www.electrospin2026.org

9th International Conference on Electrospinning

ELECTROSPIN 2026

1-4 SEPTEMBER 2026

CENTRO CULTURALE SAN GAETANO

PADOVA, ITALY

with the patronage of

UNIVERSITÀ DI PADOVA

UNIVERSITÀ DI PADOVA
Dipartimento
di Ingegneria
industriale

MEET AND WORK
PROFESSIONAL CONGRESS ORGANIZER

TUESDAY, SEPTEMBER 1ST, 2026 – PALAZZO BO, ROOM AULA MAGNA	
13:00-14:00	**Registration**
14:00-14.30	**Opening ceremony**
14:30-15:15	**T5-P** **Seeram Ramakrishna** - Towards Intelligent Wearables And Systems
Session Chair: TO BE DEFINED	
15:15-15:40	**T4-I01** **Seongpil An** - Metal-Free Organohalide-Engineered Electrospun PVDF Nanofibers For High-Performance Piezoelectric Energy Harvesting Toward Self-Powered Implantable Devices
15:40-16:05	**T5-I01** **Miso Kim** - Electrospun Piezoelectric Fiber Yarns As A Scalable Platform For AI-Integrated Self-Powered Sensors
16:05-16:30	**Coffee break – Palazzo Bo – Sala colonne**
Session Chair: TO BE DEFINED	
16:30-16:55	**T3-I01** **Jingwei Xie** - Emerging Nanofiber Materials For Biomedical Applications
16:55-17:10	**T3-I02** **Gary Bowlin** - Impact of Electrospinning on the Efficacy of Immunomodulatory Additives
17:15-17:30	**T3-R01** **Diana Ferreira** - Electrospun Biopolymeric Nanofibers as Sustainable Multifunctional Platforms for Biomedical and Environmental Applications
17:30-17:45	**T3-R02** **Robin Schlinkmann** – Process Window Definition And Structural Control In The Electrospinning Of Silk Fibroin for Guided Bone Regeneration Membranes
17:45-18:00	**T3-R03** **Shue Jin** – Macrophage-Derived Exosome-Functionalized Fibrous Scaffolds Regulating The Foreign Body Response And The Coupling Of Angio/Osteoclasto/Osteogenesis
18:00-19:00	**Electrospinning Core Group Meeting | *Palazzo Bo***
19:00-20:00	**Welcome cocktail / networking**
	End of day 1

Topics Legend:
T1: THEORETICAL FOUNDATIONS, MODELING AND SIMULATION OF ELECTROSPINNING
T2: NANOFIBER FABRICATION & PROCESS OPTIMIZATION
T3: BIOMEDICAL AND HEALTHCARE APPLICATIONS
T4: ENERGY, ELECTROCATALYSIS & SUSTAINABLE MATERIALS
T5: FUNCTIONAL NANOFIBERS FOR SENSING, FILTRATION & SMART TEXTILES

TUESDAY, SEPTEMBER 1ST, 2026 – PALAZZO BO, ROOM ARCHIVIO ANTICO	
Session chair: TO BE DEFINED	
15:15-15:40	**T5-I02** **Karen De Clerck** - Adaptive Nanofibers: Engineering Comfort Through Emissivity Control
15:40-16:05	**T5-I03** **Chiara Bertarelli** - TITLE TO BE DEFINED
16:05-16:30	**Coffee break – Palazzo Bo – Sala colonne**
Session chair: TO BE DEFINED	
16:30-16:55	**T1-I01** **Marco Lauricella** - Modeling Electrospun Jet Dynamics: From Electrohydrodynamic Instabilities To Fiber Alignment
16:55-17:10	**T1-R01** **Chi Wang** - Flow Behavior Of The Electrospinning Jet: From Taylor Cone To Straight Jet And Spiraling Jet
17:15-17:30	**T1-R02** **Dharmansh Deshawar** - Electrohydrodynamic Stability Analysis Of Nanoparticle-Laden Electrospinning Jets For Controlled Nanofiber Formation
17:30-17:45	**T1-R03** **Alice Novello** - From Sol-Gel Chemistry To Nanofiber Membranes: A Model-Based Approach To Predicting Electrospinnability
17:45-18:00	**T1-R04** **Johan Rosell-Llompart** - New Regimes And Spontaneous Circular Deposition Patterns In Mid-Field Electrospinning
18:00-19:00	**Electrospinning Core Group Meeting | Palazzo Bo**
19:00-20:00	**Welcome cocktail / networking**
	End of day 1

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TUESDAY, SEPTEMBER 1ST, 2026 – PALAZZO BO, ROOM AULA NIEVO

Session chair: TO BE DEFINED

15:15-15:40	**T2-I01** **Eyal Zussman** - Beyond The Mat: Leveraging Short Polymer Nanofibers For Advanced 3d Tissue Engineering And Injectable Therapeutics
15:40-15:55	**T2-R01** **Daniel Ura** - Direct Electrospinning Of Short Fibers With Controlled Dimensions For Composite Reinforcement
16:05-16:30	**Coffee break – Palazzo Bo – Sala colonne**

Session chair: TO BE DEFINED

16:30-16:45	**T2-R02** **Ludek Hromádko** - TiO_2-V_2O_5 Fibers from Water-Soluble Precursors Prepared by Centrifugal Spinning and Their Catalytic Activity
16:45-17:00	**T2-R03** **Jokin Yeregui-Elosua** - Water- and Heat-Resistant Coaxial Electrospun Nanofibers for Archival DNA Data Storage and Controlled Data Retrieval
17:00-17:15	**T2-R04** **Mijeong Seo** - Enhanced Piezoelectric Response of Electrospun P(VDF-TrFE) Nanofibers via Trifunctional Crosslinking
17:15-17:30	**T2-R05** **Piotr K. Szewczyk** - Decoupling Flame Retardancy from Mechanical Embrittlement in PAN Fibers via Carbon Black Integration
17:30-17:45	**T2-R06** **Vinayak Nirmale** - Beyond Ambient Electrospinning: Mapping the Impact of Collector Temperature Across Cryogenic and High-Temperature Regimes
17:45-18:00	**T2-R07** **Joanna Knapczyk-Korczak** - Electrospun Multifunctional and Tunable Polystyrene Composites with Controlled Water Harvesting and Thermal Properties
18:00-19:00	**Electrospinning Core Group Meeting | Palazzo Bo**
19:00-20:00	**Welcome cocktail / networking**
	End of day 1

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WEDNESDAY, SEPTEMBER 2ND, 2026 – CENTRO CULTURALE SAN GAETANO, ROOM AUDITORIUM	
09:00-09:45	T3-P **Xiumei Mo** – Electrospun Organic And Inorganic Nanofibers For Soft And Hard Tissue Engineering
Session Chair: TO BE DEFINED	
09:45-10:10	T3-I03 **Andrew Steckl** - The "Ins-And-Outs" Of Drug Loaded Nanofibers
10:10-10:25	T3-R04 **Daewoo Han** - Controlled Dual-Phase Nanofiber Drug Delivery Systems Using Emulsion-Based Electrospinning
10:30-10:50	**Coffee break – Centro Culturale San Gaetano – Agorà**
Session Chair: TO BE DEFINED	
10:50-11:15	T3-I04 **Alexander Yarin** - Release Of Hydrophilic And Hydrophobic Ophthalmic Drugs From Electrospun Monolithic And Core–Shell Nanofiber Mats
11:15-11:30	T3-R05 **Jose M. Lagaron** - Development Of Caffeine Multilayer Electrospun Patches For Transdermal Drug Delivery
11:30-11:45	T3-R06 **Ahmad Hivechi** – Fabrication and Characterization of Mussel Foot Protein-Loaded Pullulan/Gellan Gum Nanofibers For Ocular Drug Delivery Applications
11:45-12:00	T3-R07 **Finn Becker** - Influence Of Fiber Diameter On Curcumin Release From Electrospun PCL Nonwovens
12:00-12:15	T3-R08 **Katarzyna Marszalik** — Effect of Voltage Polarity On Surface Properties Of Electrospun PLCL Scaffolds and Cell–Material Interactions
12:15-12:30	T3-R09 **Sarolta Halmoczki** - Multifunctional Electrospun Polysuccinimide Scaffolds Combining ZnO And Magnetite Nanoparticles for Biomedical Applications
12:30-12:45	T3-R10 **Giulia Sala** – Translational Development of Electrospun Self-Assembling Peptide Microchannels for Spinal Cord Injury Repair
12:45-13:00	T3-R39 **Diego Penzo** — Comparison Between DNA-Na-Treated Electrospun Membranes, Hydrogels and Biological Scaffolds for Regenerative Medicine Application
13:00-14:00	**Lunch**

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WEDNESDAY, SEPTEMBER 2ND, 2026 – CENTRO CULTURALE SAN GAETANO, ROOM AUDITORIUM

14:00-15:00	**Poster session - Agorà**
Session Chair: TO BE DEFINED	
15:00-15:25	**T3-I05** **Gareth Williams** - Developing "Phormulations" For Phages
15:25-15:40	**T3-R11** **Veronika Tóth-Pálos** – Preparation and Characterization of Polysuccinimide–Salt Nanofibrous Systems for Wound Healing Applications
15:40-15:55	**T3-R12** **Olmo Frateur** - Humidity-Responsive Tensile Behavior and Shape Memory Nanofibers for Smart Wound Dressing Applications
15:55-16:10	**T3-R13** **Alessandra Vitale** - Multifunctional Electrospun PEO Nanofibrous Membranes Via Photo-Induced Functionalization For Advanced Wound Healing
16:15-16:35	**Coffee break – Centro Culturale San Gaetano – Agorà**
Session Chair: TO BE DEFINED	
16:35-17:00	**T3-I06** **Ewa Kijenska-Gawronska** - Electrospun PVA-Based Patches With Plant Extracts And "Green"- Synthesized Nanoparticles For Wound Care Applications
17:00-17:15	**T3-R14** **Fatma Rabia Karaduman** – Multifunctional Electrospun Methylene Blue@PAN/Cystoseira Barbata Nanofibers for Photodynamically Enhanced Wound Healing
17:15-17:30	**T3-R15** **Moein Zarei** – Electrospun PVA-Based Nanofibrous Patches Loaded with Hawthorn Extract and Dragon's Blood As Potential Wound Dressing
17:30-17:45	**T3-R16** **Andre Souza Plath** - Untapped Biomedical Potential of Green Electrospun Polymers
17:45-18:00	**T3-R17** **Mónika Nanys** - Electrospun Nanofibrous Scaffolds for Potential Wound Healing Applications: Effects of Salt and Humidity
18:00-19:00	**Poster session - Agorà**
	End of day 2

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WEDNESDAY, SEPTEMBER 2ND, 2026 – CENTRO CULTURALE SAN GAETANO, ROOM SPAZIO 35	
Session Chair: TO BE DEFINED	
09:45-10:10	**T2-I02** **Bin Ding** - Flexible/Elastic Ceramic Nanofibrous Materials
10:10-10:25	**T2-R08** **Xiaota Cheng** - Direct Synthesis of Highly Stretchable Ceramic Nanofibrous Aerogels via 3D Reaction Electrospinning
10:30-10:50	**Coffee break – Centro Culturale San Gaetano – Agorà**
Session Chair: TO BE DEFINED	
10:50-11:05	**T2-R09** **Yucheng Tian** - Cross-Dimensional Biomimetic Fibrous Architectures for Filtration, Acoustic Protection, and Thermal Management
11:05-11:20	**T2-R10** **Sai Wang** - Ultralight and Superelastic Polyimide Curly Nanofibrous Aerogels for High-Performance Thermal Insulation Under Extreme Temperature
11:20-11:35	**T2-R11** **Jessica Alexandra Talamo Ruiz** - Solvent-Driven Structure–Property Tailoring of Electrospun PVDF-HFP Nanofibers for Passive Radiative Cooling Applications
11:35-11:50	**T2-R12** **Xenia Moreno** - Photopolymerization of Solvent-Free Oligomers Formulation During Electrospinning Process for Fibrous Membrane Fabrication
11:50-12:05	**T2-R13** **Yi Li** - Hybrid Electrospinning for Structure–Property Tailoring of Nanofibrous Scaffolds
12:05-12:20	**T2-R14** **Chiara Marcoaldi** - High-Performance and Sustainable Functional Paper Coatings via Electrohydrodynamic Processing
12:20-12:35	**T2-R15** **Vinayak Nirmale** - Going Against Gravity: Upward Electrospinning for Finer Fibers with Smaller Pore Size
12:35-12:50	**T2-R16** **Bahareh Azimi** - Hybrid Electrospinning–Electrospraying Fabrication of PVDF-HFP/PLGA Nanoplatforms for Localized Cancer Therapy
13:00-14:00	**Lunch**

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WEDNESDAY, SEPTEMBER 2ND, 2026 – CENTRO CULTURALE SAN GAETANO, ROOM SPAZIO 35	
14:00-15:00	**Poster session - Agorà**
Session Chair: TO BE DEFINED	
15:00-15:15	**T2-R17** **Jiajia Wu** - Fire-Resistant Microtubular Fibrous Sponges by Coaxial Electrospinning for Broadband Acoustic Absorption
15:15-15:30	**T2-R18** **Steve Lange** - In Situ Monitoring of Humidity Effect During Electrospinning and Its Impact on Final Mat Structure
15:30-15:45	**T2-R19** **Paulina Wróbel** - PVA/Sodium Alginate Electrospun Fibers: Effect of Polymer Composition and Crosslinking Strategies on Fibers Morphology
15:45-16:00	**T2-R20** **Jialin Sun** - Quercetin-Loaded Electrospun Films for Active and Biodegradable Food Packaging
16:00-16:15	**T2-R21** **Gamze D. Tetik** - Electrospun Cellulose Acetate and Pectin Based Hybrid Nanofibrous Structures for Food Packaging Applications
16:15-16:35	**Coffee break – Centro Culturale San Gaetano – Agorà**
Session Chair: TO BE DEFINED	
16:35-16:50	**T2-R22** **Katerina Rubáckova** - Structure and Property Control of Nanofibrous Materials for Specific Applications
16:50-17:05	**T2-R23** **Hannah Lacy** - Scalability of Electrospinning: Overcoming Process Challenges for Industrial Productivity
17:05-17:20	**T2-R24** **Shaashwat Saraff** - A Framework for Overcoming the Electrospinning Stability-Quality-Safety Trade-off
17:20-17:35	**T2-R25** **Marek Pokorný** - Key Challenges in Industrial Electrospinning of Hyaluronan Nanofibers: Productivity, Homogeneity and Automation
17:35-17:50	**T2-R26** **Alexander Bittner** - The Surface Structure of Melt Electrowritten Poly(caprolactone) Fibres, Pure and with Conductive Additives
17:50-18:05	**T2-R27** **Zhander Vohr Soreño** - Hierarchical Buckled Electrospun Architectures with Tissue-Like Mechanics for Fibroblast Growth
18:00-19:00	**Poster session - Agorà**
	End of day 2

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WEDNESDAY, SEPTEMBER 2ND, 2026 – CENTRO CULTURALE SAN GAETANO, ROOM BALLATOIO	
Session Chair: TO BE DEFINED	
09:45-10:10	**T4-I02** **Chiara Gualandi** - When Electrospinning Meets Art: Smart And Sustainable Electrospun Materials For Cultural Heritage Conservation
10:10-10:25	**T4-R01** **Paraskevas Kyriacou** - Sound Insulation By Means Of Bio-Based Multilayer Hybrid Composites Based On Electrospun Fibers And Natural Sponges
10:30-10:50	**Coffee break – Centro Culturale San Gaetano – Agorà**
Session Chair: TO BE DEFINED	
10:50-11:15	**T4-I03** **Virginia Venezia** - Electrospinning The Value Out Of Biowaste: Multifunctional Materials For Metal Recovery And Sustainable Food Packaging
11:15-11:30	**T4-R02** **Giuseppina Luciani** - From Biowaste To Biomimetic Function: Electrospun Nanostructured Constructs For Sustainable Agriculture
11:30-11:45	**T4-R03** **Fabrizio De Cesare** - Encapsulation Of Organic Basil (Ocimum Basilicum) Essential Oils For Agri-Food Applications
11:45-12:00	**T4-R04** **Johan Rosell Llompart** - Organosolv Lignin-Based Nanofibres With Minimized Binder Polymer Content
12:00-12:15	**T4-R05** **Hojae Kim** - Bio-Derived Photothermal Cellulose Acetate Nanofiber Mats Containing Ethanol-Soluble Lignin Fractions
12:15-12:30	**T4-R06** **Simone Serrecchia** - Comparative Study Of Three Biomass-Derived Organosolv Lignins In Electrospun Systems For Tunable Release Applications
12:30-12:45	**T4-R07** **Nisrine Qiblawi** - Electrospinning And Photo-Induced Crosslinking Of Polyvinyl Alcohol/G-Cyclodextrin Inclusion Complexes For Functional Nanofibrous Membranes
12:45-13:00	**T4-R08** **Katarzyna Kolodzinska** - Protein-Based Fibers Functionalized With Hydrophobic Dyes By The Combination Of Mechanochemistry And Electrospinning
13:00-14:00	**Lunch**

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WEDNESDAY, SEPTEMBER 2ND, 2026 – CENTRO CULTURALE SAN GAETANO, ROOM BALLATOIO	
14:00-15:00	**Poster session - Agorà**
Session Chair: TO BE DEFINED	
15:00-15:25	**T5-I03** **Dario Pisignano** - Intelligent Electrospun Nanofibers For Controlled Photoswitching And Energy Harvesting
15:25-15:40	**T4-R09** **Karel Soukup** - Morphology-Tailored Electrospun Polybenzimidazole Supports For Platinum Nanocatalysts In Total Catalytic Oxidation
15:40-15:55	**T4-R10** **Luca Gianoglio** - From Biopolymers To Catalysts: Electrospinning And Pyrolysis For The In-Situ Formation Of Gold Nanoparticles On Sustainable Carbon Fibers From Maltodextrin
15:55-16:10	**T4-R11** **Shamsa Kanwal** - Catalytic Performance Of MgO Electrospun Nanofibers In Liquid Phase Guerbet Coupling Of Butanol
16:15-16:35	**Coffee break – Centro Culturale San Gaetano – Agorà**
Session Chair: TO BE DEFINED	
16:35-17:00	**T5-I04** **Andrea Camposeo** - Three-Dimensional Architectures For Advanced Fiber Network Lasers
17:00-17:15	**T4-R12** **Alina Szukalska** - Multicolor And White Random Lasing In Photonic Soft-Matter Systems
17:15-17:30	**T4-R13** **Lech Sznitko** - Luminescent Fibrous Mats For Controlled Color Conversion Of LED Light
17:30-17:45	**T4-R14** **Adam Szukalski** - Light-Controlled Advanced Functional Materials Across Dimensions: Electrospun Nanofibers And 3D Printed Photonic Components
17:45-18:00	**T4-R15** **Minhyun Kim** - Photo-Activity Engineering Of Electrospun Indium Oxide Nanofibers For Visible-Light-Activated Gas Sensing
18:00-19:00	**Poster session - Agorà**
	End of day 2

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THURSDAY, SEPTEMBER 3RD, 2026 – CENTRO CULTURALE SAN GAETANO, ROOM AUDITORIUM

Session Chair: TO BE DEFINED

09:00-09:45	**T4-P** **Peter Pintauro** - Electrospinning for Energy Applications
09:45-10:10	**T4-I04** **Ki Ro Yoon** - TITLE TO BE DEFINED
10:10-10:25	**T4-R16** **Kitty Nijmeijer** - Electrospinning: A Window Of Opportunities For Membranes
10:30-10:50	**Coffee break – Centro Culturale San Gaetano – Agorà**

Session Chair: TO BE DEFINED

10:50-11:15	**T5-I05** **Urszula Stachewicz** - Electrospun Electrically And Thermally Conductive Fibers For Energy Harvesting And Storage
11:15-11:30	**T4-R17** **Yoonjae Cho** - Metal-Organic Framework Derived Hierarchical Co Decorated Carbon Nanofiber Interlayer For High-Performance Lithium–Sulfur Batteries
11:30-11:45	**T4-R18** **Fatemeh Mohtaram** - Electrospun Cellulose-Derived Carbon Nanofiber Mats As Free-Standing Anodes For Sodium-Ion Batteries
11:45-12:00	**T4-R19** **Gerard Martí** - Metal Doped Electrospun Carbon Nanofibers As Cathodes For Scalable Hydrogen Production (Endurion)
12:00-12:15	**T4-R20** **Andreas Bogen Kristiansen** - $Li_7La_3Zr_2O_{12}$ Nanofibers For Solid-State Electrolytes: Optimizing Electrospinning Solutions To Achieve Smooth, Size-Controlled Fibers
12:15-12:30	**T4-R21** **Samantha Southern** - Sustainable Carbon Fibres For Zero-Excess Lithium Metal Batteries
12:30-12:45	**T4-R22** **Bhavini Patel** - Development & Optimisation Of Lignin-Derived Carbon Fibres For High-Performance Structural Batteries
12:45-13:00	**T4-R23** **Catarina Paschoalini Lehman** - Electrospinning Of Short-Side Chain Perfluorosulfonic Acid Ionomers: Tuning Nanofiber Diameter Through Formulation Parameters
13:00-14:00	**Lunch | End of scientific sessions**
Afternoon/ Evening	**Venice visit + Gala dinner + Poster prize + Next venue announcement**
	End of day 3

Topics Legend:
T1: THEORETICAL FOUNDATIONS, MODELING AND SIMULATION OF ELECTROSPINNING, T2: NANOFIBER FABRICATION & PROCESS OPTIMIZATION
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THURSDAY, SEPTEMBER 3RD, 2026 – CENTRO CULTURALE SAN GAETANO, ROOM SPAZIO 35	
Session Chair: TO BE DEFINED	
09:50-10:15	**T5-I06** **Theodora Krasia-Christoforou** - Engineering Functional Electrospun Fibers For A Cleaner Environment
10:15-10:30	**T5-R01** **Rossella Castagna** - Biohybrid Electrospun Nanofibers For Filtration, Capture, And Sensing
10:30-10:50	**Coffee break – Centro Culturale San Gaetano – Agorà**
Session Chair: TO BE DEFINED	
10:50-11:15	**T5-I07** **Martina Roso** - From Membrane Reactor Design to Environmental Remediation: Unlocking the Potential of Electrospun Materials
11:15-11:40	**T5-I08** **Yen Truong** - Electrospun Functional Materials For Advanced Biological Applications: From eDNA Capture To Biomineralization And Carotenoid Recovery
11:40-11:55	**T5-R02** **Clément Brendlé** - PEI/PES Electrospun Membranes For PFAS Capture
11:55-12:10	**T5-R04** **Claudio Cecone** - Preparation Of Electrospun Polymeric Membranes From Plant Proteins And Maltodextrins For The Treatment Of Gadolinium-Contaminated Wastewater
12:10-12:25	**T4-R24** **Fabien Salaün** - Electrospun MOF Membranes For The Removal Of Dyes From Bleaching Wastewater In A Chemical Textile Recycling Process
12:25-12:40	**T4-R25** **Sofie Verschraegen** - Energy-Efficient Alcohol Recovery Via Hydrophobic Organosilica Nanofiber Membranes And Salting-Out Demixing
12:40-12:55	**T4-R26** **Yana Maudens** - Modular Design Of Biomimetic Electrospun Keratin Composites For Tunable Gaseous Sorption Inspired By Reptile Eggshells
13:00-14:00	**Lunch | End of scientific sessions**
Afternoon/ Evening	**Venice visit + Gala dinner + poster prize + next venue announcement**
	End of day 3

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THURSDAY, SEPTEMBER 3RD, 2026 – CENTRO CULTURALE SAN GAETANO, ROOM BALLATOIO

Session Chair: TO BE DEFINED	
09:50-10:15	**T3-I07** **Xiaoran Li** — Engineering Nanofibrous Biomaterials with Enhanced Bio-Interface Properties
10:15-10:30	**T3-R28** **Serena Danti** — Electrospun Piezoelectric Fibers To Advance Next-Generation Self-Powered Cochlear Implants
10:30-10:50	**Coffee break – Centro Culturale San Gaetano – Agorà**
Session Chair: TO BE DEFINED	
10:50-11:10	**T3-R29** **Andrew Steckl** - Controlled Release Of Oxygen From Core-Sheath Fiber Membranes For Sustained Viability of Pancreatic Islet Cells
11:10-11:25	**T3-R30** **Natalia Mazancova** — Biobased Composites for Dental Applications: The First Steps Towards in-Situ Guided Tissue Regeneration Membrane Manufacturing
11:25-11:40	**T3-R31** **Finn Becker** — Nanofiber-Reinforced GelMA-PCL Composite Scaffolds for Cartilage Regeneration
11:40-11:55	**T3-R32** **Lucas Schynkel** — Cell Guiding Multicomponent Nanoyarn Tendon Scaffolds with Tunable Morphology and Flexibility
11:55-12:10	**T3-R33** **Kristof Molnar** — Synthesis and Swelling Properties of Hydrogel Fiber Membranes
12:10-12:25	**T3-R34** **Nagalekshmi Uma Thanu Krishnan Neela** — Comparative Analysis of Electrospun PCL, PLLA, and PLCL Scaffolds: Surface Properties and Morphological Characteristics
12:25-12:40	**T3-R35** **Georgia Papaparaskeva** — Multicomponent Electrospun PVP Nanocomposite Fibrous Membranes Containing Silver and Palladium Nanoparticles
12:40-12:55	**T3-R36** **Sena Nur Köksal** — Bioactive Zwitterionic Silica–Quercetin Electrospun Nanofibers For Multifunctional Biomedical Applications
13:00-14:00	**Lunch | End of scientific sessions**
Afternoon/ Evening	**Venice visit + Gala dinner + poster prize + next venue announcement**
	End of day 3

Topics Legend:
T1: THEORETICAL FOUNDATIONS, MODELING AND SIMULATION OF ELECTROSPINNING
T2: NANOFIBER FABRICATION & PROCESS OPTIMIZATION
T3: BIOMEDICAL AND HEALTHCARE APPLICATIONS
T4: ENERGY, ELECTROCATALYSIS & SUSTAINABLE MATERIALS
T5: FUNCTIONAL NANOFIBERS FOR SENSING, FILTRATION & SMART TEXTILES

FRIDAY, SEPTEMBER 4TH, 2026 – CENTRO CULTURALE SAN GAETANO, ROOM AUDITORIUM

09:30-10:15	**T5-P** **Il-doo Kim** - Nanofibers In Next-Generation Chemical Sensing: Perspectives And Opportunities
Session Chair: TO BE DEFINED	
10:15-10:40	**T5-I08** **Antonella Macagnano** - From Molecule To Signal: Engineering Electrospun MIP Nanofibres For Tuneable Ammonia Sensing
10:40-11:00	**Coffee break – Centro Culturale San Gaetano – Agorà**
Session Chair: TO BE DEFINED	
11:00-11:15	**T5-R05** **Marco Smerieri** - Sustainable Electrospun Electroactive Nonwovens For Advanced Wearable Sensing Applications
11:15-11:30	**T5-R05** **Harry Morse** - Flow And Filtration In Porous Membranes: Electrospinning Applications In Enhanced Lateral Flow Testing
11:30-11:45	**T5-R03** **Thi Nhung Vu** - Sustainable Electrospinning And Thiol-Ene Photofunctionalization Of Nanofibrous Membranes For Advanced Water Remediation
11:45-12:00	**T5-R06** **Thomas Thomberg** - Antiviral Activity Of Nanofibrous Polymers Modified With Silver, Zinc, And Copper Nanoclusters
12:00-12:15	**T5-R07** **Marcin Piwowarczyk** - Phase Behaviour And Dynamic Properties Of Liquid-Crystalline Mixtures Confined Within Electrospun Poly(Methyl Methacrylate) Composite Fibers
12:15-12:30	**T5-R08** **Sunija Sukumaran** - From Electrospun Mats To Yarns: Enhanced Triboelectric Performance Of PVDF Composite Fibers For Energy Harvesting In Smart Textile Applications
12:30-12:45	**T5-R09** **Michal Kopacz** - Hierarchically Coated PVDf-CNT Fiber Mats For Integrated Sensing And Human-Machine Interaction
12:45-12:55	**Closing ceremony - Auditorium**
	End of conference

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FRIDAY, SEPTEMBER 4TH, 2026 – CENTRO CULTURALE SAN GAETANO, ROOM SPAZIO 35

Session Chair: TO BE DEFINED	
10:15-10:40	**T3-I08** **Muhammad Shafiq** — Innovative Biomaterial Scaffolds for Cardiovascular Regeneration and Repair
10:40-11:00	**Coffee break – Centro Culturale San Gaetano – Agorà**
Session Chair: TO BE DEFINED	
11:00-11:25	**T3-I09** **Marc Simonet** - TITLE TO BE DEFINED
11:25-11.50	**T3-I10** **Filippo Pierini** - Electrospun nanofiber-based conductive hydrogel bioplatforms for brain-machine interfaces
11:50-12:05	**T3-R37** **Elisabet Ortega** — Human Autologous Tissue-Engineered Vascular Graft Fabricated Using Hybrid 3D Printing and Electrospinning Techniques
12:05-12:20	**T3-R38** **Enes Okatar** — Clinical Translation of Electrospun Vascular Grafts: From Laboratory Technology To Scalable Regenerative Implants
12:20-12:35	**T3-R40** **Akos Juhasz** — From Electrospun Microchannels to Translational Biomimetic Scaffolds: Process Optimization and Characterization Of Self-Assembling Peptide-based Constructs
12:45-12:55	**Closing ceremony - Auditorium**
	End of conference

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FRIDAY, SEPTEMBER 4TH, 2026 – CENTRO CULTURALE SAN GAETANO, ROOM BALLATOIO

Session Chair: TO BE DEFINED	
10:15-10:40	**T5-I09** **Luis Kyratzis** - Electrospun Nanofiber Research, Biomaterial, Environmental And Energy Applications
10:40-11:00	**Coffee break – Centro Culturale San Gaetano – Agorà**
Session Chair: TO BE DEFINED	
11:00-11:25	**T4-R25** **Luana Persano** - Biocompatible Fibrous Mats For Energy Harvesting And Peripheral Nerve Repair
11:25-11:40	**T4-R27** **Milosz Piechocki** - Green Solvent Assisted Fractionation And Electrospinning Of Kraft Lignin And Coaxial Fiber Design Towards Flexible Gas Diffusion Electrodes For Zinc-Air Batteries
11:40-11:55	**T4-R28** **Ichuan (ally) Hsia** - Electrospun Free-Standing Lignin-Based Carbon Fibre Cathodes For Lithium–Sulfur Batteries
11:55-12:10	**T4-R29** **Kshitij Mahesh Kakad** - Reusable Lignin-Derived Free-Standing Carbon Nanofiber Electrodes For Sustainable Lithium–Sulfur Batteries
12:10-12:25	**T4-R30** **Maciej Dolega** - Electrospun Polymer Fiber Yarns For Fog Water Collection
12:45-12:55	**Closing ceremony - Auditorium**
	End of conference

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