lunch

Session IV Structure of glycoproteins II

14:30 -
15:00 Human Rezaei (INRA, Jouy-en-Joses, FR)
Glycan chains modulate prion protein binding to immobilized metal ions and accessibility to new anti-PrP monoclonal antibodies

15:00 -
15:30 Cameron Neylon (RAL, Didcot, UK)
Cameron's conference

15:30 -
16:00 Selected presentation from participants

16:00 -
18:00 Coffee Break & Poster Sesion

20:30 -
23:00 Dinner

Friday, 26 April

Session V Computational approaches to Glycoproteins and New Frontiers

09:30 -
10:00 Yaakov Levy (Weizmann Insitute of Science, Rehovot, Israel)
Folding of Glycoproteins: Biophysical consequences of glycosylation

10:00 -
10:30 Ignacio Tuñón (Universidad de Valencia, Valencia, SP)
Protein Motions and Catalysis

10:30 - Coffee Break
11:00 -
11:00 - Xavier Fernandez Busquets (CRESIB, Barcelona, SP)
11:30 - Glycosaminoglycans in Alzheimer and malaria and in the origin of Metazoa
11:30 - Selected presentation from participants
12:00 -
12:30 - Short Talks by selected participants
13:00 -
13:00 - Lunch
14:30 -

Session VI New Frontiers

14:30 - Kerensa Broensen (University of Twente, Enschede, Netherlands)
15:30 - Perspectives of protein glycation for food applications
15:30 - Louise Serpell (University of Sussex, Brighton, UK)
16:00 - Self-assembling amyloidogenic proteins: from structure to toxicity
16:00 - Coffee Break & Poster Session
17:00 -
17:30 - Short Talks by selected participants
18:00 -
18:00 - Closing Remarks
18:30 -

Fdo. José M. Saá Rodríguez
Presidente de la RSEQ-IB