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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter</th>
<th>Title</th>
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<tr>
<td>09.30 – 9.45</td>
<td>Welcome by the coordinator Prof. Pasquale Pagliaro</td>
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<tr>
<td>9.45 – 10.00</td>
<td>XXXV Cycle - Oral presentations (10+5 min)</td>
<td>Alessandro Crosio</td>
<td>Preclinical approach to erectile dysfunction due to nerve injury: nerve reconstruction by means of chitosan membrane and nerve transfer.</td>
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<tr>
<td>10.00 – 10.15</td>
<td></td>
<td>Lorena Garcia Castillo</td>
<td>Medium-chain triglycerides as a nutritional supplementation against cancer-associated cachexia.</td>
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<td>10.15 – 10.30</td>
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<td>Francesca Malandrone</td>
<td>Neurobiological and autonomic evaluation of emotional processing Depression and Post-Traumatic Stress Disorder.</td>
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<tr>
<td>10.30 - 11.15</td>
<td>Invited Lecture:</td>
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<td>Exosomes - a promising therapeutic agent for myocardial infarction</td>
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<td>11.15 – 11.30</td>
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<td>Prof. Sean Davidson</td>
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<tr>
<td>11.30 – 11.45</td>
<td></td>
<td>Alessandra Manca</td>
<td>Cannabis and methodological aspects in mass spectrometry: clinical applications.</td>
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<td>11.45 – 12.00</td>
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<td>Stefano Pidello</td>
<td>Molecular biology, pharmacology, pharmacogenetics and experimental therapy of cardiovascular and metabolic diseases.</td>
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<tr>
<td>12.00 – 12.15</td>
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<td>Francesca Protopapa</td>
<td>Studies of the effect of 1-Piperidine Propionic Acid (1-PPA) in experimental NAFLD.</td>
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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-kB 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*

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**Free time for lunch**

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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.*

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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