

VALENTINA TASSINARI

24 July 1983, Aprilia (LT), Italy

Via Maestre Pie Filippini 13, 00135, Rome

3470681596

v.tassinari@homail.it; valentina.tassinari@uniroma1.it; valentina.tassinari@pec.it

EDUCATION

9/02/15: Ph.D. in Medical Biotechnology and Translational Medicine, “Tor Vergata University of Rome”, Faculty of Medicine, Department of Anatomy.

2011: Degree in Biology Applied to Biomedical Research, University of Rome “La Sapienza”(110/110 cum laude).

2008: Bachelor degree in Biological Sciences at the University of Rome “La Sapienza”.

WORK EXPERIENCE

February 2020-to date. Post-doctoral fellow at Department of Molecular Medicine University of Rome "La Sapienza". Rome, Italy. Research topic: molecular mechanisms involved in HPV-driven tumorigenesis.

2016–2020 Post-doctoral fellow at RNA Editing Laboratory, Department of Oncohaematology, Ospedale Pediatrico Bambino Gesù, Rome, Italy. Research topic: function and regulation of ADAR1 enzyme in glioblastoma.

2015–2016 Post-doctoral fellow at Department of Medicine and Health Sciences University of Molise, Campobasso, Italy. Research topic: Analysis of Ataxia Telangiectasia kinase (ATM)-dependent molecular mechanism in skeletal muscle function and biogenesis. Role of ATM in cancer onset and progression (by using the ATM ko mouse model).

2011–2015 Ph.D. student at Department of Anatomy, Tor Vergata University, Rome, Italy. Research topic: study of PI3K and MAPK molecular pathways in germ cell differentiation and in promoting germ cells tumors.

2008–2011 Graduate student at Department of Veterinary Public Health and Food Safety Istituto Superiore di Sanità, Rome, Italy. Research topic: evaluation of the increased risk of hepatoblastoma following the exposure to the plasticizer di-(2-ethylhexyl) phthalate.

2005-2006: Maternity.

LANGUAGE SKILLS

Italian (mother tongue), English (very good command of speaking and written).

TECHNICAL SKILLS

Primary culture from adult mice and embryos, health and cancer tissues; Cell culture techniques; retroviral, lentiviral and standard transfection protocols into mouse and human cell lines; magnetic-activated cell sorting (MACS); protein immunoprecipitation and co-immunoprecipitation; m6A immunoprecipitation, RNA Immunoprecipitation; CHIP; Western blotting; nucleic acids extraction; PCR and Real-Time PCR techniques; Immunohistochemistry, Immunofluorescence and live cell imaging, TUNEL analysis; cloning techniques; murine colonies maintenance; sequencing and genotyping techniques; Flow Cytometry techniques.

COURSES

Theoretical Courses on Animal handling technologies. 15-16 January 2015 “Tor Vergata” University of Rome.

CONFERENCE AND ABSTRACTS

1) Gallo A, **Tassinari V**, Silvestris DA, Cesarini V, Picardi E, Martini M, Locatelli F. Inosinome signature reveals ADAR1 as a key deaminase promoting the oncogenic signaling in glioblastoma. American Association for Cancer Research Annual Meeting 2020, San Diego (USA).

2) Valeriana Cesarini, Domenico Alessandro Silvestris, **Valentina Tassinari**, Chiara Cingolani, Manuela Marcoli, Viviana Trezza, Rossella Canese, Giulia Carpinelli, Franco Locatelli and Angela Gallo. Deficiency of RNA-editing enzyme Adar2 in adult mouse brain. Gordon Research Seminar on RNA and DNA Editing and Modification: Mechanism, Function and Tools for Precision Medicine Lucca, Italy March 23 - 24, 2019.

3) Valeriana Cesarini, Domenico Alessandro Silvestris, **Valentina Tassinari**, Chiara Cingolani, Manuela Marcoli, Viviana Trezza, Rossella Canese, Giulia Carpinelli, Franco Locatelli and Angela Gallo. Deficiency of RNA-editing enzyme Adar2 in adult mouse. Gordon Research Conference on Next-Generation Epitranscriptomics in Health and Disease, Lucca, Italy, March 24 - 29, 2019.

- 4) Silvestris AD, Picardi E, Cesarini V, **Tassinari V**, Mangraviti N, Pesole G, Locatelli F, and Gallo A. Deciphering Inosinome in Glioblastoma versus normal cortex and astrocytes. AACR Annual Meeting 2017, Washington D.C., USA.
- 5) **Tassinari V**, Campolo F, Cesarini V, Todaro F, Jannini EA., Rossi P and Dolci S. Role of Pten deletion and BRafV600E mutation in the generation of germ cell tumors. 38° Congresso Nazionale SIE. May 27-30, 2015. Taormina, Italy.
- 6) **Tassinari V**, Campolo F, Cesarini V, Todaro F, Jannini EA., Rossi P and Dolci S. Role of Pten deletion and BRafV600E mutation in the generation of germ cell tumors. 68° Congresso Nazionale SIAI. September 18-20, 2014. Ancona, Italy.
- 7) **Tassinari V**, Campolo F, Dolci S and Rossi P. "FGF9-Nodal signaling negatively control meiotic entry of postnatal male germ cells". 67° Congresso Nazionale SIAI. September 20-22, 2013. Brescia, Italy.

PUBLICATIONS

- 1) **Tassinari V**, Cesarini V, Tomaselli S, Ianniello Z, Silvestris DA, Ceci Ginistrelli L, Martini M, De Angelis B, De Luca G, Ricci Vitiani L, Fatica A, Locatelli F and Gallo A. ADAR1 is a new target of METTL3 and plays a pro-oncogenic role in glioblastoma by an editing-independent mechanism. *Genome Biology*. Accepted. January 2021.
- 2) De Meo S, Dell'Oste V, Molfetta R, **Tassinari V**, Lotti LV, Vespa S, Pignoloni B, Covino DA, Fantuzzi L, Bona R, Zingoni A, Nardone I, Biolatti M, Coscia A, Paolini R, Benkirane M, Edfors F, Sandalova T, Achour A, Hiscott J, Landolfo S, Santoni A, Cerboni C. SAMHD1 phosphorylation and cytoplasmic relocalization after human cytomegalovirus infection limits its antiviral activity. *Plos Pathog*. 2020 Sept 28; 16(9):e1008855.
- 3) **Tassinari V**, Cesarini V, Silvestris DA, Scafidi A, Cucina L, Gallo A. MicroRNA editing detection and function: a combined in silico and experimental approach for the identification and validation of putative oncogenic targets. *Methods in Molecular Biology* 2021;2181:253-267.
- 4) **Tassinari V**, De Gennaro V, La Sala G, Marazziti D, Bolasco G, Aguanno S, De Angelis L, Naro F, Pellegrini M. Atrophy, oxidative switching and ultrastructural defects in skeletal muscle of Ataxia Telangiectasia mouse model. *J Cell Sci*. 2019.
- 5) **Tassinari V**, Cesarini V, Silvestris DA, Gallo A. The adaptive potential of RNA editing-mediated miRNA-retargeting in cancer. *Biochim Biophys Acta Gene Regul Mech*. 2018.
- 6) Cesarini V, Silvestris DA, **Tassinari V**, Tomaselli S, Alon S, Eisenberg E, Locatelli F and Gallo A. ADAR2/miR-589-3p axis controls glioblastoma cell migration/invasion. *Nucleic Acids Res*. 2017. ¶ **equally contributed as first authors.**
- 7) Cesarini V, Guida E, Todaro F, Di Agostino S, **Tassinari V**, Nicolis S, Favaro R, Caporali S, Lacal PM, Botti E, Costanzo A, Rossi P, Jannini EA. and S Dolci. Sox2 is not required for melanomagenesis, melanoma growth and melanoma metastasis in vivo. *Oncogene* 2017.
- 8) **Tassinari V**, Campolo F, Cesarini V, Todaro F, Dolci S and Rossi P. Fgf9 inhibition of meiotic differentiation in spermatogonia is mediated by Erk-dependent activation of Nodal-Smad2/3 signalling and is antagonized by Kit Ligand. *Cell Death Dis*. 2015;6:e1688.
- 9) Maranghi F, Lorenzetti S, Tassinari R, Moracci G, **Tassinari V**, Maccoccia D, Di Virgilio A, Eusepi A, Romeo A, Magrelli A, Salvatore M, Tosto F, Viganotti M, Antoccia A, Di Masi A, Azzalin G, Tanzarella C, Macino G, Taruscio D, Mantovani A. *Reprod Toxicol* 2010; 29(4):427-32. In utero exposure to di-(2-ethylhexyl) phthalate affects liver morphology and metabolism in post-natal CD-1 mice.

Rome 19/03/21

Ai sensi degli articoli n.38-46 del decreto del Presidente della Repubblica (D.P.R) n. 445/2000, dichiaro di essere consapevole che dichiarazioni false sono punite ai sensi del codice penale e delle leggi speciali in base alle sanzioni specificate nell'articolo n.76. Dichiaro altresì, di essere informato, ai sensi e per gli effetti dell'art. 13 del D.Lgs N196/2003 che le informazioni dei dati personali saranno trattate, anche con strumenti informatici, esclusivamente nell'ambito del procedimento a cui si fa questa dichiarazione.