




PERSONAL INFORMATION

Lea Tunisi



 [Redacted]
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Sex Female | [Redacted] Nationality Italian

POSITION PhD in Veterinary Sciences - Federico II University of Naples

WORK EXPERIENCE

01/02/2017-30/04/2020 **PhD Student in Veterinary Sciences**
 University of Naples, Federico II, in collaboration with ICB - Institute of Biomolecular Chemistry , CNR Pozzuoli (NA)
 Research project in "Animal models of neurodegeneration"

01/04/2016 –31/12/2016 **Internship post- lauream**
 ICB - Institute of Institute of Biomolecular Chemistry , CNR Pozzuoli (NA)
 Winner of the scholarship funded by Federico II University of Naples

01/04/2014 – 23/03/2016 **Curriculum internship for the elaboration of the Experimental Thesis of the Master Degree**
 Department of Experimental Medicine, Section of Pharmacology "L. Donatelli ", Second University of Naples

 Trainee at Cell Pharmacy Laboratory, in vivo and in vitro techniques (Immunofluorescence, In vivo microdialysis on rats and mice)

01/01/ 2013 – 30/05/2013 **Curriculum internship for the elaboration of the Experimental Thesis of the Three Year Degree**
 Department of Experimental Medicine, Section of Pharmacology "L. Donatelli ", Second University of Naples

 Trainee at Laboratory of Behavioral Testing on Mice

EDUCATION AND TRAINING

23/03/2016 **Master's Degree in Biological Sciences - Molecular Diagnostic Address (LM-6), with 110/110 votes and praise.**
Master's thesis in Neurobiology, entitled "Importance of microglial cells in the pathogenesis of neurodegenerative diseases: identification of the dystrophic phenotype in a murine early senescence "

 University of Naples Federico II



30/05/2013 Bachelor's Degree in Biological Sciences, with 110/110 votes and praise.
Thesis in Neurobiology, entitled: "Antipergesic effect of N-Palmitoyl-Vanillamide, capsaicin analogue, in inflammatory pain patterns in the mouse"

University of Naples Federico II

12/07/2007 Scientific Maturity, with a vote of 96/100

High School " Pier Paolo Pasolini" Potenza (PZ)

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | B2 | B2 | B1 | B1 | B1 |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills Good relational skills with other staff members

Organisational / managerial skills Management and organization of cell culture laboratory.
Capacity of planning, organization and realization of work.
Integration in team working and fully available to collaborate with other colleagues

Job-related skills In vivo microdialysis, behavioral tests on mice: forced swimming test, tail suspension test, wire hang test, three chambers social interaction test, y-maze test, novel object recognition test, hot plate test, marble burying test, formalin test, eye-wiping test.

Cell culture: POMC, microglia, astrocytes, stem cells, primary cultures of neurons

Extraction and quantification of proteins and DNA

Eletrophoresis, Western Blot, ELISA, Immunoprecipitation, PCR

Histology techniques: transcardially perfusion, cryostat, microtome, immunochemistry and immunofluorescence on cells and tissue

Microscopy: optical and electronic

Digital competence Great knowledge of Office suite

Driving licence B

ADDITIONAL INFORMATION



Courses and Certifications

- 05/2018 Fundraising and attraction of private investment
Provided by Tigem-Telethon Institute of Genetics and Medicine in Naples, Italy
- 09/2018 "Metodiche e tecnologie per la preparazione del campione istologico nella ricerca biomedical"
Provided by Tigem-Telethon Institute of Genetics and Medicine in Naples, Italy
- 12/07/2016 Multimedial course of training in laboratory's safety: chemical and carcinogenic agents; biological risk.
Provided by ICB - Institute of Institute of Biomolecular Chemistry , CNR Pozzuoli (NA)
- 08/07/2016 Qualifying examination to Biologist Profession, section A
- 18-19/06/2015 Monothematic convention "Advances in pain research: pathophysiology and new therapeutic strategies" provided by SIF

Presentations and congresses

- 28-30/10/2019 3rd International Conference of the Joint International Research Unit (JIRU)
The gut microbiome: impact of the diet and dietary components, new investigational approaches, and role in the control of metabolic and mental health
Poster "The short-chain fatty acid acetate reduces orexin/hypocretin neuronal activity possible implication in the hypothalamic regulation of energy homeostasis and appetite"
Sorrento
- 01/03/2019 SINS - New Perspectives in Neuroscience: Research Results of Young Italian Neuroscientists
Talk "Intestinal epithelial barrier impairment and microglial activation induced by lipopolysaccharide: a new protective role for orexin-A"
Aula Magna Partenope "Federico II" University of Naples, Congress Center, Naples
- 13/12/2018 VIII Meeting NBG
Talk "Orexin-A prevents LPS-induced neuroinflammation at the level of the gut-brain axis"
Stazione Zoologica Anton Dohrn, Napoli
- 23/02/2019 SINS - New Perspectives in Neuroscience: Research Results of Young Italian Neuroscientists
Aula Magna Partenope "Federico II" University of Naples, Congress Center, Naples
- 14/12/2017 VI meeting NBG
Talk "Orexin-A enhances dopaminergic signaling in the brain of obese mice"
Stazione Zoologica Anton Dohrn, Napoli
- 14-22/09/2017 IBRO-Kemali/MNS Mediterranean School in Neuroscience
Poster "Orexin/endocannabinoid/leptin interaction affects hypothalamic tau phosphorylation by glycogen synthase kinase-3beta activation"
Faculty of Sciences – Mohammed V University, Rabat, Morocco
- 09/06/2017 Zebrafish and other aquatic models in Mediterranean Labs
Via Tommaso De Amicis - Naples
- 25-26/05/2017 XI Congresso Nazionale AMV.,.
Talk "Trafficking and release of Orexin-A are increased in the LH target areas of the brain in obese mice"
Accademia Nazionale dei Lincei – Rome
- 24/02/2017 SINS - New Perspectives in Neuroscience: Research Results of Young Italian Neuroscientists
Aula Magna Partenope "Federico II" University of Naples, Congress Center, Naples



Publications

- 2019 Orexin-A prevents lipopolysaccharide-induced neuroinflammation at the level of the intestinal barrier. **Tunisi L**, Forte N, Fernández-Rilo AC, Mavaro I, Capasso R, D'Angelo L, Milic N, Cristino L, Di Marzo V, Palomba L. *Frontiers Endocrinology*
- 2019 Ultra-micronized palmitoylethanolamide rescues the cognitive decline-associated loss of neural plasticity in the neuropathic mouse entorhinal cortex-dentate gyrus pathway. Boccella S, Cristiano C, Romano R, Iannotta M, Belardo C, Farina A, Guida F, Piscitelli F, Palazzo E, Mazzitelli M, Imperatore R, **Tunisi L**, de Novellis V, Cristino L, Di Marzo V, Calignano A, Maione S, Luongo L. *Neurobiology of Disease*

