



Research Day

*Dipartimento di Medicina e Chirurgia
in collaborazione con
Azienda Ospedaliero-Universitaria
di Parma*

**7 Ottobre
2022**

*Labirinto
della Masone*



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



**UNIVERSITÀ
DI PARMA**

09.00. MESSAGGIO DI BENVENUTO

Paolo Martelli, Pro Rettore Vicario, Università di Parma

Roberto Fornari, Prorettore per la Ricerca, Università di Parma

09.15. INTRODUZIONE AI LAVORI

Ovidio Bussolati, Direttore del Dipartimento di Medicina e Chirurgia

Carlo Ferrari, Coordinatore della Commissione Ricerca Dipartimentale

ORAL SESSION

9:30-13:00

SESSION 1: Neuroscience and Disorders of the Nervous System

Moderatori: **P. Palanza** (Laboratorio di Biologia del Comportamento), **V. Ferrari** (Laboratorio di Psicofisiologia)

09.30. Cristina Rotunno (Laboratorio di neuroetologia, primati non umani). **Neuronal signals for self and other's action in the monkey putamen.**

09.45. Paolo Presti (Unità di Neuroscienze UNIPR – CNR). **The dynamic experience of virtual environments alters the perception of emotional body posture: an EEG experiment in virtual reality**

10.00. Davide Fausto Borrelli (Salute Mentale e Dipendenze Patologiche). **May early-onset obsessive-compulsive disorder cover psychotic vulnerability?**

10:15. Mauro Belluardo (Social Neuroscience and Comparative Cognition). **Facial expressions time processing and face sensorimotor (re)organization in patients affected by congenital facial palsy**

SESSION 2: Pharmacology and Medical technologies for prevention, diagnosis, monitoring, and treatment of diseases

Moderatori: **G. Missale** (Laboratorio di Immunopatologia Virale), **M. Tiseo** (Oncologia Medica)

10:45. Benedetta Pellegrino (Oncologia Medica). **Pre-clinical and clinical validation of the RAD51 assay as a dynamic and functional biomarker of HRD**

11.00. Eltayeb Kamal (Oncologia Sperimentale). **Effects of the inhibition of glucosylceramide synthase in EGFR-mutated NSCLC cell lines**

11.15. Giulia Pozzi (Anatomia Umana e Biologia Applicata del Sistema Ematopoietico). **Flow-Cytometric Detection of CCR2+CD34+ Cells in Support of bone Marrow Morphology for the Differential Diagnosis of Philadelphia-Negative Myeloproliferative Neoplasms**

11.30. Francesco Potì (Farmacologia). **Sphingosine 1-phosphate (S1P) receptor type 1 signaling induces an anti-atherogenic phenotype in macrophages and attenuates atherosclerosis in LDL-receptor-deficient mice**

11.45. **Gloria Cinquegrani** (Endocrinologia, Diabetologia e Malattie del Metabolismo). **SARS-CoV-2 spike protein is not pro-inflammatory in human primary macrophages: endotoxin contamination and lack of protein glycosylation as possible confounders**

SESSION 3: Public and Environmental Health

Moderatori: **G. Gobbi** (Laboratorio di Movimento Umano, Postura e Composizione Corporea), **R. Cecchi** (Unità di Medicina legale)

12.00. **Mostafa Mohieldin Mahgoub Ibrahim** (Laboratorio di Igiene e Sanità Pubblica). **The circulation of SARS-CoV-2 variants of concern (VOC) from February 2021 to July 2022 in Parma Province, Italy**

12.15. **Silvia Ranzieri** (UOC Medicina del Lavoro e Tossicologia Industriale). **Occupational and environmental exposures in Idiopathic Interstitial Pneumonias (WE-ILD study): retrospective overview and first perspective data**

12.30. **Giancarlo Condello** (Laboratorio di Movimento Umano, Postura e Composizione Corporea). **Perception of health and quality of life with advancing age: A holist approach from Sport and Exercise Science**

12.45. **Marta Barbaresi** (Medicina Legale). **Biochemical investigations applied to post-mortem interval estimation in cerebrospinal fluid and in vitreous humor through ELISA method**

13:00 – 15:00 Lunch break and Poster View

ORAL SESSION 15:00-18:00

SESSION 4: Medical imaging and tools for prevention, diagnosis, monitoring, and treatment of diseases

Moderatori: **T. Ghi** (Laboratory of Materno-Fetal Medicine) **C. Ghetti** (Servizio di Fisica Sanitaria)

15.00. **Gurguglione Filippo Luca** (UOC Cardiologia). **PHENOtotyping type 2 DIAbetic patients with Coronary Artery Disease according to microvascular complications: a multi modality-imaging and laboratory STUDY. The PHENO-DIACAD STUDY**

15.15. **Claudia Pattuzzi** (Cardiac Surgery Unit). **Evaluation of right ventricular function during cardiac surgery operation with intraoperative videocardiography real-time 3D. A pilot study.**

15.30. **Erica Mariani** (UOC di Chirurgia Vascolare). **Aortic Stiffness and Cardiac Modification After Open or Endovascular Aortic Treatment: Preliminary Results of a Single-Centre Prospective Cohort Study**

15.45. **Silvia Migliari** (UOC Nuclear Medicine Division). **Building a Molecular Imaging Platform for Pulmonary Fibrosis**

16.00. **Valentina Fainardi** (Ricerca Clinica Pediatrica). **Effect of the modulating therapy with elexacaftor/tezacaftor/ivacaftor on lung morphology and lung function in patients with cystic fibrosis.**

16.15. **Annalisa Frizzelli** (UOC Clinica Pneumologica). **An Impairment in Resting and Exertional Breathing Pattern May Occur in Long-Covid Patients with Normal Spirometry and Unexplained Dyspnoea**

SESSION 5: Personalized and Precision Medicine

Moderatori: **L. Laghi** (Laboratorio di Gastroenterologia Molecolare), **M. Manfredi** (Centro Universitario di Odontoiatria).

16.30. **Annalisa Patera** (Urology Division). **Precision imaging in the preoperative lymph nodes staging of prostate cancer: Robotic-Assisted Radical-Prostatectomy plus pelvic lymph node dissection guided by PET-PSMA**

16.45. **Federico Colombo** (Radiotherapy Division). **Long-term outcomes of Multifraction Stereotactic Radiosurgery (mfSRS) for multiple brain metastases using an innovative non-coplanar mono-isocenter technique (HyperArc™)**

17.00. **Lorenzo Bertolotti** (UOC di Radiologia diagnostica ed Interventistica). **Multi institutional study on safety and effectiveness of percutaneous radiofrequency, microwave and cryo-ablations for T1 renal tumors: which is the best imaging guide?**

17.15. **Fabrizio Quattrini** (Clinica Universitaria Ortopedia e Traumatologia Parma /Clinica Universitaria Ortopedia e Traumatologia Parma sede di Piacenza). **Preliminary experience with new nailing system for proximal femur fractures**

17.30. **Chiara Martini** (SIM-Lab). **Intra and inter-observer reliability of in vivo CT assessment of glenoid bone loss by 3D printing: Pico vs Parma method. Preliminary results**

17.45. **Laura Tognin** (Maxillofacial Surgery Research Group). **The BD2Decide European Project: the use of big data and models for personalized head and neck cancer decision support**

18:00: **CLOSING REMARKS**

Massimo Fabi, Direttore Generale dell'Azienda Ospedaliero-Universitaria

18.15-22:00. Discussion, Apericena, Awards and Concert

POSTER LIST

1. An innovative European Joint Research Center-submitted in vitro assay for screening Endocrine Disruptors effects on thyroid cell function: Horizon Project SCREENED #825745
2. Application of personalized medicine paradigm and 3D technologies in Maxillofacial Surgery
3. Assessment of right ventricular function and aortic wall stiffness with an intraoperative real-time 3D video-cardiography
4. Characterization of protective immunity against viral infections and tumors
5. Clinical protocols for the management and rehabilitation of oral cavity
6. Comprehensive Characterization of Cancer Biology and Host Features in Solid Tumors
7. Effects of hydrogen sulphide on inflammation and immune functions
8. Endocrine Surgery Team: General Surgery Clinic, Parma University-Hospital
9. Expressive writing: a tool for health professionals to cope with traumatic experiences working in palliative care
10. Fetal programming of adult diseases: from bench to clinical evidence
11. Healthcare 4.0
12. Histology and Embriology lab
13. Hybrid telemedicine path for pregnancy anesthesiological assistance
14. Identification of new druggable targets and molecular biomarkers in patients with multiple myeloma and monoclonal gammopathies
15. Identification of the Atypical Protein Kinase WNK1 as a New Target in T-cell Acute Lymphoblastic Leukemia
16. Identikit of a multidisciplinary Molecular Imaging Division
17. Immunopathology of atherosclerosis: lipid metabolism and its modulation
18. Inflammatory responses to Spike S1 of Sars-CoV-2 in vitro
19. Interprofessional research in medical humanities for global health
20. Interprofessionalism in healthcare
21. Laboratorio di tossicologia industriale e metodiche analitiche avanzate
22. Laboratory of behavioral biology. Brain, behavior and development
23. Laboratory of Biochemistry and Metabolomics
24. Laboratory of hygiene and public health and Laboratory of hygiene and aerobiology
25. Laboratory of molecular gastroenterology: joint Unipr-Humanitas platform
26. Learning mechanisms in the elaboration of visual stimuli
27. Medical Genetics
28. Microbiologyand VirologyLaboratory
29. Microenvironment & endothelial cell
30. Motor Impairment and Language Aberrations in Schizophrenia: searching for connectons
31. Myeloproliferative neoplasms: the role of chemokine systems and their polymorphisms
32. Neural coding for action execution and action observation in the prefrontal cortex and its role in the organization of socially driven behavior
33. Neural substrates for voluntary motor control in primates
34. Neuroethology lab
35. Neuromuscular histopathology laboratory
36. Nursing university - training center of Piacenza
37. Paediatric clinic research group
38. Pre-clinical assessment of material and techniques for innovative translational protocols in dentistry
39. Preventing and overcoming resistance to target therapy in solid tumors

40. Psycho-social and spiritual dimension of care in health emergencies in high and low income countries
41. Research center for growth, metabolism and environment
42. Research projects in gyn onc
43. Research projects in obstetrics
44. Revealing the role of the motor system in cognitive processing. Evidence from emotional judgement task, performance prediction and motor learning
45. Salivary Research Group
46. Small airways assessment in lung diseases
47. TECMED Lab
48. The Endocrinology, diabetology and metabolic disease research group
49. The impact of Covid-19 and Long Covid on health professionals and patients
50. The Social Cognitive Neuroscience Lab in a nutshell
51. Urologists between clinical and scientific activity: robotic surgeons “back to the future”