CURRICULUM VITAE

PERSONAL INFORMATION

Name: Luciana Gneo
Date of birth: 24/03/1989
Nationality: Italian
Address: Via le Gotte, Monte San Giovanni Campano (FR)
Telephone: 00393389354813
Email: lucianagneo89@gmail.com

EDUCATION

17/10/12: B.Sc. Biotechnology (**Score:** 106/110 cum lode)

University of L'Aquila, Faculty of Biotechnology

Thesis title: " Strategies for optimizing human T-cell"

Supervisor : Prof.ssa A. Rossella Farina

16/10/2014: M.Sc. Cellular and molecular Biotechnologies (**Score:** 110/100 cum lode)

University of L'Aquila, Faculty of Biotechnology

Thesis title:"The TrkAIII oncoprotein inhibits mitochondrial free radical ROS-induced death of neuroblastoma cells by augmenting SOD2 expression and activity"

Supervisor : Dott.ssa Lucia Cappabianca

Prof.ssa A. Rossella Farina

11/2015 Professional habilitation in biology

11/2014-10/2017 PhD in Experimental Medicine

University of L'Aquila, Department of Biotechnological and Applied Clinical Sciences

Supervisor: Prof. Andrew Reay Mackay

12/2017-current Post-doc in Characterization of antibody

University of Trieste, Department of chemical and Pharmaceutical Sciences

Supervisor: Dott.ssa Sara Fortuna

RESEARCH EXPERIENCE

09/2013-10/2014 Research assistant in the Department of Department of Biotechnological and Applied Clinical Sciences

11/2014-10/2017 PhD student in Experimental Medicine

University of L'Aquila, Department of Biotechnological and Applied Clinical Sciences

06/2017- 10/2017 Research Fellow at the Professors Carmela Lo Santo and Francis Mussai's laboratory, School of Cancer Sciences, Institute of Immunology and Immunotherapy, University of Birmingham (UK)

FIELD OF RESEARCH INTEREST

Molecular and cell biology
Molecular mechanism and metabolism of cancer
Molecular and general pathology
Immunology and Immunotherapy
Tumour microenvironment

TECHNICAL SKILLS

Cell culture, co-culture and bacterial culture for in vivo experiment, stable and transient trasfection, proliferation and apoptosis assays, molecular and functional analysis of tumor cells, manage blood samples.

RNAi gene knockdown, DNA and RNA extraction, PCR; signal transduction; isolation and purification of total, nuclear and mitochondrial protein; gel electrophoresis, western blotting, immunoprecipitation and immunofluorescence; protein phosphorylation analysis, flow cytometry, ELISA, sorting of monocyte from blood.

BIOINFORMATIC SKILLS

Database searching for gene and protein sequence analysis (NCBI, BLAST, ExPACY)
Microsoft Office tools, ImageJ

LANGUAGE SKILLS

Italian (mother tongue)
English (PET certification)

PERSONAL SKILLS

Good organization, with attention to detail; able to adapt and iterate quickly to new work environment; hardworking; good communication skills; ability to independently and tem work; Self-motivation and ability to take the initiative; punctuality and time-keeping; able to take on responsibility

EXTRA-SCIENTIFIC PASSIONS

Travelling, reading, trekking and mountain excursion.

BIBLIOGRAPHY

Farina AR, Cappabianca L, Ruggeri P, **Gneo L**, Maccarone R, Mackay AR. Oncotarget. 2015 Nov.3; 6(34):35636-51. *Retrograde TrkAIII transport from ERGIC to ER: a re-localisation mechanism for oncogenic activity.*

Ruggeri P, Cappabianca L, Farina AR, **Gneo L**, Mackay AR. Cell Death Discov. 2016 Feb 1;2:16004. *NGF sensitizes TrkA SH-SY5Y neuroblastoma cells to TRAIL-induced apoptosis.*

Ruggeri P, Cappabianca L, Farina AR, **Gneo L**, Mackay AR. Cell Death Dis. 2016 Mar 10;7:e2139. *NGF FLIPs TrkA onto the death TRAIL in neuroblastoma cells.*

Antonietta Rosella Farina, Lucia Cappabianca, Pierdomenico Ruggeri, **Luciana Gneo**, Andrew Reay Mackay. Cancer Cell & Microenvironment Vol 3; No 1 (2016)
The enemy from within: mislocalization of a compromised receptor as a mechanism for TrkAIII oncogenic activity

Gneo L, Ruggeri P, Cappabianca L, Farina AR, Di Ianni N, Mackay AR. Oncotarget. 2016 Nov. 4; *TRAIL induces pro-apoptotic crosstalk between the TRAIL-receptor signaling pathway and TrkAIII in SH-SY5Y cells, unveling a potential therapeutic "Achilles heel" for the TrkAIII oncoprotein in neuroblastoma.*

MEETING ABSTRACT

Luciana Gneo, Pierdomenico Ruggeri, Lucia Cappabianca, Antonietta R. Farina& Andrew R. Mackay ***NGF Sensitizes TrkA expressing SH-SY5Y neuroblastoma cells to TRAIL-induced Apoptosis.*** *Proceeding of the 33th SIPMeT National Conference. Montesilvano (PE), Oct. 2016.*

Luciana Gneo, Pierdomenico Ruggeri, Lucia Cappabianca, Antonietta R. Farina& Andrew R. Mackay ***TRAIL induces pro-apoptotic crosstalk between the TRAIL-receptor signaling pathway and TrkAIII in SH-SY5Y cells.*** *Proceeding of the 29th Annual Conference of Italian Associationof Cell Cultures. L'Aquila 23-25 Nov. 2016 .*

OTHER EXPERIENCE

1ST "CORSO DI FORMAZIONE E AGGIORNAMENTO IN MATERIA DI IMPIEGO DEGLI ANIMALI A FINI SCIENTIFICI ED EDUCATIVI". *Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise,(TE) Oct. 2015.*

2ND *"CORSO DI FORMAZIONE E AGGIORNAMENTO IN MATERIA DI IMPIEGO DEGLI ANIMALI A FINI SCIENTIFICI ED EDUCATIVI".* *Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise,(TE) Oct. 2016.*

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base art. 13 del D. Lgs. 196/2003