Poster Session Program Wednesday 24 June 2026 h 18-20

Session code	Thematic area
S1	bioelectrocatalysis for green synthesis and bioremediation
S2	smart bioelectrochemical interfaces for biosensing and diagnostics
S3	microbial electropower: from electron shuttles to electrogenic networks
S4	modeling and mechanisms in bioelectrochemistry
S5	micro/nanoarchitectures for bioelectrochemical innovation
S6	bioelectrochemical energy: from photosynthesis to power
S7	electroactive biointerfaces: stimulating cells, tissues and networks

Thematic code	Poster code	Presenter	Title
S1	S1P10	Hermanto Celine Imanuel	NAD(H) Regeneration-Driven Enzymatic Cascade for One-Pot Direct Electron Transfer Bioelectrocatalysis
S1	S1P11	Machado Nuno	Harnessing Nitratidesulfovibrio vulgaris strains for Sustainable Electrosynthesis of Hydrogen and Formate.
S1	S1P12	Rizzo Francesca	Electrochemical characterizations of the W-dependent formate dehydrogenase FdhAB from Desulfovibrio vulgaris Hildenborough
S1	S1P13	Song Yixuan	Optimizing Light and Electrode-Driven Acetoin Reduction in a Newly Bioengineered Shewanella oneidensis Strain
S1	S1P14	Veerubhotla Ramya	Electrode-driven Diazotrophy by Rhizosphere Microbiomes
S2	S2P18	Banaś Angelika	Microporous Cu-BTC/ERGO Hybrid Electrodes for Enhanced Electron Transfer and Non-Enzymatic Detection of Hydrogen Peroxide
S2	S2P19	Cimino Alessandra	Development of Amperometric Biosensors as Analytical Tools for Glucose Detection in Industrial Settings
S2	S2P20	Guillén Palomares Raquel	Aptamers-Based Electrochemical Sensors Towards BCMA: Computational Optimization and Electrochemical Characterization
S2	S2P21	Hewson Alice	Utilising emerging triazabutadiene molecules and Fourier transformed alternating current voltammetry in electrochemical biosensing
S2	S2P22	Singh Aman	Nanocarriers Interaction with Multi-Component Lipid Membranes
S2	S2P23	Jeleniewska Zofia	Multidimensional Electrochemical Fingerprinting of Vancomycin using an Aptamer-Based Sensor via Dynamic Electrochemical Impedance Spectroscopy
S2	S2P24	Leotta Giorgia	Electrochemical Sensor for White Blood Cell Quantification toward a Point-of-Care Device for Orthopedic Applications
S2	S2P25	Manikandan Vanitha Keerthi Booshan	Approaches to anchoring and crosslinking scaffolds for enzyme and mediator immobilization on electrodes

S2	S2P26	Marchianò Verdiana	Mussel-Inspired Edible Hydrogels: A New Frontier in Gastrointestinal Glucose Sensing
S2	S2P27	Mongelli Valentina	Advancing Single-Molecule-with-a-Large-Transistor (SiMoT) Platform Stability with Multivariate PCA-Driven Quality Control
S2	S2P28	Morciano Valentina	Insights into bio-modified interfaces for single-molecule bioelectronic sensors
S2	S2P29	Nicola Bogdan	Development of Hydrogenase-Based Biosensor for Hydrogen
S2	S2P30	Pifczyk Anna	Impact of the Lipid Membrane on the Conformational Stability of Lysozyme and α-Synuclein
S2	S2P31	Ruiz-Valdepeñas Montiel Víctor	Bioelectroanalytical Strategies for Decoding Non-Canonical DNA G-Quadruplex: Towards Accessible and Precision Cancer Diagnosis
S2	S2P32	Spagnolo Sandro	Electrochemical characterization of antifouling gold interfaces for aptamer-based detection of myelin basic protein
S2	S2P33	Chogolou Adélèyè	Towards a Wearable Biocompatible Sensor for Dialysis Monitoring
S2	S2P34	Chogolou Adélèyè	Design and implementation of an innovative wearable electrochemical device for real time and simultaneous multi-analyte sweat monitoring
S2	S2P35	Tricase Angelo	Boolean Logic Gate Network Biosensor for Wine Adulteration Detection
S2	S2P36	Tvorynska Sofiia	Unlocking the potential of an immobilized enzyme reactor-based flow-injection bioassay method with electrochemical detection: A case of pyruvate determination
S3	S3P6	Sharma Aarti	Influence of Hypersaline Conditions and Applied Potential on Methane and Acetate Production in Microbial Electrosynthesis
S3	S3P7	Rinki	Biomass-Derived Doped Carbon Electrocatalyst from Arjuna Bark Waste for Application in Single-Chamber Microbial Fuel Cells
S3	S3P8	Santoro Carlo	Comparable performance in microbial fuel cells with wastewater-derived microbial consortia from different locations
S3	S3P9	Soavi Francesca	An Electrochemical Impedance Spectroscopy Study of Electroactive Bacterial Biofilms
S3	S3P10	Wu Meng	Design of a Three-Strain Synergistic System to Enhance Power Generation in Microbial Fuel Cells
S3	S3P11	Zonno Claudia	Polydopamine-Based Biointerfaces for Enhanced Electron Transfer with Photosynthetic Bacteria
S4	S4P6	Bätcher Moritz	Surface Immobilization and Electrochemical Probing of Flavin Cofactor in Cryptochrome 4
S4	S4P7	Reid Ella	Electrochemical Interrogation of Nitroimidazole Resistance Gene A (NimA) from Massilimicrobiota Timonensis
S4	S4P8	Catacchio Michele	Electric Field Cycling Enhances Stability and Reduces Polarization Dispersion in Physisorbed Antibody Biolayers

S4	S4P9	Sales Mateo Montserrat	Role of the Copper Ion and Protons in the Activity of the Redox Protein Plastocyanin Studied by Voltammetry and Impedance Spectroscopy
S4	S4P10	Suprun Elena	Electrochemistry of Histidine and Histidine-Containing Peptides
S5	S5P5	Paolini Davide	3D-Printed integrated devices for bioelectroanalytical diagnostics and sensing
S5	S5P6	Colozza Noemi	Highly stable electrochemical sensors based on green-synthesised, water-soluble phthalocyanines for sustainable, low-cost, in situ monitoring of industrial wastewater pollutants
S5	S5P7	Saad Muhammad	Carbon Nanotube Buckypaper–Based Hollow-Cavity FAD-GDH/PLQ Bioanodes for Enzymatic Fuel Cells: Composition Tuning and Optimization
S5	S5P8	Tertis Mihaela	Liquid Biopsy-Based Electrochemical Aptasensor for Sensitive Detection of Lipocalin-2 in Breast Cancer
S5	S5P9	Ustunkaya Beril	Wearable Nanoporous Gold-Based Sensor for Potassium Monitoring in Plants
S6	S6P5	Lisdat Fred	Highly transparent 3D electrodes for photobiovoltaic application based on photosystem I
S6	S6P6	Mattia Umberto	Advanced Biohybrid Architectures Based on Purple Bacteria-Nanomaterials Integration for Sustainable Energy Conversion
S7	S7P2	Smołka Szymon	Active Neurotransmitter Delivery: GABA-loaded PEDOT Coatings for the Modulation of Neurons and Glial Cells
S7	S7P3	Nunzio Giorgio G. Carducci	Comparison of Biosynthesized and Ex-Situ Synthesized Gold Nanoparticles Effects on Purple Bacteria Biophotoelectrodes