



**UNIVERSITÀ
DI PARMA**



SERVIZIO SANITARIO REGIONALE – EMILIA ROMAGNA

Azienda Ospedaliero – Universitaria di Parma

Azienda Unità Sanitaria Locale di Parma

Azienda Unità Sanitaria Locale di Piacenza



Castello di Paderna – 3 Ottobre 2025

Dipartimento di Medicina e Chirurgia

In collaborazione con l'Azienda Ospedaliero-Universitaria di Parma



09.00. **MESSAGGIO DI BENVENUTO**

Paolo Martelli, Magnifico Rettore dell'Università di Parma

09.15. **SALUTI DELLE AUTORITÀ e INTRODUZIONE DEI LAVORI**

Sandra Rossi, Direttrice Sanitaria dell'Azienda Ospedaliero-Universitaria di Parma

Pilade Cortellazzi, Direttore f.f. - UOC Innovazione, Ricerca e Qualità - AUSL di Piacenza

Stefano Bettati, Direttore del Dipartimento di Medicina e Chirurgia dell'Università di Parma

Michele Miragoli, presidente della Commissione Ricerca del Dipartimento di Medicina e Chirurgia

ORAL SESSION

09:30-10:30

SESSION 1: Neuroscience and Disorders of the Nervous System

Chair: Prof. Giuseppe Luppino (Laboratory of Neuroanatomy, DIMEC)

9.30 Ebrahim Ismaiel (Laboratory of Neuroethology of Non-Human Primates, DIMEC). **Body-centered Coding of Head Direction During Natural Actions in Primates.**

9.45 Federica Groppi (Primates Connectome Lab, DIMEC). **Characterizing functional and structural connectivity supporting interference control and visuospatial attention: a multimodal approach.**

10.00 Francesca Ferroni (Laboratory of General Psychology and Cognitive Psychophysiology, DIMEC). **From then to now: five years of progress in understanding peripersonal space plasticity.**

10.15 Mariateresa Bellantoni (Laboratory of Behavioral Biology – EthoLab, DIMEC). **Maternal Exposure to Endocrine Disruptors and Infant Development: Findings from the Life MILCH Cohort Study.**

10.30-11.00 PLENARY LECTURE

My journey into hepatitis B virus (HBV) research

Prof. Luca G. Guidotti

Vita-Salute San Raffaele University Medical School, Milano

Deputy Scientific Director, Ospedale San Raffaele (OSR)

Chair: Prof. Gabriele Missale

11.00-11.30 Coffee break

ORAL SESSION

11:30-12:30

SESSION 2: Immunity, inflammation, and intervention

Chair: Prof.ssa Elena Masselli (Laboratory of Human Anatomy and Applied Biology of the Hematopoietic System, DIMEC)

11:30. Benedetta Farina (Laboratory of Viral Immunopathology, DIMEC). **The CD8 T cell transcriptional profile in chronic hepatitis B is shaped by antigen-specificity and is only partially corrected by HBsAg loss.**

11:45 Rebecca Navacchi (Unit of Cardiology, AOU Parma). **The role of chronic psycho-social stress and its link with inflammation in atherosclerotic cardiovascular disease destabilization: the STRESS MI ACTION STUDY.**

12:00 Claudia Greco (Laboratory of Pharmacology of lipids, DIMEC). **Relationship Between Cholesterol Accumulation and Cellular Senescence in an In Vitro Model of Human Macrophages.**

12:15 Marco Masetti (Unit of Paediatrics, AOU Parma). **Antibiotic treatment of pediatric infections in primary health care setting: evaluation and comparison of 80 national treatment guidelines with the WHO AWaRe book recommendations.**

12:30 – 13:30 Lunch break

13:30 – 15:30 **POSTER VIEW** (all sessions)

ORAL SESSION

15:30-18:15

SESSION 3: Precision medicine and targeted therapy

Chair: Prof. Umberto Maggiore (Unit of Nephrology, AOU Parma)

15:30 Silvia Berrettoni (TecMed Lab, DIMEC). **Silicon Carbide Nanowires Modulate Atrial Cardiomyocyte Electrophysiology: A Promising Nanotech Therapy for Atrial Fibrillation.**

15:45 Vincenzo Raimondi (Laboratory of Hematology, DIMEC). **Use of non-human viruses as alternative tool for oncolytic virotherapy and for improving immunotherapy in multiple myeloma.**

16.00 Biagio Matera (Laboratory of Tissue Engineering and Biomaterials, DIMEC). **Development of innovative bioinspired scaffolds for craniofacial regeneration.**

16.15 Francesca Bagnaresi (Laboratory of Endocrinology, DIMEC). **Innovative in vivo and ex vivo approaches to assess human β -cell mass and function: focus on iPSC-derived beta-cell organoid.**

16.30-17.15 Coffee break

SESSION 4: Diagnostic and Surgery

Chair: Prof.ssa Elena Giovanna Bignami (Unit of Anaesthesiology, AOU Parma)

17.15. Anna Gagliardi (Unit of Nuclear Medicine, AOU Parma). **Targeting SSTR2 with 68Ga-DOTATATE PET/CT to localize primary/metastatic paraganglioma. A single centre experience.**

17.30 Matteo Guarnieri (Unit of Anaesthesiology, AOU Parma) **Automating the Gruen Zone Detection with a Convolutional Deep Neural Network Model.**

17.45 Carmen Guzman Garcia (Department of Engineering and Architecture). **ECG-Based Characterization of Heart Diseases by leveraging AI techniques - Arrhythmia Detection: Differentiating Between Interferences and True Arrhythmias Using Signal Analysis. Preliminary results.**

18.00 Corrado Ciatti (Unit of Orthopaedics, AUSL Piacenza). **Is Distal Locking Necessary In Stable Intertrochanteric Fractures? A Finite Element Analysis.**

18:15– 19:30 POSTER VIEW (all sessions)

19:30. Apericena, Awards and Concert

POSTER SESSION: Neuroscience and Disorders of the Nervous System

1. **Basile Claudio** (Laboratory of Neurophysiology and Behaviour of Non-Human Primates, DIMEC) Anatomofunctional organization of sylvian fissure territories: From sensory integration to behavioral control.
2. **Errante Antonino** (Neuroimaging Lab, DIMEC) Reorganization of Structural and Functional Brain Networks in Children with Early Acquired Brain Lesions.
3. **Guidotti Sara** (Laboratories of Clinical Psychology, DIMEC) Psychophysiology of Depressive Rumination in Suicidal Ideation: A Moderated-Mediation Model.
4. **Mancuso Antonella** (CNR, DIMEC) From seeing to acting: how visual stimuli modulate human sensorimotor networks.
5. **Piccolo Benedetta** (Unit of Child and Adolescent Neuropsychiatry, AOU Parma) Autism spectrum disorder: analysis of neuroimaging, electroencephalography and genetic data in a pediatric cohort.
6. **Presta Valentina** (Laboratory of Human Movement and Posture and of Exercise and Sport Sciences, DIMEC) Exploring the effect of high-altitude physical activity on health.
7. **Rizzo Marianna** (Laboratory of Neuroanatomy, DIMEC) Qualitative and quantitative analysis of the callosal projections to prefrontal, frontal motor, and parietal areas in the macaque monkey.
8. **Salvi Marco** (Unit of Geriatrics, AOU Parma) The role of sleep disorders in the motoric and cognitive trajectories of older physically frail sarcopenic and healthy active subjects: SOMNUS-DARE study.

POSTER SESSION: Immunity, inflammation and intervention

1. **Accogli Rocco** (Unit of Pneumology, AOU Parma) Effect of Fixed BDP/FF/G Therapy on Cough Efficacy in Moderate-Severe COPD.
2. **Bisignano Francesca Maria** (Laboratory of Microbiology and Virology, DIMEC) Investigating L18R peptide antibiofilm activity and microbial interactions in dual-species biofilms of *Candida albicans* and *Enterococcus faecalis*.
3. **Cannalire Giuseppe** (Unit of Paediatrics and Neonatology, AULS, Piacenza) Docosahexaenoic acid could be protective against Hashimoto's thyroiditis in children with Down syndrome: a cross-sectional study.
4. **Capra Maria Elena** (Unit of Paediatrics and Neonatology, AULS, Piacenza) Probiotics During Antibiotic Therapy in Outpatients setting: A Cross-Sectional Survey of Italian Primary Care Pediatricians.
5. **Castellucchio Mattia** (Laboratory of General Pathology, DIMEC) Nanoplastics interfere with osteogenic differentiation of human mesenchymal stromal cells
6. **Colangelo Maria Teresa** (Laboratory of Histology and Embryology, DIMEC) Polynucleotide HPT™-Based Hydrogels Exhibit Scavenging Activity Against Reactive Oxygen Species.
7. **Macchi Daniele** (Unit of Gastroenterology and Endoscopy, AOU Parma) Anti-tumor interaction of circulating monocytes and adjuvant therapy in patients with stage III Colorectal Cancer
8. **Pezzato Marta** (Laboratory of Hygiene and Aerobiology, DIMEC) The Index of Microbial Air contamination in dental clinics: A review and meta-analysis.
9. **Zucchelli Alessandra** (Laboratory of Hygiene and Public Health, DIMEC) Influenza vaccine effectiveness in ambulatory patients of Emilia-Romagna during the last two seasons.

POSTER SESSION: Precision medicine and targeted therapy

1. **Cannizzaro Ilenia Rita** (Laboratory of Medical Genetics, DIMEC) Integrated Multi-Omic Diagnostic Platform for Rare Genetic and Neurodevelopmental Disorders: Combining Genomics, Transcriptomics, and Epigenomics.
2. **Cenci Gloria** (CNR-IMEM, Department of Chemistry, Life Sciences and Environmental Sustainability) Functionalized nanomaterial based on tungsten disulfide WS₂ and gold nanoparticles activated by radiation for cancer therapy.
3. **D'Angelo Jole Maria Lucia** (Laboratory of Biophysics and Medical Physics, DIMEC) De novo cysteine biosynthesis in *Pseudomonas aeruginosa*: characterisation of the two main cysteine synthase isoforms.
4. **Finato Laura** (Laboratory of Cell Culture, DIMEC) Role of the tumour lung microenvironment in shaping endothelial cells phenotypic and functional properties.
5. **Galli Carlo** (Laboratory of Histology and Embryology, DIMEC) In-Vitro and in-Silico Analysis of the Effects of Regeneration on Gingival Fibroblast Growth Dynamics.
6. **Pellegrino Benedetta** (Unit of Medical Oncology and Breast cancer, AOU Parma) Integration of Omics Analyses and Environmental Exposure to Uncover causes Etiological Factors of Early-Onset Breast and Lung Cancer.
7. **Pili Roberto** (Laboratory of Systems Medicine, DIMEC) Intermediates of cholesterol biosynthesis in tumors: Data mining and machine learning to identify their clinical relevance.
8. **Pozzi Giulia** (Laboratory of Human Anatomy and Applied Biology of the Haematopoietic System, DIMEC) Dissecting the role of CCR2 in Myelofibrosis: Translational Evidence from Murine Models to Human Cells.
9. **Quartulli Francesca Pia** (Re.Mo.BIO.S., DIMEC) The cytoskeletal filament desmin and myo-inositol: a bioinformatic and translational study for a new perspective in bone regeneration.
10. **Shuilhai Anna-Mariia** (Clinical and Neonatal Research lab, DIMEC) MiRNAs for the diagnosis of Growth Hormone Deficiency and predicting response to GH therapy: preliminary results.
11. **Terenziani Anna** (Laboratory of Biogerontology and Geroscience, DIMEC) Effects of Amino Acid Mixture on mesenchymal stromal cells' senescence.
12. **Turrini Elena** (Unit of Pediatrics and Oncohematology, AOU Parma) Paroxysmal Nocturnal Hemoglobinuria in Italian pediatric patients: preliminary data from a survey of the Marrow Failure Syndrome Group of AIEOP (Associazione Italiana Emato-Oncologia Pediatrica).

POSTER SESSION: Diagnostic and Surgery

1. **Battaglia Salvatore** (Unit of Orthopaedics, AOU Parma) Menstrual Cycle Alterations and Overuse Stress Fractures in Professional Women's Soccer Players: A Preliminary Observational Study.
2. **Beretta Maurizio** (Master in Healthcare Group, DIMEC) Body temperature assessment in prehospital emergency care: a scoping review.
3. **Carino Davide** (Unit of Cardiac Surgery, AOU Parma) Air pollution and acute aortic dissections: a retrospective study from a highly polluted area.
4. **Ciringione Alessia** (Laboratory of Biochemistry, Molecular Biology and Oncometabolism, DIMEC) Salivary microRNAs as non-invasive biomarkers for diagnosis and risk stratification of Oral Squamous Cell Carcinoma.

5. **Corno Enrico** (Unit of Obstetrics and Gynecology, AOU Parma) Intrapartum ultrasound prior to performing an instrumental delivery.
6. **Darhour Luigino Jalale** (Unit of Anaesthesiology, AOU Parma) External Validation of the AKI Predictor and Comparative Analysis of Early and Late - Onset Acute Kidney Injury in Patients Undergoing Major Non-Cardiac Surgery.
7. **Dormiente Alessandra** (unit of Dentistry, AOU Parma) Microbiota evaluation in patients treated with topical corticosteroids for symptomatic OLP.
8. **Guasconi Massimo** (Nursing School, AUSL Piacenza) Comparison and evolution in ECG interpretation skills between nursing students and nurses: a cross-sectional study.
9. **La Monica Silvia** (Laboratory of Experimental Oncology, DIMEC) New PET radioligands for assessing response during progression to osimertinib treatment in NSCLC models.
10. **Lilloni Giovanni** (Unit of Maxillofacial Surgery, AOU Parma). Salivary biomarkers and radiomic signatures for Oral Squamous Cell Carcinomas (OSCCs) stratification.
11. **Migliari Silvia** (Unit of Nuclear Medicine, AOU Parma) Development and radiochemical validation of [^{68}Ga]Ga-DOTA-Siglec-9 for PET imaging applications.
12. **Mozzarelli Fabio** (Master in Healthcare Group, DIMEC) The role of leadership as a variable factor in the phenomenon of intention to stay of nurses: an integrative review.
13. **Renzetti Stefano** (Laboratory of Biostatistics and Clinical Epidemiology, DIMEC) Application of Linear Spline Regression Model to Assess the Association Between Air Pollution and Early Childhood Development.