



Research Day

*Dipartimento
di Medicina
e Chirurgia*

*in collaborazione con
Azienda Ospedaliero-Universitaria
di Parma*

**1 Ottobre
2021**

*Castello
di Rivalta*



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



**UNIVERSITÀ
DI PARMA**

09:20 **MESSAGGIO DI BENVENUTO**

Roberto Fornari, Prorettore per la Ricerca, Università di Parma

Massimo Fabi, Direttore Generale dell'Azienda Ospedaliero-Universitaria di Parma

INTRODUZIONE AI LAVORI.

Ovidio Bussolati, Direttore del Dipartimento di Medicina e Chirurgia

Carlo Ferrari, Coordinatore della Commissione Ricerca Dipartimentale

9:30. **Barbara Panciroli** (Area Ricerca e Innovazione - AOUPR). **La valorizzazione dei Prodotti della Ricerca Sanitaria.**

ORAL SESSION

9:45-13:00

BASIC SCIENCE

Moderatori: **Prisco Mirandola** (Oncologia Molecolare e Translazionale), **Federica Rizzi** (Biochimica, Biologia Molecolare ed Oncometabolismo)

09.45. **Giuseppe Taurino** (Patologia Generale). ***Towards a metabolic characterization of the bone marrow niche: the role of mesenchymal stem cells***

10:00. **Monica Cozzi** (Biofisica e Fisica Medica). ***Identification of protein-protein interaction disruptors targeting human hemoglobin in complex with bacterial hemophore IsdB***

10.15. **Silvia Paterlini** (Biologia del Comportamento). ***Sex and early maternal environment modulate vulnerability to social and metabolic challenges in conditional Npy1r knockout mice***

10:30. **Nunzio Langiulli** (Neuroscienze Cognitive e Sociali). ***Audio spatialization perception during cinematic immersion***

10:45. **Francesca Lanzarini** (Primati non-umani). ***Neuroethological investigation of the macaque's ventral premotor cortex***

TRANSLATIONAL SCIENCE

Moderatori: Roberta Alfieri (Oncologia Sperimentale), Riccardo Bonadonna (Endocrinologia, Diabetologia e Malattie del Metabolismo)

11:00. **Andrea Gherli** (Ematologia Traslazionale e Chemogenomica). ***Targeting EVI-1 in Acute Myeloid Leukemia***

11:15. **Silvia Migliari** (Divisione di Medicina Nucleare). ***Translational radiopharmacy between imaging and patients.***

11:30. **Denise Toscani** (Ematologia). ***Role of metabolic alterations in the progression of monoclonal gammopathies and development of new diagnostic and therapeutic tools***

11:45. **Amparo Guerrero Gerboles** (Tecnologie Mediche Applicate). ***Video-kinematic analysis of cardiomyocyte monolayers derived from hPSCs***

12:00: **Giulia Mazzaschi** (Oncologia Medica). ***A Multiomic Approach to Identify Predictive Factors for Immunotherapy Benefit in Solid Tumors***

12:15: **Federica Rubbino** (Gastroenterologia Molecolare). ***HFE H63D variant promotes EMT of pancreatic cancer in a cell-cycle dependent manner and through perineuronal invasion***

12:30: **Giulia Remaggi** (Morfologia Rigenerativa e Strutture Bioartificiali). ***Developments in the Horizon 2020 European SCREENED project: proteomic signature of FRTL5 thyroid cells for engineering 3D organoids***

12:45: **Ilaria Montali** (UO Malattie Infettive). ***Identification of novel molecular targets for therapeutic reconstitution of HBV-specific CD8 T cell reactivity in chronic hepatitis B virus infection***

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

POSTER SESSION

13:00-15:00

Poster: BASIC SCIENCE

- 1) Simona Izzo (Biochimica, Biologia Molecolare e Oncometabolismo). ***Spermine/spermidine acetyltransferase: a druggable target to enhance sensitivity of prostate cancer cell to folate depletion***
- 2) Dalila Biancheri (Neuroanatomia). ***Crossed corticostriatal projections in the macaque brain***
- 3) Settimio Ziccarelli. (Laboratorio di Neuroimaging) ***Decoding grip type and action goal during the observation of reaching-grasping actions: A multivariate fMRI study***
- 4) Alfonso Gravante (Neurofisiologia e comportamento II per Primati non Umani). ***Role of Monkey prefrontal and premotor cortices in guiding behavior based on social information***
- 5) Paolo Presti (Unità di Neuroscienze UNIPR–CNR Parma). ***The dynamic experience of virtual architectural forms interacts with the perceived valence and arousal***
- 6) Maria Chiara Bazzini. (Unità di Neuroscienze UNIPR–CNR Parma) ***Action observation treatment, motor learning and neuropsychological functions: which links?***
- 7) Martina Montalti (Social Cognitive Neuroscience). ***The role of motor inhibition in implicit negation processing: theoretical reflections based on two Go/NoGo studies***
- 8) Francesca Canturi. (Laboratorio di Psicofisiologia) ***Stimulus novelty and emotionality interact in the processing of visual distractors***
- 9) Francesco Corazza. (Anatomia Umana e Biologia Applicata del Sistema Ematopoietico) ***H2S modulates SARS-CoV-2 binding receptor TMPRSS2 in human airway epithelium***
- 10) Giulia Pozzi (Anatomia Umana e Biologia Applicata del Sistema Ematopoietico). ***CCL2/CCR2 chemokine system is selectively activated in hematopoietic progenitors of primary myelofibrosis and turned-off by ruxolitinib***
- 11) Benedetta Ghezzi (TBLab – Laboratorio di Biomateriali ed Ingegneria Tissutale). ***PCL/β-TCP 3D-printed scaffolds for periodontal and bone regeneration: filament development***
- 12) Angela Falco (Colture cellulari e microscopia a fluorescenza). ***Differential tumorigenic properties of mesenchymal cells isolated from neoplastic and healthy human lung***
- 13) Francesca Ferrari (Patologia Generale). ***Endothelial cell activation by SARS-CoV-2 spike S1 protein: a crosstalk between endothelium and innate immune cells***
- 14) Mattia Dessena (Farmacologia). ***Targeting inflammation in atherosclerosis: role and therapeutic potential of sphingosine 1-phosphate (S1P) and its receptors.***

Poster: TRANSLATIONAL SCIENCE

- 1) Aide Negri (Biochimica Biologia Molecolare ed Oncometabolismo). ***Combinatorial epigenetic therapy for the treatment of castration resistant prostate cancer.***
- 2) Valentina Presta (Movimento Umano, Postura e Composizione Corporea). ***Posture and gait in the early course of schizophrenia***
- 3) Maurizio Balbi (Unità di Scienze Radiologiche). ***A radiomic approach for response prediction to immunotherapy in advanced NSCLC and future perspectives***
- 4) Veronica Cervati (Divisione di Medicina Nucleare). ***Quantitative assessment of translational bioimaging***

- 5) Gloria Cinquegrani (Endocrinologia, Diabetologia e Malattie del Metabolismo). ***Assessment of bioenergetic fluxomics in polarized primary human macrophages: role of antidiabetic SGLT-2 inhibitors***
- 6) Federica Gaiani (UOC Gastroenterologia ed Endoscopia Digestiva). ***Enteroids: development process of a human IBD in-vitro mode***
- 7) Luana Greco (Gastroenterologia Molecolare). ***Ascertainment of Pancreatic Cancer by Liquid Biopsy assessing TWIST1 mRNA levels in blood***
- 8) Benedetta Pellegrino (Oncologia Medica). ***Dissecting the heterogeneity of germline BRCA1/2-mutated tumors***
- 9) Francesco Volta (Oncologia Sperimentale). ***Combined treatment approaches to overcome or delay resistance to EGFR-TKI osimertinib in NSCLC models***
- 10) Matteo Meglioli (Laboratorio di Biomateriali ed Ingegneria Tissutale). ***3D-printed bone models in oral and craniofacial surgery***
- 11) Elisa Cerretani (Ematologia Traslazionale e Chemogenomica). ***EHMT2/G9A drives the epigenetic regulation of glucose metabolism in t-cell acute lymphoblastic leukemia***
- 12) Eleonora Quartieri (Biochimica e Metabolomica). ***Metabolomics in Biomedicine***
- 13) Sara Ghiselli (UO Audiologia e Otorinolaringoiatria Pediatrica). ***Listening effort evaluation in subjects with cochlear implant***

Poster: CLINICAL SCIENCE

- 1) Francesca Zito (Chirurgia Maxillo Facciale). ***3D surgical planning in Orthognathic Surgery: evaluation of differences between pre-operative plan and results and development of new intraoperative guides***
- 2) Giuseppe Perlangeli (Chirurgia Maxillo Facciale). ***Big Data and models for oral squamous cell carcinomas (OSCCs) stratification and patients' treatment personalization***
- 3) Roberto Volpe. (UO Psichiatria). ***The Bodily Self: new perspectives on Motor and Self-disturbances in Schizophrenia.***
- 4) Mauro Belluardo (Neuroscienze e Cognizione Sociale). ***Atypical sensorimotor (re)organization and impaired emotion processes in patients with congenital facial paralysis***
- 5) Maria Maddalena Brambilla (Biologia del Comportamento). ***Life-MILCH Project – Mother and Infant dyads: Lowering the impact of endocrine disrupting Chemicals in milk for a Healthy Life***
- 6) Graziana Romano (Psicologia Cognitiva). ***The role of EEG engagement and arousal in cognitive function enhancement following brainwaves' entrainment***
- 7) Giulia Gambino (UOC Ginecologia e Ostetricia). ***External validation of nodal involvement predictive score in endometrial cancer patients***
- 8) Giovanni Autore (Clinica Neonatologica e Pediatrica). ***Retrospective 8-Year Study on the Antibiotic Resistance of Uropathogens in Children Hospitalized for Urinary Tract Infection in the Emilia-Romagna Region, Italy***
- 9) Stefano Tedeschi (Ipertensione Clinica e Terapia Medica). ***Diurnal and nocturnal hydrosaline balance, blood pressure variability in Parkinson's disease patients with orthostatic hypotension and supine hypertension: effects of antihypertensive drug therapy***
- 10) Valentina Bellini (Laboratorio chirurgico ad elevata tecnologia/ UO Chirurgia Vascolare). ***An intelligent surgical scheduling model: preliminary results***

- 11) Erica Mariani (Laboratorio chirurgico ad elevata tecnologia/ UO Chirurgia Vascolare). ***Aortic Stiffness and Cardiac Modification After Endovascular or Open Aortic Treatment: Protocol Presentation and Preliminary Results***
- 12) Ilaria Gandolfini (Nefrologia). ***Analyzing hair to predict acute rejection and monitor adherence to immunosuppressive therapy in kidney transplant recipients***
- 13) Silvia Ranzieri (Medicina del Lavoro). ***Occupational and environmental exposures in Idiopathic Interstitial Pneumonias: preliminary data from WE-ILD study***
- 14) Rocco Accogli (UOC Clinica Pneumologica) ***Ventilation Heterogeneity in Asthma and COPD. The value of the poor communicating fraction, as the ratio of total lung capacity to alveolar volume.***
- 15) Annalisa Frizzelli (UOC Clinica Pneumologica). ***Coronavirus Disease 2019: COSeSco – A risk assessment score to predict the risk of Pulmonary Sequelae in COVID-19 Patient***
- 16) Filippo Gurgoglione (UOC Cardiologia). ***Microvascular complications as a biomarker of carotid atherogenesis in T2DM patients: possible pathogenetic mechanisms***
- 17) Crescenzo Testa (Clinica Geriatrica). ***Usefulness of functional neuroimaging (FDG-PET; (18) F-fluorodeoxyglucose-positron emission tomography) in increasing the appropriate treatment of Parkinson's disease (PD)***
- 18) Yuri Longobucco (Clinica Geriatrica). ***Nutrition and exercise to delay mobility-disability in older persons: preliminary results from 2-year European multicenter SPRINTT (Sarcopenia and Physical fRailyty IN older people) intervention Study***

ORAL SESSION

15:00-18:00

15:00. **Ruben Foresti**. (SIMLAB- Didattica Innovativa). ***Innovative education and simulation laboratory at University of Parma***

CLINICAL SCIENCE 1

Moderatori: Nicola Sverzellati (Scienze Radiologiche), Susanna Esposito (Clinica Neonatologica e Pediatrica), Annalisa Volpi (Anestesia e Rianimazione)

15:15. **Giovanni Morganelli** (UOC Ginecologia e Ostetricia). ***A new sonographic approach to predict cephalo-pelvic disproportion: the HC/OC ratio.***

15:30. **Rita Antonelli** (Centro Universitario di Odontoiatria). ***Salivary diagnostics***

15:45. **Maria Beatrice Bertolani** (UOC Dermatologia). ***Do acne treatments affect insulin-like growth factor-1 serum levels? A clinical and laboratory study on patients with acne vulgaris.*** In collegamento su Teams.

16:00. **Ilaria Zanichelli** (UO Medicina Interna e Lungodegenza Critica). ***Clinical characteristics and trends of 1264 patients admitted to Parma University-Hospital for COVID-19 during the first pandemic wave: focus on older subjects.***

16:15. **Serena Bricoli** (UOC Cardiologia). ***Personalised prediction of sudden cardiac death after myocardial infarction.***

16:30. **Michelangelo Craca** (UO Trauma). ***Early trauma mortality: autoptic injury evaluation and cause of death.***

CLINICAL SCIENCE 2

Moderatori: **Livia Ruffini** (Medicina Nucleare), **Antonio Freyrie** (Chirurgia Vascolare), **Maria Majori** (Pneumologia e Subintensiva Respiratoria)

16:45. **Sara Dagoli** (Medicina Legale/Tossicologia Forense). ***New psychoactive substances: between research and hospital reality.***

17:00. **Chiara Maccari** (Tossicologia Industriale). ***Study of the relationship between air pollution contaminants and oxidative stress: role of biomarkers of effects***

17:15. **Chiara Petrolini** (Clinica Neonatologica e Pediatrica). ***COVID-19 in pregnancy: placental patterns and effect on perinatal outcome.***

17:30. **Alessandro Lisco** (UO Psichiatria). ***tDCS effects on emotion regulation in social contexts in patients with borderline personality disorder.***

17:45. **Enrico de Luca** (Psicologia e Health Care). ***Spirituality- related meanings of health professionals working in emergency settings. A systematic review of qualitative studies***

18:00-21:00: Apericena, Best Oral and Poster Presentation Awards, Discussion, fun and more...



Il Comitato Organizzatore ringrazia l'Associazione "Augusto per la Vita" per il supporto fornito nella realizzazione dell'evento.