

SEJIPOL2018

3rd Young Polymer Scientist Seminar

30th October 2018

Room 110, ICTP-CSIC

PROGRAM

8:30 – 9:00 – Registration
9:00 – 9:15 – Welcome

9:15 – 10:00 **Invited speaker: Jaime Martín**
POLYMAT, Universidad del País Vasco UPV/EHU

“Classical polymer physics to the rescue of organic electronics: the case of the composition of polymer solar cells”

10:00 – 11:00 **Synthesis and Characterization of Polymers**
Chairs: Jaime Martín / Julia Sánchez

10:00 – 10:15 **Francisco Javier Rivera**
Universidad de Guadalajara

“Role of the hierarchy at molecular and microstructural levels of multiblock copolymers for the design of mechanical properties”

10:15 – 10:30 **Patricio Sobarzo**
Pontificia Universidad Católica de Chile

“New thiophene-based polyazomethines containing tetraphenylsilane moieties in the backbone. Thermal, optical and electronic properties”

10:30 – 10:45 **Laia León**
ICTP-CSIC

“Hard/soft nanostructured polymer surfaces obtained by copolymerization in nanoporous AAO reactors”

10:45 – 11:00 **Marcelo Echeverri**
Instituto de Ciencia de Materiales (ICMM-CSIC)

“Conjugated Porous polymers for sensing devices”

11:00 - 11:45 Coffee Break + Flash Presentations

11:10 **Karen Alicia Peñaloza**
UNAM/ICTP-CSIC

“Synthesis and gas transport of new polynorbornene dicarboximides with aromatic pendant groups”

11:15 **Raluca Loredana**
Universidad Complutense de Madrid

“Lithium-ion battery electrodes based on coordination polymers or metal-organic frameworks (MOFs)”

11:20 **Victor Gregorio**
ICTP-CSIC

“Solid Polymer Electrolytes: Beyond the PEO”

11:25 **Jorge Montero**
ICTP-CSIC

“Coordination polymers as sustainable electrode materials for Lit-ion batteries”

11:45 – 13:15 **Polymers and nanotechnology for advanced applications**
Chairs: Coro Echeverría / Abdulaziz Aldureid

11:45 – 12:00 **Álvaro Miguel**
ICTP-CSIC

“Simple Method to Obtain Thermoplastic Polymer Electrolytes Working with Lithium Electrochemistry”

12:00 – 12:15 **Elisabet Afonso**
ICTP-CSIC

“Slippery Liquid Infused Porous Surfaces (SLIPS) based on polymer mixtures”

12:15 – 12:30 **Gloria María Pontes**
Alodia Farmacéutica SL

“Polymeric nanoparticles with antiinflammatory and antioxidant properties”

12:30 – 12:45 **Edgar Gutiérrez**
Instituto de Estructura de la Materia (IEM-CSIC)

“PEDOT:PSS thin films nanostructured by laser and its influence on its electrical properties”

12:45 – 13:00 **Aitor Nunes**
Universidad del País Vasco UPV/EHU.

“Hybrid polymer-polyoxometalate assemblies: interactions, thermal properties and self-healing behavior”

13:00 – 13:15 **Francisco José González**
ICTP-CSIC

“Ionic Liquid-Based Thermoplastic Solid Electrolytes for Energy Storage”

13:15 - 14:15 Lunch

14:15 – 15:00 **Invited speaker: Zulima Martín**
Materials & Processes Department, AIRBUS, SPAIN

“Advanced composites for aeronautical structures”

15:00 – 16:00 **Biodegradable polymers, biopolymers and biomaterials**
Chairs: Rebeca Hernández / Edgar Gutierrez

15:00 – 15:15 **Julia Sánchez**
Universidad del País Vasco UPV/EHU

“Azide-Alkyne “Click” reaction: A suitable methodology for drug immobilization in active surfaces”

15:15 – 15:30 **Eva Espinosa-Cano**
ICTP-CSIC

“Naproxen-based nanoparticles for the controlled release of dexamethasone at inflammation sites”

15:30 – 15:45 **Jon Andrade**
Universidad del País Vasco UPV/EHU

“Multilayer of chitosan and β -cyclodextrin derivatives onto polylactic acid (PLLA) with antibacterial purposes”

15:45 – 16:00 **Ainara Valverde**
Universidad del País Vasco UPV/EHU

“Polymeric coatings in titanium substrates to obtain antibacterial properties”

16:00 - 16:45 Coffee Break + Flash Presentations

16:10 **Marcos Herrero**
BIOFORGE Lab.

“Coating of PMMA surfaces by elastin-like recombinamers for Smart cell harvesting”

16:15 **Arsen Burlaka**
UC3M

“Compact polyelectrolytes based hydrogels from natural polymers”

16:20 **Gerardo Asensio**
ICTP-CSIC /CIBER-BBN

Bioinspired polymeric scaffolds for osteochondral repair

16:25 **Gema Quiñonero**
ICTP-CSIC

“Introduction to 3D Technologies and Bioprinting”

16:45 – 17:30 **Biodegradable polymers, biopolymers and biomaterials**
Chairs: Rodrigo Navarro / Eva Espinosa-Cano

16:45 – 17:00 **Sheila Maíz**
Universidad País Vasco UPV/EHU

“Injectable hydrogels for tissue engineering applications”

17:00 – 17:15 **Patricia Feijoo**
Universitat Jaume I de Castellón

“Adapting bioplastics to technology: PHB/PHBV-based blends to improve their thermoformability”

17:15 – 17:30 **Abdulaziz Aldureid**
Universitat Jaume I, Spain

“Assessment of PHB /TPE Blends Compatibilized by Reactive Extrusion”

17:30 – 18:00 **Processing and recycling of polymers, industrial processes, and composite materials**
Chair: Zulima Martín

17:30 – 17:45 **Mónica Peñas**
ICTP-CSIC

“Self-Healing Multifunctional Composite Materials for Transport Sector”

17:45 – 18:00 **Javier Alejandro Araujo**
ICTP-CSIC

“Development of self-healing elastomer composites filled with ground tire rubber”

18:00 – 18:15 **Carlos Sierra**
ICTP-CSIC

“Electrical and piezoresistive properties of polymer composites modified with graphenic sheets and carbon nanotube hybrids”

18:15 Closing Session

**Organized by: Instituto de Ciencia y
Tecnología de Polímeros
ICTP - CSIC**

Rebeca Hernández
Luis Rojo
Gema Rodríguez