

## **Dr. Tommaso Pellegrino Curriculum Vitae et Studiorum**

*Surname and Name: **Pellegrino Tommaso***

*Place and date of birth: **Trani (BT), Italy - Jan 30, 1989***

*e-mail: **tommaso.pellegrino89@hotmail.com***

### **EDUCATION AND RESEARCH EXPERIENCE**

25/03/2014: Bachelor Degree in Biological Sciences – University of Bari “Aldo Moro”, Italy. Thesis title: “Phenotypic expression of blood groups in the human genders” (100/110);

27/07/2016: Master Degree in Biological Sciences - University of Bari “Aldo Moro”, Italy. Thesis title: “Gain-of-function mutations in the vasopressin type 2 receptor causing Nephrogenic Syndrome of Inappropriate Antidiuresis (NSIAD) and effects on AQP2 trafficking.” (110/110);

### **SUPERVISING ACTIVITY**

Assistant supervisor for laboratory work.

### **LABORATORY AND TECHNICAL EXPERIENCE ACQUIRED (as documented in Publications)**

- FRET and Video-imaging techniques to study regulation of second messengers (measurements of intracellular cAMP in single cells), protein-protein or membrane-protein interactions, osmotic water permeability, using fluorophores, Calcein AM and GFP- proteic probes;
- Cellular cultures: stabilized;
- Transfection techniques;
- Immunofluorescence techniques and confocal analysis;
- Statistic and images analysis with specific softwares;
- Protein assay (pull-down assay, surface biotinylation);
- Western blotting;
- Gel electrophoresis (SDS-PAGE);
- Chromatographic techniques (for antibodies purification and affinity chromatography);
- Microbiological techniques.

### **PUBLICATIONS (Full Papers)**

**(1 full papers, total impact factor: 5.128)**

**1)** Signorile A, Santeramo A, Tamma G, Pellegrino T, D'oria S, Lattanzio P, De rasmo D (2016) Mitochondrial cAMP prevents apoptosis modulating Sirt3 protein level and OPA1 processing in cardiac myoblast cells. BBA - MOLECULAR CELL RESEARCH 2016. ISSN: 0167-4889; IF: 5.128;

### **ABSTRACTS AND PARTICIPATIONS TO NATIONAL AND INTERNATIONAL MEETINGS**

Ranieri M, Tamma G, Pellegrino T, Valenti G And Cotecchia S.

Gain-of-function mutations in the vasopressin type 2 receptor causing Nephrogenic Syndrome of

Inappropriate Antidiuresis (NSIAD): evidence for vasopressin-independent increase in AQP2 trafficking and osmotic water permeability. ASN Chicago 15 Novembre 2016.

Ranieri M, Tamma G, Pellegrino T, Valenti G And Cotecchia S.

Nephrogenic syndrome of inappropriate antidiuresis (NSIAD) secondary to an activating mutation in the vasopressin type 2 receptor: evidence for vasopressin-independent increase in AQP2 trafficking and osmotic permeability. SIF BARI 10-11 OTTOBRE 2016.