Università di Genova

Irene Appolloni

Researcher

EDUCATION AND TRAINING

10/03/2005
PhD in Molecular Biotechnologies
Università di Pisa

12/03/2001
Degree in Biological Sciences
110/110 cum laude
Università di Pisa

PROFESSIONAL HISTORY

01/03/2018-
Researcher
- Study of the molecular bases of the immune evasion process during glioma tumor progression
- Analysis of the molecular mechanisms regulating the process of cell-cell contact inhibition of migration during glioma cell infiltration into the brain parenchyma
- Evaluation of the efficacy of an innovative oncolytic virotherapy for gliomas based on fully retargeted HSV against glioma-specific markers and armed with the interleukin-2 gene to stimulate the anti-tumor response of the host immune system
Università di Genova

01/10/2011-28/02/2018
Post-Doc
- Study of the role of the Trim8 gene in gliomagenesis and evaluation of its therapeutic potential in vivo
- Analysis of the role of key regulators of central nervous system development (Pax6, Olig2, ID4, Sox2, and Btg2) in sustaining gliomagenesis in vitro and in vivo
- Investigation of the role of cadherins, mediators of cell adhesion, in maintaining the migratory and tumorigenic capacities of glioma cells
- Analysis of the efficacy of a novel therapeutic approach based on oncolytic Herpes simplex viruses retargeted against the Her2 receptor to specifically target glioma cells
IRCCS Ospedale Policlinico San Martino

01/08/2006-30/09/2011
Assegnista di Ricerca
Development and characterization of a new animal model of gliomagenesis induced by PDGF-B overexpression
Università di Genova

16/04/2005-31/07/2006
Post-Doc
Development of new animal models of gliomagenesis

Università di Genova

IRCCS Ospedale Policlinico San Martino

ACADEMIC APPOINTMENTS

2020-2025
Member of the "Commissione paritetica docenti-studenti di scuola"
Scuola di Scienze Mediche e Farmaceutiche
Università di Genova

EXPERIENCE

MAIN SEMINARS

2017 Tumor immunoescape during glioma progression
Neuroscience Institute Cavalieri Ottolenghi (NICO)-Torino

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

2022 PRIN Prot. 2022A5YWJJ. "Innovative photo-sonodynamic therapy approaches for targeted treatment of brain tumors: application to glioblastoma"
Ministero dell'Università e della Ricerca

2011 Giovani Ricercatori, Prot. GR-2011-02349694. "Dissecting the TRIM8 role in the pathogenesis of glioma and therapy"
Ministero della Salute