



UNIVERSITY OF TURIN

PhD in
Experimental Medicine and Therapy

Annual Scientific Progress Report

September 22nd, 2023 – Aula Seminari
San Luigi Gonzaga University Hospital at Orbassano (Torino)

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

XXXVI Cycle - Oral presentations (10+5 min)

9.45 – 10.00 **Eleonora Aimaretti**

- *An in vivo study of the response to a diet enriched in fats and sugars in advanced glycated end products accumulation and mitochondrial involvement: a potential role for the STING protein*

10.00 – 10.15 **Ruben Allois**

- *Assessing the peripheral effect of ischemic preconditioning by means of electrically-stimulated contraction of the adductor pollicis*

10.15 – 10.30 **Alberto Catalano**

- The mediation role of NEWS Score in the association between multimorbidity and COVID-19-related outcomes

10.30 - 11.15 **Invited Lecture:**

Heart-brain coupling and its role for perception, action, and emotion

Prof. Michael Gaebler

Head of the Mind-Body-Emotion group
*Department of Neurology, Max Planck Institute for Human Cognitive and Brain Sciences,
Germany University*

11.15 – 11.30 ***Break***

10.30 – 10.45 **Orges Spahiu**



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

11.45 – 12.00 **Samuele Sutera**

- *Role of Microenvironment in Oral Carcinogenesis*

12.00 – 12.15 **Federica Zen**

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

12.15 – 13.00 XXXVIII Cycle - Formal posters viewing by the teaching staff

Francesco Franco *Salivary Biomarkers Discovery: The Power of Proteomics*

Magali Giordano *Novel NLRP3 inflammasome inhibitors INF150 and INF195 attenuate isoproterenol-induced hypertrophy in H9c2 rat cardiac myoblast*

Eillyn Claudeth Leiva Ramirez *Study of the influence of malocclusions and chewing on memory and cognitive activity during development*

Stefano Levra *Impaired autophagy in the lower airways and lung parenchyma of patients with stable Chronic Obstructive Pulmonary Disease*

Luca Manfredi *Association between socioeconomic position and multimorbidity in the EPIC study*

Giulia Morello *Fasting-mimicking diet as a potential strategy to prevent and slow down AD pathogenesis*

Chiara Rubeo *Gas-Loaded Nanocarriers to Improve Cardioprotection by Cardioplegic Solution*

Giacomo Rubini *Improving cancer cachexia by immunomodulation*

Cristina Tucciarello *Identification of innovative therapeutic targets in preclinical models of rare and ultra-rare tumors: cholangiocarcinoma, sarcoma and adrenocortical carcinoma*

13.00-13.45 PhD Students Networking

13.45 – 14.30

Free time for lunch

14.30-16.10 XXXVII Cycle - Oral presentations (8+2 min) 100 minutes

Elisa Arrigo

Clinical, functional, and biological characterization of neutrophilic asthma phenotype and endotypes

Valentina Bonuomo



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

Cecilia Boretto

Tamoxifen triggers the nuclear relocation of TFEB in breast cancer cells by modulating intracellular Ca²⁺ availability

Matteo Costantino

Identification of oxysterol synthetic analogs as a novel class of late-stage inhibitors of herpes simplex virus 2 replication

Lucia Dansero

Cumulative Effects of Socioeconomic Position, Cardiovascular Disease, and Chronic Kidney Disease on Mortality and Emergency Room Visits: A Syndemic Approach

Giulia Francescato

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

Federica Geddo

Diet-derived compounds in the context of endothelial dysfunction: an in vitro study

Beatrice Maffeo

UBE2O deficiency as a mechanism of ineffective erythropoiesis in myelodysplastic syndromes

Pierre Gilbert Rossini

The Neural, Autonomic and Clinical signature of dissociative states in Anorexia Nervosa

Alessandro Tortarolo

A multidisciplinary approach to malocclusions: mastication, posture, cognition and diagnostic imaging

Abroad for research - authorized absence

Irene Arduino 36° cycle

Broad-spectrum antiviral activity of polyoxometalate Ti₂PW₁₀ against respiratory viruses

Claudia Fornelli

The BET inhibitor JQ1 targets fat metabolism and counteracts obesity Title

Mattia Giovanni Carlo Trunfio 36° cycle

Distinct effects of SSRIs and SNRIs on Soluble Biomarkers in Blood and Cerebrospinal Fluid of people with HIV

Lucia Dansero 37° cycle

Cumulative Effects of Socioeconomic Position, Cardiovascular Disease, and Chronic Kidney Disease on Mortality and Emergency Room Visits: A Syndemic Approach



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16.30

Doctoral Course Council