

# Spotlight POLYMAT

San Sebastián, 29<sup>th</sup> June - 2<sup>nd</sup> July 2026

Monday 29 <sup>th</sup> June 2026		
14:00 - 15:30	Registration	
15:30 - 16:00	Opening	
Chair	To be announced	
16:00 - 17:00	<b>Tanja Weil</b> <i>Plenary Lecture</i>	<i>To be announced</i>
17:00 - 18:00	<b>Kenichiro Itami</b> <i>Plenary Lecture</i>	<i>From new forms to new functions of carbon: Synthesis, materials, and biology</i>
18:00	Welcome Cocktail	

Tuesday 30 <sup>th</sup> June 2026		
Chair	To be announced	
09:00 - 10:00	<b>Frank Würthner</b> <i>Plenary Lecture</i>	<i>Supramolecular Engineering of Functional Nanosystems</i>
10:00 - 10:15	<b>Diego Peña</b> <i>Contributing Lecture</i>	<i>Exploring Novel Routes to Molecular Materials by On-Surface Synthesis</i>
10:15 - 10:30	<b>Silvia Cobos</b> <i>Contributing Lecture</i>	<i>Synthesis of 8-Membered Ring Analogues of Pentacene and Heptacene</i>
10:30 - 11:00	<b>Jiaobing Wang</b> <i>Keynote Lecture</i>	<i>Nanographene C222: My last experiment in the fume hood</i>
11:00 - 11:45	Coffee Break	
Chair	To be announced	
11:45 - 12:15	<b>Jeanne Crassous</b> <i>Keynote Lecture</i>	<i>Multifunctional helicene-based chemical platforms</i>
12:15 - 12:30	<b>David Curiel</b> <i>Contributing Lecture</i>	<i>From surface-supported 2D-hydrogen-bonded organic frameworks to 2D-metal organic frameworks</i>
12:30 - 12:45	<b>Carlos Romero-Nieto</b> <i>Contributing Lecture</i>	<i>Advanced Phosphorus Heterocycles for Controlling 3D Nanomaterials</i>
12:45 - 13:00	<b>Manuel Melle-Franco</b> <i>Contributing Lecture</i>	<i>Stacking, Twist, and Moiré Superlattices in Covalent Organic Frameworks</i>
13:00 - 13:30	<b>Irena G. Stará</b> <i>Keynote Lecture</i>	<i>Helical Aromatics: Synthesis and Properties of Molecular Building Blocks</i>
13:30 - 15:30	Lunch	
Chair	To be announced	
15:30 - 16:00	<b>Juan Casado</b> <i>Keynote Lecture</i>	<i><math>\pi</math>-Molecules: From Linear-Planar Narrowband Emitters to Cyclic-Curved Lasing Emitters</i>
16:00 - 16:15	<b>Guangyuan Feng</b> <i>Contributing Lecture</i>	<i>Interfacial Construction, Dynamic Regulation, and Functional Exploration of Monolayer and Bilayer Covalent Organic Frameworks</i>
16:15 - 16:30	<b>Carlos M. Cruz</b> <i>Contributing Lecture</i>	<i>Spirobisanthracene-tetraphenylethene hybrids: solid-state chiral emitter</i>
16:30 - 16:45	<b>Víctor Pastor-Marcos</b> <i>Contributing Lecture</i>	<i>In Search of Antiaromaticity in Molecular Nanographenes</i>

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16:45 - 17:45		Flash Session
Chair	To be announced	
P01	<b>Karol Strutyński</b>	<i>COFs gone wild: tracking polymorphic structures?</i>
P02	<b>J. Patino-Alonso</b>	<i>Amphiphilic Glycofullerene–Nanographene Hybrids as Photoactive Platforms for Biomedical Applications</i>
P03	<b>Nicolás Rey</b>	<i>Synthesis and Characterization of Triptycene-Integrated Non-Planar Polyarenes</i>
P04	<b>Fournier Le Ray Nicolas</b>	<i>Supramolecular photogenerated qubit candidates</i>
P05	<b>Rajat Rai</b>	<i>Multi-Material Printing of bioresorbable and conducting PEDOT Hydrogels for Intracranial Pressure Monitoring</i>
P06	<b>Lorenzo Capone</b>	<i>Design and synthesis of a molecular nanographene exhibiting sharp aggregation-induced enhanced emission</i>
P07	<b>P. Carreño-Flores</b>	<i>Dual TADF and TTA Emission and Mechanochromic Properties in Dibenzophenazine Based Molecule with D-A-D Structure</i>
P08	<b>Benedetta Brugnoli</b>	<i>Engineering Bio-Based Polyester Architectures for Nanomedicine and Biointerfaces</i>
P09	<b>Johan Garcia</b>	<i>Microfibrillar Composites from PBSA/PLA Blends: Effect of Draw Ratio in Cold Drawing and Hot Stretching Fibrillation Routes for Sustainable Packaging</i>
P10	<b>F. López-Escobar</b>	<i>Synthesis and Reactivity of Strained Triynes for the Preparation of Novel Helicenes</i>
P11	<b>Jesús M. Fernández-García</b>	<i>Bilayer Effect in Molecular Nanographenes</i>
P12	<b>Letellier Kelvine</b>	<i>Structure-Properties relationship in Nano hoops: The Cyclocarbazole family case</i>
17:45 - 19:00		Poster Session / Cocktail
P13	<b>Khaled Hassanein</b>	<i>Metal-Dependent CO<sub>2</sub> Capture Behavior in Heterometallic Ti–MOFs under Humid Flue Gas Conditions</i>
P14	<b>Abhijeet V. Kamble</b>	<i>Design of TCHT-Linked Conjugated Microporous Polymers for High-Performance Hydrogen Evolution</i>
P15	<b>Marina Iglesias-Rabadán</b>	<i>Molecular Design of Tetrahedral Nanographenes with Aggregation-Induced Emission</i>
P16	<b>C. Limeres</b>	<i>Electrochemical Strategies for the Construction of Functional Polycyclic Aromatic Hydrocarbons</i>
P17	<b>Christian Rentero</b>	<i>Piezoelectric Response of Electrospun PLLA Based Fibers Influenced by D Isomer Content and Block Copolymer Structure</i>
P18	<b>Kais Dhbaibi</b>	<i>High brightness in bis(tri-isopropylsilyl)ethynyl-functionalized polycyclic aromatic hydrocarbons: localized representation versus Clar's model</i>
P19	<b>A. Medel</b>	<i>Enhancing the inorganic–organic interface in piezoelectric composites through the use of additives</i>
P20	<b>J. D. Navarro-Núñez</b>	<i>Helical Donor-Acceptor <math>\pi</math>-Conjugated Bilayer Nanographenes: Effects of <math>\pi</math>-Conjugation and Interlayer <math>\pi</math>-<math>\pi</math> Overlap</i>
P21	<b>Jakub Ostapko</b>	<i>Aminal-linked Covalent Organic Frameworks for Light Energy Upconversion</i>
P22	<b>Marc Kielmann Bolten</b>	<i>BChemXtract: Making Chemical Structures Truly Digital</i>
P23	<b>Matthew A. Wiebe</b>	<i>Polymeric Materials Containing Visible-Light-Switchable Azobenzenes</i>
P24	<b>Isabel del Barrio Gómez</b>	<i>Molecular Graphene Nanoribbons with Embedded Seven-Membered Rings</i>

Wednesday 1 <sup>st</sup> July 2026		
Chair	To be announced	
09:00 - 10:00	<b>F. Akif Tezcan</b> <i>Plenary Lecture</i>	<i>Design of Dissipative/Non-Equilibrium Protein-Based Materials</i>
10:00 - 10:15	<b>Carlos Martí-Gastaldo</b> <i>Contributing Lecture</i>	<i>Programming Adaptive Response in Pyrazolate Peptide Frameworks</i>
10:15 - 10:30	<b>Javier Lopez-Cabrelles</b> <i>Contributing Lecture</i>	<i>Emergent Dynamics in 2D Porous Supramolecular Materials</i>
10:30 - 10:45	<b>Niveen M. Khashab</b> <i>Keynote Lecture</i>	<i>Microporous Materials for Smart Membranes and Soft Robotics</i>

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11:00 - 11:45		
Chair	Coffee Break To be announced	
11:45 - 12:15	<b>Zhichang Liu</b> <i>Keynote Lecture</i>	<i>Molecular-Strain Engineering</i>
12:15 - 12:30	<b>Francesco Decataldo</b> <i>Contributing Lecture</i>	<i>Organic Mixed Ionic Electronic Conductors Nanochannels fabrication for Vertical Electrochemical and Ionic Transistors</i>
12:30 - 12:45	<b>L. Irusta</b> <i>Contributing Lecture</i>	<i>Sustainable UV-Curable Non isocyanate /Acrylate Hybrid Coatings (NIPUA) via Transurethanization</i>
12:45 - 13:00	<b>Marta E.G. Mosquera</b> <i>Contributing Lecture</i>	<i>Sustainable catalysts to produce biobased polyesters with advanced properties</i>
13:00 - 13:30	<b>Malika Jeffries-El</b> <i>Keynote Lecture</i>	<i>Design and synthesis of organic electronic materials</i>
13:30 - 15:30		
Chair	Lunch To be announced	
15:30 - 16:00	<b>Ramesh Jasti</b> <i>Keynote Lecture</i>	<i>Curved <math>\pi</math>-Conjugated Architectures for Supramolecular and Functional Materials</i>
16:00 - 16:15	<b>Cassandre Quinton</b> <i>Contributing Lecture</i>	<i>One reaction, six nanohoops: Mechanistic insights into the unexpected structural diversity of nanohoops</i>
16:15 - 16:30	<b>Robert Hein</b> <i>Contributing Lecture</i>	<i>Light-gated redox switching and actuation in polymer hydrogels</i>
16:30 - 16:45	<b>Pia A. Mader</b> <i>Contributing Lecture</i>	<i>Meta[6]cycloparaphenylene as Fluorophore for Material Design</i>
16:45 - 17:00	<b>Anton J. Stasyuk</b> <i>Contributing Lecture</i>	<i>Cyclo[48]carbon-based photoactive [4]catenane architecture</i>
17:00 - 17:30	<b>Birgit Esser</b> <i>Keynote Lecture</i>	<i>Conjugated nanohoops displaying antiaromaticity, chirality or redox activity</i>
<b>20:30</b>	<b>Gala Dinner (Muka, Avenida Zurriola 1, 20002 San Sebastian)</b>	

Thursday 2 <sup>nd</sup> July 2026		
Chair	To be announced	
09:00 - 10:00	<b>Daniel Maspoch</b> <i>Plenary Lecture</i>	<i>Clip-off Chemistry: breaking bonds, building chemistry</i>
10:00 - 10:15	<b>Tania Prieto</b> <i>Contributing Lecture</i>	<i><math>\pi</math>-Extended Imine-Linked Covalent Organic Frameworks via in situ Cyclodehydrogenation</i>
10:15 - 10:30	<b>Jose del Refugio Monroy</b> <i>Contributing Lecture</i>	<i>Emissive Imine-Linked Two-Dimensional Covalent Organic Frameworks via [5]helicene-Pyrene Integration</i>
10:30 - 11:00	<b>Marina A. Petrukhina</b> <i>Keynote Lecture</i>	<i>Reduction-Driven Structural and Electronic Rearrangement of Nanocarbon Scaffolds</i>
11:00 - 11:45		
Chair	Coffee Break To be announced	
11:45 - 12:00	<b>Viksit Kumar</b> <i>Contributing Lecture</i>	<i>Programming (chiro)optical properties of a highly contorted Aza-hept-superhelicene through non-benzenoid ring incorporation</i>
12:00 - 12:15	<b>Akash Shamrao Nandgaye</b> <i>Contributing Lecture</i>	<i>An Expeditious Synthesis of NIR Absorbing Imide-Based Graphene Nanoribbons and Their Photothermal Properties</i>
12:15 - 12:30	<b>Martin Jakubec</b> <i>Contributing Lecture</i>	<i>Phosphorus Atoms Embedded in Polyaromatic Scaffolds: New Synthetic Approaches and Molecular Properties</i>
12:30 - 13:30	<b>Robert J. Gilliard, Jr</b> <i>Plenary Lecture</i>	<i>Uncommon Bonds in Boron Heterocycles: From Stable Radicals to Luminescent Materials</i>
<b>13:30</b>	<b>Prizes and Closing Remarks</b>	

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