



**UNIVERSITÀ
DI PARMA**



**SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA**
Azienda Unità Sanitaria Locale di Parma
Azienda Ospedaliero - Universitaria di Parma

VI Research Day DiMeC – 2026

**Castello di San Lorenzo
Torre de' Picenardi (Cremona)
2 Ottobre 2026**

Dipartimento di Medicina e Chirurgia

*in collaborazione con l'Azienda Unità Sanitaria Locale di Parma,
l'Azienda Ospedaliero-Universitaria di Parma, e
l'Azienda Unità Sanitaria Locale di Piacenza*



09:00 MESSAGGIO DI BENVENUTO

Paolo Martelli, Magnifico Rettore dell'Università di Parma

09:15 SALUTI DELLE AUTORITÀ e INTRODUZIONE DEI LAVORI

Anselmo Campagna, Direttore Generale della Azienda Ospedaliero-Universitaria di Parma

Paola Bardasi, Direttore Generale Azienda USL 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

09:30-10:15

SESSION 1: Advances in Immunity and Inflammation: Pathways, Dysregulation, and Targeted Interventions

Chair: Prof. Erminia Ridolo (Medicina Interna di Continuità, AOU Parma)

9:30 Valeria Buoli Comani (Laboratorio di Biofisica e Fisica Medica). **Beyond iron acquisition: Staphylococcus aureus IsdH recognition of the hemoglobin-haptoglobin complex reveals a potential role in CD163-mediated macrophage interactions**

9:45 Claudia Greco (Laboratorio di Farmacologia). **Cholesterol Accumulation Drives Cellular Senescence in Vascular Cells: the emerging involvement of the complement 3a receptor**

10:00 Alessandra Dormiente (AOU Odontostomatologia). **Bacterial and fungal microbiota in patients with homogeneous and non-homogeneous oral leukoplakia: analysis and potential implications for malignant transformation**

10:15-10:45 Coffee break

ORAL SESSION

10:45-11:30

SESSION 2: Frontiers in Neuroscience and Nervous System Disorders: From Molecular Insights to Clinical Applications

Chair: Prof. Paolo Papale (Papale Lab, Unità di Neuroscienze, Università di Parma)

10:45. Alessandro Zilioli (Neurologia, AOU Parma). **MRI Atrophy Subtypes of Early Alzheimer Disease Potentially Eligible for Anti-Amyloid Therapies: Cognitive Trajectories and Neuropathological Findings.**

11:00 Riccardo Manca (Laboratorio di Neuroanatomia). **Innovative neuroimaging markers of neuropsychiatric symptoms in Alzheimer's disease: insights from the NINFA-AD project.**

11:15 Alessandro Ciraoio (Laboratorio di Neuroscienze Cognitive Sociali). **Perspective and Dimensionality in Action Observation: A VR-TMS Study of Corticospinal Excitability.**

11:30-12:00 PLENARY LECTURE

From Defense to Design: The Role of the Immune System in Shaping the Brain

Prof. Michela Matteoli

Department of Biomedical Sciences, Humanitas University, Milano

Chair: Prof. Luca Bonini

ORAL SESSION

12:00-12:45

SESSION 3: Precision Medicine and Targeted Therapy: Genomic Insights, Biomarkers, and Personalized Treatment Strategies

Chair: Prof. Paola Storti (Laboratorio di Ematologia, Università di Parma)

12:00 Gregorio Monica (Laboratorio di Ematologia Traslazionale e Chemogenomica). **Inhibition of the Atypical Kinase WNK1 as a Therapeutic Strategy in TAL-related T-cell Acute Lymphoblastic Leukemia.**

12:15 Orsola Di Martino (Laboratorio di Anatomia Umana e Biologia Applicata del Sistema Emopoietico). **Inhibitors of IRE1A enhance venetoclax activity in de novo and secondary acute myeloid leukemia.**

12:30 Alessia Ciringione (Laboratorio di Biochimica, Biologia Molecolare ed Oncometabolismo). **The sCLU/PAI-1/LRP1 axis promotes the invasive behavior of aggressive triple-negative breast cancer cells.**

12:45 – 13:45 Lunch break

13:45 – 15:45 POSTER VIEW (all sessions)

ORAL SESSION

15:45-16:30

SESSION 4: Innovations in Diagnostic Approaches and Surgical Practice: Integrating Science and Clinical Care

Chair: Prof. Giampaolo Niccoli (Cardiologia, AOU Parma)

15:45 Giorgia Peca, Laura Musumeci (Laboratorio di Systems Medicine). **Bridging Genomics and Proteomics to Decode the Biological Roles of Distal Cholesterol Biosynthesis Intermediates in Cancer.**

16:00 Davide Maria Pressanto (Chirurgia Vascolare, AOU Parma). **Changes in aortic stiffness and cardiac function after endovascular and open aortic surgery: one-year prospective results.**

16:15 Federico Colombo (Radioterapia, AOU Parma). **A prospective observational trial of single fraction stereotactic ablative body radiotherapy for oligometastatic patients (SONIC-O): preliminary results.**

ORAL SESSION

16:30-17:15

SESSION 5: Emerging Trends in Epidemiology: Big Data, Risk Factors, and Predictive Modeling

Chair: Prof. Stefano Renzetti (Laboratorio di Biostatistica ed Epidemiologia Clinica, Università di Parma)

16:30 Camilla Roberti (Radiologia Diagnostica e Interventistica Extravascolare, AOU Parma). **Performance of an AI Model for Lung Cancer Risk Stratification in a Lung Cancer Screening Cohort.**

16:45 Marco Salvi (Clinica Geriatrica, AOU Parma). **Irisin as a mediator between skeletal muscle and physical performance in the aging trajectories.**

17:00 Patrick Silveti (Unità Tumori Cutanei, Dermatologia Traslazionale). **The Ugly Duckling in Ink: Melanoma Awareness, Risk Perception and Preventive Behaviors in Tattooed Skin.**

17:15 - 19:00 POSTER VIEW (all sessions)

19:00. Awards, Apericena and Concert

POSTER SESSION: Advances in Immunity and Inflammation: Pathways, Dysregulation, and Targeted Interventions

1. **Ampollini Silvia** (Laboratorio di Immunopatologia Virale) Immune remodeling of the innate-to-adaptive effector axis during long-term bulevirtide monotherapy in patients with Chronic Hepatitis Delta (CHD)
2. **Detto Leonardo** (Pediatria e neonatologia, AUSL Piacenza) Effect of Nutritional Intervention on Lipid Profile in a Cohort of Pediatric Subjects with Hypercholesterolemia
3. **D'Antuono Anna** (Endocrinologia e Malattie del Metabolismo, AOU Parma) Establishment of an experimental platform for DLK1-targeted therapies in adrenocortical carcinoma
4. **De Francesco Pierpaolo** (Odontostomatologia, AOU Parma) Effects of Zinc L-Carnosine on Human Gingival Fibroblasts Activity: An In Vitro Study
5. **Ughini Chiara** (Laboratorio di Patologia Generale) RNA-loaded nanomedicine to modulate local intestinal inflammation in Inflammatory Bowel Disease

POSTER SESSION: Frontiers in Neuroscience and Nervous System Disorders: From Molecular Insights to Clinical Applications

1. **Ballestrazzi Gemma** (Laboratorio di Neuroanatomia) Transcriptomic characterization of descending motor pathways in the non-human primate: methodological challenges and approaches
2. **Battioni Costanza** (Laboratorio di Neuroscienze Cognitive Sociali) How Affective States Become Actions: A Kinematic Study
3. **Becchini Alessandro** (Laboratorio di Neuroetologia Dei Primati Non Umani) Synergistic representation of grip type and body posture in premotor cortex of freely moving monkeys
4. **Caiazza Laura** (Clinica pediatrica, AOU Parma) Beyond Pain: Psychopathological Profiles in a Pediatric Headache Cohort Using Multi-Informant Behavioral Assessment
5. **Fiduccia Alice** (Psicologia Clinica, Psicofisiologia Clinica e Neuropsicologia clinica) Emotional Exhaustion and Atypical Vagal Reactivity to Cognitive and Work-Related Emotional Stress in Industrial Workers
6. **Gerra Maria Lidia** (AUSL Parma: Servizi Psichiatrici Ospedalieri a Direzione Universitaria) Behavioural responses to competing interpersonal motives during witnessed ostracism in borderline personality disorder
7. **Guidotti Sara** (Neurologia, AOU Parma) Autonomic Imbalance and Fatigue in Multiple Sclerosis: A Psychophysiological Investigation in the Peri-Diagnostic Period
8. **Somma Maria Paola** (Psicologia Generale e Psicofisiologia Cognitiva) Beyond the Label: How Vocal Prosody and Semantic Information Modulate the Valence of Food-Related auditory stimuli.

POSTER SESSION: Precision Medicine and Targeted Therapy: Genomic Insights, Biomarkers, and Personalized Treatment Strategies

1. **Bisignano Francesca Maria** (Laboratorio di Microbiologia) Rationally designed antibody-derived peptides: evaluation of antibiofilm activity against *Staphylococcus aureus*
2. **Bongrani Alice** (Clinica Medica) Effects of a low-magnesium-diet on blood pressure and blood-brain barrier permeability in an animal model of Posterior Reversible Encephalopathy Syndrome (PRES)
3. **Burattini Margherita** (Laboratorio di Tecnologie Mediche, Sperimentali ed Applicate) Kinematic-Calcium loops quantify excitation-contraction coupling deficit in pathological hiPSCs cardiac spheroids
4. **Busciglio Sabrina** (Laboratorio di Genetica Medica) Polygenic risk profiles define distinct clinical trajectories in obsessive compulsive disorder (OCD): toward precision medicine through PRS-based stratification
5. **Falcone Emanuela** (Laboratorio di Oncologia Sperimentale) New strategies to overcome chemoresistance in pleural mesothelioma models
6. **Gallo Mariana** (Laboratorio di Biochimica e Metabolomica) NMR-based metabolomics reveals that TG2 inhibition triggers cell line-specific metabolic reprogramming in Triple-Negative Breast Cancer
7. **Orlandi Elena** (Oncologia, AOU Piacenza) Systemic treatment with or without immunotherapy in gallbladder carcinoma: a systematic review and a meta-analysis of the current literature
8. **Pecci Federica** (Laboratorio di Oncologia Medica) Integrated Multi-Omics and Systemic Immunometabolic Biomarkers for Prognostic Stratification in Patients Receiving Immune Checkpoint Inhibitors
9. **Quartulli Francesca Pia** (Laboratorio di Morfologia Rigenerativa e Strutture Bioartificiali) New players in bone anabolism by skeletogenic stem cells: the desmin/myo-inositol duo and its translational relevance
10. **Saponara Veronica** (Laboratorio di Tossicologia industriale e metodiche analitiche avanzate) Pharmacological inhibition of MEK potentiates the antitumor effects of arsenic trioxide in mesothelioma cells

POSTER SESSION: Innovations in Diagnostic Approaches and Surgical Practice: Integrating Science and Clinical Care

1. **Berdini Michele** (2° Anestesia e Rianimazione, AOU Parma) Phase-specific perioperative complications in major urological surgery: preliminary findings from the RECOVER study
2. **Bossi Francesca** (Clinica Pediatrica, AOU Parma) Use of MiRNAs for the diagnosis of Growth Hormone Deficiency and prediction of response to GH therapy
3. **Bossone Rosa** (Cardiologia, AOU Parma) Early Mortality After Mitral Surgery for Failed MitraClip/TEER: A Systematic Review and Meta-Analysis
4. **Buono Enrico Vito** (Laboratorio di Ricerca Clinica Neonatologica e Pediatrica) Impact on Pediatric Respiratory Virus Epidemiology Following Nirsevimab Introduction
5. **Dessena Mattia** (Laboratorio di Ematologia) Bone microenvironment dynamics in monoclonal gammopathies: from single-cell profiling to 3D niche modeling

6. **Finato Laura** (Laboratorio di Anatomia e Istologia Patologica) Multiscale investigation on endothelial cells from the vascular anomalies landscape
7. **Guercio Alessandra** (Medicina Nucleare, AOU Parma) ⁶⁸Ga-FAPI-46 PET/CT for imaging of active pulmonary fibrogenesis: the first 2 cases report at our Academic Hospital of Parma
8. **Palmacci Federico** (Servizio di Fisica Santitaria, AOU Parma) Development of a robust quantitative kinetic analysis workflow of dynamic [⁶⁸Ga]-Exendin-4 PET/CT for non-invasive visualization of pancreatic beta-cells

POSTER SESSION: Emerging Trends in Epidemiology: Big Data, Risk Factors, and Predictive Modeling

1. **Camatti Jessika** (Medicina del lavoro e tossicologia industriale, AOU Parma) Shift work and cardiovascular health in healthcare workers: a systematic review
2. **Ciardi Gianluca** (CdL in Fisioterapia, AOU Piacenza) The role of manual therapy in treating chronic pelvic pain: a scoping review
3. **Cipri Alessandro** (Pediatria e oncoematologia, AOU Parma) Cancer Predisposition Syndromes: 30-Year follow-up at the Pediatric Onco-Hematology Unit of Azienda Ospedaliero-Universitaria di Parma
4. **Cortese Federico** (CdL in Infermieristica, AOU Parma) Reflective Journaling as a Transformative Learning Tool in Nursing Clinical Education: Protocol for a Longitudinal Study
5. **Galli Carlo** (Laboratorio di Istologia) Engineering the Possible: How Scaffold Constraints Steer Regeneration
6. **Giordano Elisabetta** (Laboratorio di Endocrinologia, Diabetologia e Malattie del Metabolismo) Peripheral blood mononuclear cell transcriptomics in apparently healthy individuals unveils immunometabolic links between cardiometabolic risk pathways and insulin response over 18 years
7. **Guasconi Massimo** (Clinical Simulation and Artificial Intelligence) Rehabilitation Care for People with Hearing Impairment: A Comparative Study Between Brazil and Portugal
8. **Malvezzi Matteo Charles** (Laboratorio di Biostatistica ed Epidemiologia Clinica) Global Trends in Drug Poisoning Mortality: Intent-Specific Patterns and Coding Heterogeneity Across 42 Countries
9. **Matera Biagio** (Laboratorio di Biomateriali ed Ingegneria Tissutale) Enhanced Bone Regeneration through Controlled β -TCP Incorporation in 3D-Printed PCL Scaffolds: an in vivo study
10. **Mohieldin Mahgoub Ibrahim Mostafa** (Laboratorio di Igiene e Aerobiologia) Advanced Optical Technologies and Artificial Intelligence for Public Health: Real-Time Monitoring of Bioaerosols
11. **Montesanto Nunzia** (Medicina interna, AOU Piacenza) Clinical Placement Experiences of Nursing Students with Specific Learning Disorders: A Qualitative Phenomenological Study
12. **Pino Olimpia** (Psicologia Cognitiva) Promoting health, autonomy, and social connection in people with cognitive frailty through a multicomponent training: SACS Program
13. **Ranzieri Silvia** (Medicina del lavoro e tossicologia industriale, Centro Eccellenza Tossicologia Industriale) Uso di esoscheletri passivi nella prevenzione del sovraccarico biomeccanico del rachide dorso-lombare nell'industria metalmeccanica: dati preliminari di efficacia e criticità