

# Antonella D'Amore

## EDUCATION

- University of Rome "Sapienza" Rome, Italy  
From November 2016 to October 2019  
**PhD student in Morphogenesis and tissue engineering**  
PhD project "**Targeting of melanosomal Two-Pore Channel 2 (TPC2) as a novel strategy to impair melanoma progression and metastasis**"  
Supervisor: Prof. Filippini Antonio.
- University of Naples "Federico II" Naples, Italy  
From October 2012 to December 2014  
**Master's degree: Molecular Biology**  
**Final mark: 110/110 cum laude**  
Master's Thesis project "**Functional characterization of dyskerin isoform 3**"(13 months). Supervisor: Prof. Furia Maria.
- University of Naples "Federico II" Naples, Italy  
From October 2009 to October 2012  
**Bachelor's degree: General and Applied Biology**  
**Final mark: 110/110 cum laude**  
Bachelor's Thesis "**Whole-cell sensing system to detect the presence of a variety of OH-PCBS in both environmental and biological samples**".  
Supervisor: Dr. Cafaro Valeria.

## WORK EXPERIENCE

- **Research assistant** ONCOXX biotech srl Lanciano (CH)  
From March 2015 to August 2016  
Developed anti-cancer therapies, mostly immuno-therapy, based on TROP-2 targeting and investigated their activities in mouse model of cancer.

## PUBLICATIONS AND POSTERS

Filippini A, **D'Amore A**, D'Alessio A. Calcium mobilization in Endothelial cell functions. (2019) Int. J. Mol. Sci. 20.45:25

Benkerrou D, Minicozzi V, Gradogna A, Milenkovic S, Bodrenko IV, Festa M, Lagostena L, Cornara L, **D'Amore A**, Ceccarelli M, Filippini A, Carpaneto A. (2019) A perspective on the modulation of plant and animal two pore channels (TPCs) by the flavonoid naringenin. Biophys Chem 9;254:106246

Di Stefano C., Grazioli P., Fontanella RA., De Cesaris P, **D'Amore A.**, Regno M.,

Starace D., Padula F., Fiori ME, Canipari R., Stoppacciaro A., Pesce M., Filippini A., Campese AF, Ziparo E., Riccioli A. (2018). **Stem-like and highly invasive prostate cancer cells expressing CD44v8-10 marker originate from CD44-negative cells.** *Oncotarget* 9-(56):30905-30918

Guerra E., Trerotola M., Tripaldi R, Aloisi AL, Simeone P, Sacchetti A, Relli V, **D'Amore A**, La Sorda R, Lattanzio R, Piantelli M, Alberti S. (2016) **Trop-2 induces tumor growth through Akt and determines sensitivity to Akt inhibitors.** *Clinical Cancer Research* 1701.2015

**Targeting of Melanosomal Two Pore channel 2 as a novel strategy to impair melanoma progression and metastasis.** **D'Amore A.** Hanbashi A. Papacci F. Parrington J. Palombi F. Filippini A. 60<sup>th</sup> annual meeting of the Italian Cancer Society. Milan 19-22 September 2018. Abstract book F5 page 39

**Role of CD44v8-10 splicing variant in the androgen-independent prostate cancer cells PC3.** Fontanella R.A., Di Stefano C., Marampon F., De Cesaris P., **D'Amore A.**, Campese A.F., Ziparo E., Filippini A., Riccioli A. 60<sup>th</sup> annual meeting of the Italian Cancer Society. Milan 19-22 September 2018. Abstract book F4 page 39

**New non canonical function for human dyskerin.**

I.Stufa<sup>1</sup>, V.Belli<sup>2</sup>, **A.D'Amore**<sup>1</sup>, N.Matrone<sup>1</sup>, F.Furia<sup>1,2</sup>.

<sup>1</sup>Dept. of Biology, University of Naples Federico II, Italy, <sup>2</sup>Center for Advanced Biomaterials for Healthcare, IIT; Interdisciplinary Research Centre on Biomaterials (CRIB), University of Naples Federico II, Italy.

Abstract book **p15.8**, page 88. XIII FISV congress, Pisa, Italy. September 24-27, 2014.

**Novel anti-Trop-2 monoclonal antibodies with unique binding specificities show therapeutic synergy against most human cancers.** Emanuela Guerra,<sup>1</sup> Marco Trerotola,<sup>1</sup> Valeria Relli,<sup>1</sup> Chiara Pedicone,<sup>1</sup> **Antonella D'Amore**,<sup>1</sup> Francesca Dini,<sup>1</sup> Silvia Fratarcangeli,<sup>1</sup> Saverio Alberti<sup>2</sup>. 1“G. d' Annunzio” University of Chieti-Pescara, Chieti Scalo, Chieti, Italy  
Abstract book #4588, page 1172 AACR, Annual meeting 2017 Washington

**Novel domain-targeted anti-Trop-2 monoclonal antibodies exhibit complementary binding and synergic anti-tumor efficacy in multiple human cancers.** Emanuela Guerra,<sup>1</sup> Marco Trerotola,<sup>1</sup> Valeria Relli,<sup>1</sup> Chiara Pedicone,<sup>1</sup> **Antonella D'Amore**,<sup>1</sup> Francesca Dini,<sup>1</sup> Silvia Fratarcangeli,<sup>1</sup> Saverio Alberti<sup>2</sup>. 1“G. d' Annunzio” University of Chieti-Pescara, Chieti Scalo, Chieti, Italy  
Abstract book #579, page 160 AACR, 2<sup>nd</sup> special conference EACR-AACR-SIC June 2017, Florence, Italy.

**ADDITIONAL EXPERIENCE**

-Visiting PhD student at Pharmacology Department (Oxford University-UK)  
Supervisor: Dr John Parrington from February to August 2018 and from July 2019 to October 2019 supported by the “PhD mobility call for young researchers fellowship “ for two years in a row.

-Participation granted by a scholarship to “Trieste Next" European salon of scientific innovation and research. Trieste, Italy. September 27-29, 2013

## **AWARDS**

- Grant “Avvio alla ricerca 2017” project
- Grant “Avvio alla ricerca 2019” project
- PhD mobility call for young researchers fellowship 2018 (6 months)
- PhD mobility call for young researchers fellowship 2019 (3 months)

## **SKILLS**

### **technical skills**

- Fluorescence and optical microscope
- Confocal microscope
- Western blotting
- Nucleic Acids Isolation
- PCR; RT-PCR; qPCR
- Immunofluorescence assay
- Microbiological techniques
- Cloning
- Cell culture
- Transfection
- Agarose gel electrophoresis
- Flow cytometry (FACS Calibur, Dako)
- Immuno-precipitation
- Cell viability assays
- Calcium imaging
- CRISPR-Cas9 gene silencing
- In vivo* mice (Balb-c, C57bl/6, CD1 nude mice, NSG) handling: peritoneal, subcutaneous and mammary fat pad injection; genotyping; adult and pups mice autopsy.
- Embed tissue in OCT

### **computer skills**

- Microsoft and Macintosh systems
- Good knowledge of biological database
- Good knowledge of ImageJ, Image lab (Biorad), SnapGene, Graphpad Prism, WinMDI 2.9, FCS express 5 and FlowJo programs.

### **language skills**

Italian: Mother tongue

English: very good command of spoken and written