

## PERSONAL INFORMATION Angelica Mancusi

Sex F | Nationality Italian

### POSITION

PhD student

### WORK EXPERIENCE

- 2019-by now **Research activity within the Ph.D. degree program in Molecular Medicine**  
Sapienza University of Rome, Department of Molecular Medicine
- Study of molecular basis on Pin1-Notch3 crosstalk involved in ovarian chemoresistance;

### EDUCATION AND TRAINING

- October 2020 **Qualifying state examination for the Italian Guild of Biologists**  
(Abilitazione alla professione di Biologo)  
Università
- 2019-by now **Ph.D. Student in Molecular Medicine**  
Sapienza University of Rome, Department of Molecular Medicine
- 2017-2019 **Master's degree in Genetics and Molecular Biology**  
110/110 cum laude  
Sapienza University of Rome, within Department of Molecular Medicine  
**Master's thesis:** "Study of the Pin1-GSK3 $\beta$ -Notch3 axis in the progression of Ovarian cancer"

- 2014-17 **Bachelor's Degree in Life Science**  
102/110  
University of Salerno
- Graduate thesis "Role of protein Nesprin-3 into the nuclear migration"

### AWARDS AND GRANTS

- October 2019 Winner of the award "Borsa di studio 2018/2019" for deserving students - grant provided by Fondazione Roma Sapienza.
- June 2021 Winner of the award "Borsa per l'attività di tutoraggio 2020/2021" for PhD students - grant provided by Fondazione Roma Sapienza.

### PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

**Communication skills**

- Good communication skills gained through the working experience in international laboratory environment

**Job-related skills**

- Experimental research-related skills:
  - Cell culturing techniques (various cancer and non-malignant cell lines and primary cultures of Sertoli cells);
  - Tissue culturing techniques (seminiferous tubuli cultures, testicular tissue);
  - Transfection and infection of cells (electroporation, lipofection);
  - Extraction of DNA (genomic or episomal) and RNA from cells and tissues, PCR, RT-PCR, qPCR;
  - Cloning techniques and sample preparation for sequencing;
  - Sample preparation for FACS analysis (cell cycle analysis, apoptosis evaluation, ROS detection), and fluorescent and confocal microscopy, time-lapse phase contrast microscopy, scratch test assay;
  - Cytotoxicity and cell viability assays (MTS, MTT), IC50 determination;
  - SDS/PAGE-electrophoresis and immunoblotting of proteins;
  - Chromatin immunoprecipitation (ChIP) assay and immunoprecipitation (IP) assay;
  - Luciferase reporter assay;
  - Mouse tissue dissection and organ extraction; isolation of cells from human and murine testis;
  - Microtome and cryostat cutting, tissue and blood sample microscopy
  - in vitro transcription and translation assays;
- Laboratory diagnostic-related skills:
  - Histological staining (haematoxylin-eosin, IF, IHC, Papanicolaou, PAS, Gomori, Congo Red, Prussian Blue);
  - Microbiological cultures and staining (Gram staining and Zhiel-Neelsen), blood cultures;
  - Basic use of blood and serum sample analysers (COBAS6000 Roche Diagnostic, Yumizen H2500/H1500, ARCHITECT i1000SR immunoassay analyser ABBOTT);
  - Radio-immuno assay (RIA, IRMA) and enzyme-Linked immunosorbent assay (ELISA);

**Computer skills**

- good user of Microsoft Office™ tools
- good user of EndNote
- good user of EMBL ImageJ
- good user of Photoshop
- good user of GraphPad

## ADDITIONAL INFORMATION

## Publications

Giuli MV, **Mancusi A** et al., Notch signaling in female cancers: a multifaceted node to overcome drug resistance. Cancer Drug Resist 2021;4:805-836. <http://dx.doi.org/10.20517/cdr.2021.53>

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196  
"Codice in materia di protezione dei dati personali".

## Personal data

Firma

Angelica Mancusi