



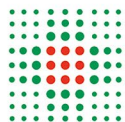
# Research Day

*Dipartimento  
di Medicina  
e Chirurgia*

*in collaborazione con  
Azienda Ospedaliero-Universitaria  
di Parma*

**13 Ottobre  
2023**

*Villa Calciati*



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



**UNIVERSITÀ  
DI PARMA**

09.00. **MESSAGGIO DI BENVENUTO**

**Paolo Andrei**, Magnifico Rettore dell'Università di Parma

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

## **ORAL SESSION**

**9:30-13:00**

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### **SESSION 1: Neuroscience and Disorders of the Nervous System**

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Chair: **Vittorio Gallese** (Social Cognitive Neuroscience Lab).

09.30. **Gemma Ballestrazzi** (Laboratorio di neuroanatomia). **Involvement of the claustrum in the cortico-basal ganglia circuitry: connectional study in the non-human primate.**

09.45. **Mattia Delgrosso** (Laboratorio di neuroetologia dei primati non umani). **Intracortical recordings in freely behaving macaques during sleep and wakefulness**

10.00. **Martina Ardizzi** (Social Cognitive Neuroscience Lab). **The properties of peripersonal space plasticity in humans**

10.15. **Paolo Ossola** (Unità di Psichiatria). **Computational Psychopathology: a mechanistic explanation of mental health symptoms**

10.30. **Giovanni Autore** (Clinica Pediatrica). **Neurological symptoms in pediatric patients affected by long COVID: clinical characteristics and risk factors**

*10.45-11.15 Coffee break*

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### **SESSION 2: Diagnostics and Surgeries**

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Chair: **Antonio Freyrie** (Chirurgia vascolare)

11:15. **Valentina Bellini e Matteo Panizzi** (Anestesia, rianimazione, terapia intensiva e del dolore). **Intelligent Operating Room: the new model in action**

11.30. **Michele Slawitz** (Urology Division). **Robotic surgery improves quality of life by reducing the risk of treatment-related side effects**

11.45. **Benedetta Ghezzi** (Biomaterials and Tissue Engineering Laboratory). **Bioprinted PCL/ $\beta$ -TCP scaffold as an innovative approach for bone defects regeneration**

12.30. **Sara Rossetti** (Centro di Odontoiatria). **Correlation between periodontal health and osteoporosis in a cohort of post-menopausal women**

12.45. **Giulia Pozzi** (Laboratorio di Anatomia Umana e Biologia Applicata del Sistema Ematopoietico), **Silvia Migliari e Anna Gagliardi** (Nuclear Medicine Division). **A new diagnostic algorithm to non-invasively track fibrotic changes in myeloproliferative neoplasms based on C-C Chemokine Receptor 2 detection. From flow cytometry to the development of targeted PET molecular imaging. Pre-clinical studies and first in-human proof of concept**

*13:00 – 14:00 Lunch break*

*14:00 – 15:30 Poster View*

**ORAL SESSION**  
**15:30-18:30**

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**SESSION 3: Immunity, inflammation, and intervention**

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Chair: **Carlo Ferrari** (Laboratorio di Immunopatologia Virale)

15.30. **Federica Fantuzzi** (Laboratorio di Endocrinologia, Diabetologia e Malattie del Metabolismo). **Stearate, a saturated fatty acid, affects human macrophage polarization and function**

15.45. **Camilla Tiezzi** (Laboratorio di Immunopatologia Virale). **A novel enhancing effect of SARS-CoV-2 mutations on anti-viral CD8 T cell responses.**

16.00. **Giulia Recchia Luciani** (Patologia Generale). **Cytokine-induced iNOS in alveolar epithelial cells: cooperative effects of JAK/STAT and NF- $\kappa$ B**

16.15. **Amelia Rinaldi** (Gruppo Trapianti Midollo Osseo). **Outcome and immune reconstitution after TCR $\alpha\beta$ /CD19<sup>+</sup> - cell depleted haematopoietic stem cell transplantation from haploidentical related donor in hematological disease**

16.30. **Irene Zucchini** (Clinica Geriatrica, Dipartimento Medico Geriatrico Riabilitativo). **The effect of a 36-month multicomponent intervention on the incidence of mobility disability in frail sarcopenic elderly subjects: final results of the SPRINTT project**

*16.45-17.15 Coffee break*

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## SESSION 4: Precision medicine and targeted therapy

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Chair: **Riccardo Bonadonna** (Laboratorio di Endocrinologia, Diabetologia e Malattie del Metabolismo)

17.15. **Mirko Hu** (Laboratorio di Tecnologie Mediche sperimentali ed Applicate). **Human Embryonal stem cell-derived cardioids as a model to study the effect of air pollution on developing heart via novel longitudinal Optokinematic Platform (LOKI)**

17.30. **Federica Vento** (Laboratorio di Ematologia Traslazionale e Chemogenomica-THEC). **SERCA Modulation Reverses Glucocorticoid Resistance in NOTCH1-mutated T-Cell Acute Lymphoblastic Leukemia**

17.45. **Silvia La Monica** (Oncologia Sperimentale). **New therapeutic approaches in malignant pleural mesothelioma models**

18.00. **Paola Storti** (Ematologia). **Describing the bone microenvironment of monoclonal gammopathies patients by single cell RNAseq analysis**

18.15. **Marta Calabria** (Farmacologia). **Sphingosine 1-phosphate (S1P) receptors: new pharmacological targets for modulating lipid transport in the macrophage**

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*18:30 - 19:30: Poster View*

*19:30. Apericena, Awards and Concert*

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## POSTER SESSION: Basic research and preclinical studies

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1. **Antonelli Rita** (Salivary research group) Progression from normal oral mucosa to epithelial dysplastic lesions: a metabolic profiling study on saliva
2. **Arisi Arianna** (Clinica Geriatrica) The difficult birth of evidence-based medicine: a paradigmatic geriatric clinical case from the 19th century. A historiographical perspective.
3. **Basile Claudio** (Neurofisiologia e Comportamento per Primati Non Umani) Connectional subdivisions reflect neuronal features of the various sectors of the macaque ventrolateral prefrontal cortex
4. **Beretta Virginia** (UO Neonatologia, Dipartimento Materno-Infantile) Human-rat integrated microRNAs profiling identified a new neonatal cerebral hypoxic-ischemic pathway melatonin-sensitive
5. **Bianchi Edoardo** (Reparto di Ortodonzia - Centro Universitario di Odontoiatria) Awareness and attitude of dentists and orthodontists towards obstructive sleep apnea in children
6. **Ciringione Alessia** (Unità di Patologia, Laboratorio colture cellulari) New insights into the vascular anomalies landscape: in-vitro studies and immunohistochemical characterization
7. **Cortellazzi Samuele** (Laboratorio di Anatomia Umana e Biologia Applicata del Sistema Ematopoietico) Protein Kinase C epsilon fosters myogenic differentiation via SOD2-mediated downmodulation of ROS levels.
8. **Croci Simonetta** (Laboratorio di Biofisica e Fisica Medica) Microtubules: new IR target
9. **De Sensi Erika** (Unità Operativa di Genetica Medica) Pathogenetic mechanisms at the basis of the Darier disease (DD): molecular and transcriptional investigations
10. **Errante Antonino** (Centro Interdipartimentale di Neuroimaging) Structural connectivity between cortical and cerebellar areas involved in observation and execution of grasping actions
11. **Gallo Mariana** (Biochimica e Metabolomica) Metabolomes of breast cancer cell lines highlight the differences in the metabolic reprogramming of diverse tumour subtypes
12. **Gentile Federica Maria** (Systems Medicine Laboratory) Bridging biochemistry, genomics, and data science to reveal unprecedented roles for cholesterol biosynthesis intermediates
13. **Giaino Maria Teresa** (Laboratorio di Ematologia Traslazionale e Chemogenomica (THEC) Towards personalized treatment in high-risk T-cell Acute Lymphoblastic Leukemia: a Functional Precision Medicine approach
14. **Iaria Roberta** (Reparto Patologia e Chirurgia Orale Laser - Centro Universitario di Odontoiatria) Auto-Fluorescence (AF) analysis in bone tissue. A study about spectrophotometric and histopathological variations between necrotic and healthy bone.
15. **Mazzaschi Giulia** (Oncologia). Comprehensive Characterization of Cancer Biology and Host Features in Solid Tumor
16. **Mergoni Giovanni** (Laboratorio di Biomateriali ed Ingegneria Tissutale, in collaborazione con il Laboratorio di Microbiologia e Virologia) Evaluation of antimicrobial peptide activity at the biomaterial/cell interface – a preliminary study.
17. **Negri Francesca** (Lab of Molecular Gastroenterology) HFE H63D variant promotes epithelial to mesenchymal transition of pancreatic cancer in cell-cycle dependent manner

18. **Nicastro Maria** (Laboratorio di Tossicologia industriale e metodiche analitiche avanzate) Biochar dust emission: Is it a health concern? Preliminary results for toxicity assessment
19. **Paolini Simone** (Istituto di Neuroscienze, Consiglio Nazionale delle Ricerche: IN-CNR) Beyond Action Observation: the recovery, maintenance, and acquisition of motor abilities via mirror mechanism
20. **Pattuzzi Claudia** (Dipartimento di Cardiochirurgia). Minimally invasive mitral surgery: a new era in Parma
21. **Scopa Chiara** (Unità di Neuroscienze Laboratorio di Biologia Comportamentale) Growing Emotional Regulation ability: predictive methodologies for mapping infants' development
22. **Vezzani Bianca** (Laboratory of Biogerontology and Geroscience - LBG) Neuroimmunomodulation of adipose tissue function in health and disease

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### POSTER SESSION: Clinical studies

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1. **Accogli Rocco** (UOC Clinica Pneumologica) Daily physical activity and exercise capacity in patients with chronic obstructive pulmonary disease
2. **Catola Ginevra** (UO Chirurgia Maxillo-Facciale) Research of salivary biomarkers for risk stratification in patients with head-neck squamous cell carcinoma)
3. **Celora Gabriella Maria** (UO Ginecologia e Ostetricia) Development of an artificial intelligence-based algorithm for the prenatal estimation of the fetal bone mineral density
4. **Corno Enrico** (UO Ginecologia e Ostetricia) The “cortical imprint sign”: a mid-trimester sonographic marker of unilateral cortical focal dysgyria in fetuses with complete agenesis of the corpus callosum
5. **Dagoli Sara** (Laboratorio di Tossicologia Forense e Medicina Legale) “Gateway Drug Theory”: the experience/contribution coming from the Service for Pathological Dependencies (SerDP) of Parma (Italy).
6. **De Gregorio Mattia** (UOC Cardiologia – Azienda Ospedaliero-Universitaria di Parma) Prognostic role of coronary artery ectasia in patients with non-obstructive coronary artery disease
7. **Guidotti Sara** (Laboratori di Psicologia Clinica, Neuropsicologia Clinica e Psicofisiologia Clinica). Electrodermal Activity Moderates the Relationship Between Depression and Suicidal Ideation in a Group of Patients with Anxiety and depressive Symptoms
8. **Ledda Roberta Eufrosia** (Scienze Radiologiche). Diagnostic performance of chest CT average intensity projection (AIP) reconstruction for the assessment of pleuro-parenchymal abnormalities
9. **Martini Chiara** (SSD Riabilitazione Ambulatoriale e Ortogeriatrica) The upper limb orthosis in the rehabilitation of stroke patients: the role of 3D printing
10. **Martini Chiara** (Unit of Vascular Surgery) Use of 3D-Printed Models for Endovascular Planning and Training in PAD Patients Undergoing Endovascular Treatment
11. **Matera Biagio** (Reparto di Ortodonzia – Centro Universitario di Odontoiatria) Improvements in the accuracy of positioning and facial patterns analysis through the use of 3D-stereophotogrammetry
12. **Moretti Chiara** (Lab of Interprofessional Research In Medical Humanities For Global Health) Gender and sex bias in prevention and clinical treatment of women's chronic pain: hypotheses of a curriculum development.

13. **Presta Valentina** (Laboratorio di Movimento Umano, Postura e Composizione Corporea) A predictive model of falling risk and frailty condition in the elderly
14. **Ranzieri Silvia** (Scuola di specializzazione in Medicina Occupazionale) Magnetic Resonance Imaging evaluation of disc-vertebral changes of the lumbar spine: search for radiological pattern correlating with biomechanical overload.
15. **Rapelli Giada** (Polo Bio - Tecnologico, Scuola di Medicina) Hikikomori Syndrome and Sleep: an Alarm Bell for the Screening and Prevention
16. **Salghetti Anna Maria** (UO Medicina Riabilitativa) Preventing positional plagiocephaly through pre-born educational intervention: a randomized controlled study
17. **Salvi Marco** (Medical Geriatric Rehabilitation) Effects of a two-year exercise program on the neuromuscular system of elderly subjects with reduced muscle performance
18. **Scarpelli Elisa** (UO Ginecologia e Ostetricia) Pattern of recurrence in endometrial cancer. The murderer always returns to the scene of the crime.
19. **Sulhai Anna-Mariia** (Endocrinologia Pediatrica, Clinica Pediatrica) Central precocious puberty before and after the COVID-19 lockdown: epidemiology of the phenomenon, and an evaluation of coping strategies in the girls and their mothers
20. **Tagliaferri Sara** (Laboratorio di Biostatistica ed Epidemiologia Clinica) Alcohol and cancer in Italy: attributable fractions and trends in consumption and mortality.