



UNIVERSITY OF TURIN

PhD in
Experimental Medicine and Therapy

Annual Scientific Progress Report

**Thursday, September 22nd, 2022 – Aula Seminari
San Luigi Gonzaga University Hospital at Orbassano (Torino)**

09.30 – 9.45 ***Welcome by the coordinator Prof. Pasquale Pagliaro***

XXXV Cycle - Oral presentations (10+5 min)

9.45 – 10.00 **Alessandro Crosio**

- *Preclinical approach to erectile dysfunction due to nerve injury: nerve reconstruction by means of chitosan membrane and nerve transfer.*

10.00 – 10.15 **Lorena Garcia Castillo**

- *Medium-chain triglycerides as a nutritional supplementation against cancer- associated cachexia.*

10.15 – 10.30 **Francesca Malandrone**

- *Neurobiological and autonomic evaluation of emotional processing Depression and Post-Traumatic Stress Disorder.*

10.30 - 11.15 **Invited Lecture:**

Exosomes - a promising therapeutic agent for myocardial infarction

Prof. Sean Davidson

UCL - University College London

11.15 – 11.30 ***Break***

11.30 – 11.45 **Alessandra Manca**

- *Cannabis and methodological aspects in mass spectrometry: clinical applications.*

11.45 – 12.00 **Stefano Pidello**

- *Molecular biology, pharmacology, pharmacogenetics and experimental therapy of cardiovascular and metabolic diseases.*

12.00 – 12.15 **Francesca Protopapa**

- *Studies of the effect of 1-Piperidine Propionic Acid (1-PPA) in experimental NAFLD.*



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12.15 – 14.15 Formal poster viewing by the teaching staff

XXXVII Cycle

Elisa Arrigo *Clinical, functional, and biological characterization of neutrophilic asthma phenotype and endotypes*

Valentina Bonuomo *CircRNA in patients with Chronic Myeloid Leukemia: identification of new prognostic factors for resistance and successful treatment free remission*

Cecilia Boretto *Role of autophagy in tamoxifen resistance in breast cancer cells*

Matteo Costantino *Antiviral activity assessment of a panel of 27-hydroxycholesterol derivatives against herpes simplex virus type 2*

Lucia Dansero *Investigating the etiology of multimorbidity: a case study on the association of chronic kidney disease and cardiovascular disease in a cohort of 2.8 million people in Piedmont*

Giulia Francescato *Non-coding RNA markers in stool samples for a precision medicine approach: a study on colorectal cancer onset and progression*

Federica Geddo *Novel protective strategies with plant-derived bioactive metabolites against metabolic syndrome*

Beatrice Maffeo *NF- κ B positively regulates Fatty Acid Oxidation in cancer cells, which hinders CD8+ T lymphocytes and promotes tumor progression*

Pierre Gilbert Rossini *The neural, autonomic and clinical signature of dissociative states in Eating Disorders*

Alessandro Tortarolo *A multidisciplinary approach to malocclusions: mastication, posture, cognition and novel 3D diagnostic imaging*

Free time for lunch

14.15 – 14.30 Giulia Sibille

- *Targeting viruses using a novel hDHODH inhibitor.*

14.30 – 14.45 Valeria Vasciaveo

- *Sleep fragmentation accelerates dementia in transgenic 5xFAD AD mice model inducing astrogliosis and affecting glymphatic system.*

14.45 – 15.00 Luca Vismara

- *Tele-medicine, tele-monitoring and tele-rehabilitation in hemiplegic patients. Comparative study between RGB-D sensor and optoelectronic system.*

15.00-16.30 XXXVI Cycle - Oral presentations (8+2 min) 80 minute

Aimaretti Eleonora *The potential role of a novel nutraceutical approach in counteracting Advanced Glycation End products harmful effects in a murine model of metabolic derangement*



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Allois Ruben *Ischemic Pre-Conditioning counteracts fatigue development in intermittent isometric elbow flexions*

Arduino Irene *Peptide A-3302-B Isolated from a Marine Bacterium Micromonospora sp. Blocks Herpes Simplex Virus type 2 Egress from Host Cells*

Catalano Alberto *Analysis of the first three waves of COVID-19: results on 4 million inhabitants of the Piedmont region*

Fornelli Claudia *The epigenetic regulator JQ1 targets fat metabolism and counteracts diet-induced obesity*

Spahiu Orges *Radiotherapy, trismus and masticatory function in H&N cancer patients: Clinical, QoL and dosimetric evaluation*

Sutera Samuele *Role of Microenvironment in Oral Carcinogenesis*

Abroad for research - authorized absence

Rashid Anas XXXV cycle

- *Cerebrovascular Reactivity During Visual Stimulation: Does Hypnotizability Matter?*

Martina Schiavello XXXV cycle

- *Investigation of circulating biomarkers in septic shock patients: extracellular vesicles and microRNA.*

Mattia Giovanni Carlo Trunfio XXXVI cycle

- *Combining Pharmacological and Immunological Cellular Biomarkers to Identify HIV-positive Patients Suitable for Functional Cure: A Novel Integrated Approach*

Zen Federica XXXVI cycle

- *The role of vascularization in the peripheral nerve regeneration*

16.30

Doctoral Course Council