



UNIMORE Molecular and
UNIVERSITÀ DEGLI STUDI DI Regenerative Medicine
MODENA E REGGIO EMILIA

PhD Day 2022

Wednesday, 19 October 2022

Program

Session I: Oral Presentation XXXV Cycle

Chairs: Prof. Silvio Biciato, Prof. Gianluca Carnevale, Prof. Francesca Fanelli, Prof. Rossella Manfredini, Prof. Valeria Marigo, Prof. Anna Vittoria Mattioli

14.30-14.42 Dr. Luca Calderoni (tutor Prof. Mattia Forcato), “Reconstruction of Dynamic Trajectories from the Differentiation Potency of Single Cells”.

14.42-14.54 Dr. Camilla Cattaneo (tutor Prof. Michele De Luca), “Allele-specific gene editing approach for the treatment of a dominant form of Epidermolysis Bullosa Simplex”.

14.54-15.06 Dr. Federica Consiglio (tutor Prof. Michele De Luca), “A combined cell and gene therapy approach for the treatment of Recessive Dystrophic Epidermolysis Bullosa”.

15.06-15.18 Dr. Martina Gatti (tutor Prof. Carla Palumbo – Co-tutor Dott. T. Maraldi), “Role of exosomes derived from Amniotic Fluid Stem Cells in counteracting age-related disorders”.

15.18-15.30 Dr. Pamela Allison Manco Urbina (tutor Prof. Carlo Augusto Bortolotti), “Detection of healthy aging biomarkers with organic electronics”.

15.30-15.42 Dr. Ivanna Nesteruk (tutor Prof. Michele De Luca), “Development of γ -retroviral gene therapy approach for the treatment of COLXVII-dependent Junctional Epidermolysis Bullosa”.

15.42 -15.54 Dr. Maria Pia Polito (tutor Prof. Michele De Luca), “Molecular characterization of epidermal stem cells for cell and gene therapy applications”.

Session II: Oral Presentation XXXV Cycle and XXXIV

Chairs: Prof. Jessika Bertacchini, Prof. Michele De Luca, Prof. Mattia Forcato, Prof. Giulia Grisendi, Prof. Alessandra Recchia

14.30-14.42 Dr. Chiara Carretta (tutor Prof. Rossella Manfredini), “Early detection of leukemic clones in MPN patients through single-cell genomic analysis”.

14.42-14.54 Dr. Giulia Galaverni (tutor Prof. Graziella Pellegrini), “Turbines reconstruction through a tissue-engineering approach”.

14.54-15.06 Dr. Francesco Grandi (tutor Prof. Silvio Biciato), “Computational methods to reconstruct intra-cellular interactions from single cell RNA-seq data”.

15.06-15.18 Dr. Maria Benedetta Rizzarda Maffezzoni (tutor Prof. Graziella Pellegrini), “Keratinocytes Characterization between tradition and innovation”.

15.18-15.30 Dr. Alessia Merra (tutor Prof. Graziella Pellegrini), “Human corneal endothelial cell expansion on a biological scaffold”.

15.30-15.42 Dr. Stefano Sartini (tutor Prof. Rossella Manfredini), “Circulating lncRNAs as potential prognostic biomarkers for myelofibrosis”.

15.42-16.12 Dr. Andrea Spallanzani (tutor Prof. Massimo Dominici), “Combination of standard chemotherapy and gene therapy in locally advanced pancreatic cancer: towards the clinical settings”.

Session III: Oral Presentation XXXVI Cycle

Chairs: Prof. Carlo Augusto Bortolotti, Prof. Lorena Losi, Prof. Mario Luppi, Prof. Roberto Marasca, Prof. Graziella Pellegrini, Prof. Patrizia Tarugi

14.30-14.42 Dr. Alessio Conci (tutor Prof. Michele De Luca), “Allele-specific CRISPR-engineered Cpf1 genome editing to treat ocular surface disorder in EEC syndrome”.

14.42-14.54 Dr. Rosanna Di Tinco (tutor Prof. Gianluca Carnevale), “Study of immunomodulatory properties of human dental pulp stem cells targeting inflammation in autoimmune diseases”.

14.54-15.06 Dr. Alessandra Fabrizi (tutor Prof. Michele De Luca), “Towards personalized allele-specific CRISPR gene editing to treat autosomal dominant disorders”.

15.06-15.18 Dr. Grazia Marini (tutor Prof. Michele De Luca), “From TAC to KSC: towards an intra-lineage reprogramming”.

15.18-15.30 Dr. Margherita Mirabile (tutor Prof. Rossella Manfredini), “CD44, cellular migration and extramedullary hematopoiesis in Myelofibrosis”.

15.30-15.42 Dr. Virginia Stanzani (tutor Prof. Carla Palumbo), “Testing the angiogenic potential of 3D printed scaffolds in ovo: an ethical, economical and eco-friendly solution for critical-size bone defects”.

15.42 -15.54 Dr. Lara Tavernari (tutor Prof. Rossella Manfredini), “Study of T cell exhaustion in Myeloproliferative neoplasms”.

15.54 -16.06 Dr. Giada Zanini (tutor Prof. Anna Vittoria Mattioli), “Role of mitochondrial Lonp1 in the regulation of mitophagy”.

Session IV: Oral Presentation XXXVII Cycle

Chairs: Prof. Elisa Bianchi, Prof. Federica Boraldi, Prof. Carol Imbriano, Prof. Fulvio Mavilio, Prof. Carla Palumbo, Prof. Antonello Pietrangelo

14.30-14.42 Dr. Elisa Adani (tutor Prof. Valeria Marigo), “Contribution of metabolic dysregulations to photoreceptor cell death in Retinal Degeneration”.

14.42-14.54 Dr. Eleonora Cattin (tutor Prof. Alessandra Recchia), “Cytidine base editing strategy to correct a mutation in EMD gene causing type I Emery Dreifuss muscular dystrophy (EDMD1)”.

14.54-15.06 Dr. Sara Gentile (tutor Prof. Francesca Fanelli), “psnGPCRdb - the structure-network database of G Protein Coupled Receptors”.

15.06-15.18 Dr. Michael Giovanardi (tutor Prof. Graziella Pellegrini), “Raman Spectroscopy for IPCS”.

15.30-15.42 Dr. Matteo Marchionni (tutor Prof. Mattia Forcato), “Computational methods for the characterization of cell populations from single cell RNA-seq data”.

15.42 -15.54 Dr. Valentina Selleri (tutor Prof. Anna Vittoria Mattioli), “Telemedicine for the Elderly”.

16.15-17.30

PhD board meeting