



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

PhD Day 2023
Wednesday, 25 October 2023
Microsoft Teams: tge4lfx

Program

Session I: Oral Presentation XXXV Cycle

Chairs: PhD Board

14.30-15.00 Dr. Maria Benedetta Rizzarda Maffezzoni (tutor Prof. Graziella Pellegrini), “Epithelial Cells Characterisation by Spectroscopic Analysis”.

15.00-15.30 Dr. Pamela Allison Manco Urbina (tutor Prof. Carlo Augusto Bortolotti), “Detection of Aging Biomarkers with Organic Electronics”.

Session II: Oral Presentation XXXVI Cycle

Chairs: Prof. Carlo Augusto Bortolotti, Prof. Lorena Losi, Prof. Mario Luppi, Prof. Roberto Marasca, Prof. Graziella Pellegrini, Prof. Alessandra Recchia, Prof. Silvio Bicciato, Prof. Carol Imbriano, Prof. Fulvio Mavilio

15.30-15.40 Dr. Alessio Conci (tutor Prof. Michele De Luca), “Allele-specific CRISPR-engineered Cpf1 genome editing to treat ocular surface disorder in EEC syndrome”.

15.40-15.50 Dr. Rosanna Di Tinco (tutor Prof. Gianluca Carnevale), “Study of immunomodulatory properties of human dental pulp stem cells targeting inflammation in autoimmune diseases”.

15.50-16.00 Dr. Alessandra Fabrizi (tutor Prof. Michele De Luca), “He-RASE: a fast cellular model to screen engineered CRISPR/Cas systems editing for dominant mutations”.

16.00-16.10 Dr. Grazia Marini (tutor Prof. Michele De Luca), “From TAC to KSC: a better understanding towards an intra-lineage reprogramming”.

16.10-16.20 Dr. Margherita Mirabile (tutor Prof. Rossella Manfredini), “CD44, cellular migration and extramedullary hematopoiesis in Myelofibrosis”.

16.20-16.30 Dr. Virginia Stanzani (tutor Prof. Carla Palumbo), “Unraveling the angiogenic potential of innovative osteogenic scaffolds for bone tissue engineering”.

16.30-16.40 Dr. Lara Tavernari (tutor Prof. Rossella Manfredini), “Study of T cell exhaustion in Myeloproliferative neoplasms”.

16.40-16.50 Dr. Giada Zanini (tutor Prof. Anna Vittoria Mattioli), “Role of mitochondrial protease Lonp1 in the regulation of mitophagy”.

Session III: Oral Presentation XXXVII Cycle

Chairs: Prof. Elisa Bianchi, Prof. Federica Boraldi, Prof. Antonello Pietrangelo, Prof. Gianluca Carnevale, Prof. Rossella Manfredini, Prof. Elena Enzo, Prof. Anna Vittoria Mattioli, Prof. Carla Palumbo

15.30-15.40 Dr. Elisa Adani (tutor Prof. Valeria Marigo), “Contribution of metabolic dysregulations to photoreceptor cell death in Retinal Degeneration”.

15.40-15.50 Dr. Eleonora Cattin (tutor Prof. Alessandra Recchia), “CRISPR/Cas9-based genome editing for correction of X-linked Emery Dreifuss Muscular Dystrophy (EDMD1)”.

15.50-16.00 Dr. Sara Gentile (tutor Prof. Francesca Fanelli), “psnGPCRdb - the structure-network database of G Protein Coupled Receptors”.

16.10-16.20 Dr. Michael Giovanardi (tutor Prof. Graziella Pellegrini), “Evaluation of automated in-process controls for quality monitoring of ATMPs”.

16.20-16.30 Dr. Matteo Marchionni (tutor Prof. Mattia Forcato), “Computational methods for the characterization of cell populations from single cell RNA-seq data”.

16.30-16.40 Dr. Valentina Selleri (tutor Prof. Anna Vittoria Mattioli), “Telemedicine for health status monitoring and correlation with the inflammatory state”.

Session IV: Oral Presentation XXXVIII Cycle

Chairs: Prof. Daniela Quaglino, Prof. Francesca Chiarini, Prof. Ruggiero Norfo, Prof. Elena Corradini, Prof. Mattia Forcato, Prof. Jessika Bertacchini, Prof. Michele De Luca, Prof. Francesca Fanelli, Prof. Valeria Marigo

15.30-15.40 Dr. Matteo Bertesi (tutor Prof. Rossella Manfredini), “Dissecting the role of Clonal Hematopoiesis in triggering Myeloproliferative Neoplasms onset”.

15.40-15.50 Dr. Virginia Campani (tutor Prof. Carol Imbriano), “Interplay between tumor microenvironment and partial EMT as NF- κ B-regulated mechanism in colon cancer aggressiveness”.

15.50-16.00 Dr. Matteo Corradini (tutor Prof. Carla Palumbo), “PLC pathways in cytoskeleton of human osteoblast/osteosarcoma cell and putative Ezrin correlation”.

16.10-16.20 Dr. Tommaso Ferrari (tutor Prof. Alessandra Recchia), “Cell line engineering to improve the recombinant adeno-associated virus (rAAV) production”.

16.20-16.30 Dr. Francesca Pedrazzi (tutor Prof. Elisa Bianchi), “Mechanisms responsible for the deranged production of proinflammatory and profibrotic mediators in myelofibrosis”.

16.30-16.40 Dr. Silvia Zacchino (tutor Prof. Michele De Luca), “Development of a high-efficiency Col17A1 gene editing strategy by homology-directed repair in human primary epidermal stem cells”.

17.00-17.30

PhD board meeting