

13th Annual Meeting of Young Researchers In Physiology

Hotel S. Michele - Villa Orlandi, Anacapri, NA

10-12 May 2019

FINAL PROGRAM

10th May 2019 - Hotel S. Michele

12.00 - 14.30 Registration of Participants

14.45 – 15.00 Opening Ceremony

15.00 - 16.30 Oral Communications 1: NUTRITION AND METABOLISM

- **Flavor perception and BMI: a novel link potentially associated with increased body weight.** *Immacolata Cristina Nettore, Università "Federico II", Naples*
- **Body composition and hydration status in obese oncologic females** *Federica Cantelli, Università "Federico II", Naples*
- **Sarcopenia in chronic kidney disease** *Teresa Di Lauro: Università "Federico II", Naples*
- **Omega 3 fatty acids effects on endoplasmic reticulum stress and apoptosis prevention: a possible role for mitofusin 2.** *Ilaria Di Gregorio Università di Salerno, Salerno*
- **Flavor and taste perception in Chronic Kidney Disease patients** *Elisabetta Salomone, Università "Federico II", Naples*

16.30 -17.15 Keynote lecture I - **Prof. Fiorenzo Conti: Science and Phylosophy: Where we are**

17.15 - 18.00 Open Questions - **Prof. Maria Marino: Young Researcher in Physiology: the balance between vocation and career**

18.30 Welcome Cocktail

11th May 2019 - Villa Orlandi

09.00 - 09.45 Keynote lecture II - **Prof. Roberto Bottinelli: Skeletal muscle plasticity: cellular and molecular adaptations to ageing and disuse**

09.45 - 11.00 Oral Communications 2: **ENDOCRINE AND CELLULAR PHYSIOLOGY**

- **The gut and liver metabolites of the isoflavonoid daidzein differently affect estrogen-induced cell survival.** *Emiliano Montalesi, Roma Tre, Rome*
- **Thyroid hormones as modulators of immune responses in cells in culture.** *Fabio Gionfra Roma Tre, Rome*
- **The Thyroid Hormone activating enzyme, Type 2 deiodinase, increases myogenic differentiation by regulating mitochondrial metabolism and reducing oxidative stress.** *Emery Di Cicco, Università "Federico II", Naples*
- **Effects of mechanotransduction on β -cell differentiation and function in human islets of Langerhans.** *Alessandra Galli, Università di Milano, Milan*
- **Effects of environmental pollutants in culture hepatocytes: focus on mitochondria and endoplasmic reticulum.** *Vincenzo Migliaccio, Università di Salerno, Salerno*

11.00 -11.30 Coffee break

11.30 – 13.00 Oral Communications 3: **CARDIOVASCULAR AND CELLULAR PHYSIOLOGY**

- **Retinoic acid-induced atrial differentiation of hiPS-cardiomyocytes for studying *PITX2*-dependent atrial fibrillation.** *Federica Giannetti Università di Milano, Milan*
- **Phoenixin14 induces cardioprotection as post-conditioning agent in rats with high-fat diet induced obesity** *Granieri MC Università della Calabria, Cosenza*
- **The role of Selenoprotein T in the cardiac adaptation to hypoxia: the goldfish *Carassius auratus* as a model.** *Serena Leo, Università della Calabria, Cosenza*
- **Loss of dystrophin alters calcium-handling maturation in response to microenvironment in hiPSC-cardiomyocytes from Duchenne Muscular Dystrophy patients.** *Silvia Querceto, Università di Firenze, Florence*
- **Functional characterization of partial and complete transport cycle of the newly cloned Atlantic salmon (*Salmo salar*) PepT2 (Slc15a2) di/tripeptide transporter** *Francesca Vacca Università dell'Insubria, Varese*

13.00 – 14.30 Lunch

14.30 - 16.00 Oral Communications 4: **NEUROSCIENCE**

- **Establishing the turquoise killifish *Nothobranchius furzeri* as a model for neurodegeneration.** *Sara Bagnoli, Scuola Normale Superiore, Pisa*
- **Oligomeric amyloid-beta peptide at picomolar concentrations increases neurotransmitter release through nicotinic acetylcholine receptors** *Walter Gulisano, Università di Catania, Catania*
- **5-hydroxytryptamine inhibits oligodendrocyte migration and proliferation via PLC/PKC α /NOX pathway** *Giuliana La Rosa, Università "Federico II" Naples*
- **Role of Beta-3 adrenergic receptor in cerebellar synaptic plasticity** *Pellegrino Lippiello, Università "Federico II", Naples*
- **Oligomeric amyloid-beta peptide at picomolar concentrations converts early-LTP into late-LTP, and short-term into long-term memory through the NO/cGMP/PKG/CREB pathway** *Maria Rosaria Tropea Università di Catania, Catania*

16.00– 16.45 Open Questions – **Prof. Cristina Limatola: The Italian College of Physiology**

16.45 -17.15 Coffee break

17.15 – 19.15 Oral Communications 5: **MUSCLE, LUNG AND PHYSICAL TRAINING**

- **A myosin II nanomachine mimicking the striated muscle** *Giulio Bianchi Università di Firenze, Florence*
- **Training specificity in elderly: new perspectives from Bottom-Up Rise Strength Transfer (BURST) and redox homeostasis** *Daniilo Bondi Università "G. d'Annunzio", Chieti*
- **Role of titin in muscle contraction** *Caterina Squarci Università di Firenze, Florence*
- **Cardiac output kinetics at exercise onset in supine and upright position** *Anna Taboni University of Geneva, Geneva*
- **The power-duration relationship in a multistage bicycle race** *Giovanni Vinetti Università di Brescia, Brescia*

- **Differential activity of AIM2 inflammasome in physiological and pathological conditions: its role in Chronic Obstructive Pulmonary Disease (COPD).** *Michela Terlizzi*
Università of Salerno, Salerno

20.00 Dinner

12th May 2019 - Villa Orlandi

8.30 – 11.30 Meeting of SIF Board of Directors

11.45 - 12.30 Keynote lecture III - **Prof. Egidio D'Angelo: Multiscale investigation and modeling of the cerebellar circuit**

12.30 - 13.15 Keynote lecture IV - **Prof. Alberto Battezzati: The changing relationship between the food environment and the nutritional phenotype**

13.15 – 14.00 Prize Awarding Ceremony – Closure of session