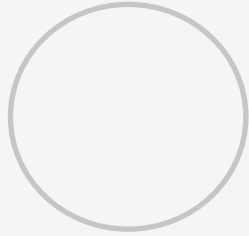




MICHELE SANTILLO



● ABOUT ME

Experienced biology technician with a strong determination and teamwork capability. Skilled in preclinical testing and liquid biopsy technology, with a focus on oncology and neuroscience research.

● EDUCATION AND TRAINING

24/09/2019 – 21/09/2022 PI, Italy

MASTER DEGREE IN BIOLOGY APPLIED TO BIOMEDICINE University of Pisa

Final grade 104/110 | **Thesis** Preclinical testing of a novel therapeutical pproach to counteract Glioblastoma Multiforme

24/09/2014 – 10/04/2019 PI, Italy

BACHELOR'S DEGREE IN BIOLOGICAL SCIENCES University of Pisa

Final grade 93/110 | **Thesis** Blood Brain Barrier and Drug Delivery

11/11/2020 – 13/11/2020 PI, Italy

CERTIFICATE OF ATTENDANCE- FIRST TRAINING SCHOOL OF I-GENE PROJECT University of Pisa

Address Department of Biology, PI, Italy | **Website** <https://i-geneproject.eu/>

23/09/2021 Italy

CERTIFICATE OF ATTENDANCE- BIOMEDICAL ANIMAL EXPERIMENTATION MINISIMPOSIUM University of Ferrara and Camerino

11/05/2020 – 18/05/2020 Italy

CERTIFICATE OF ATTENDANCE- MICROBIOLOGY AT 360° Vivere Scienza- Microbiologia Italia- Vivere Farmacia

Website <https://www.microbiologiaitalia.it/>

23/10/2021 PI, Italy

CERTIFICATE OF ATTENDANCE- GENETICS OF NUTRITION AND INTESTINAL MICROBIOTE Allergoline Biotech Research - CNR IBBA Pisa

Website <https://www.allergoline.it/>

01/11/2022 – 31/10/2025 Siena, Italy

PHD STUDENT IN GENETICS, ONCOLOGY AND CLINIC MEDICINE (GENONMEC) University of Siena

11/01/2023 – 11/01/2023 Lecce, Italy

BIOLOGIST PROFESSIONAL QUALIFICATION University of Salento

Website <https://www.unisalento.it/>

06/08/2024

ICH E6 (R2) GCP INVESTIGATOR SITE PERSONNEL TRAINING Formazione nel Farmaceutico

Website <FormazioneNelFarmaceutico.com>

● **WORK EXPERIENCE**

BIOLOGY TECHNICIAN – BIOLABOR SRC – 20/12/2021 – 20/01/2022 – LIVORNO, ITALY

Antigenic tests analysis for screening and monitoring SARS-CoV2

BIOLOGY TECHNICIAN – BIOLABOR SRC – 07/06/2020 – 07/07/2020 – LIVORNO, ITALY

Qualitative tests analysis to detect IgG and IgM sieropositive SARS-CoV2 clients

INTERNSHIP AT DEPARTMENT OF TRASLATIONAL RESEARCH AND NEW TECHNOLOGIES IN MEDICINE AND SURGERY – UNIVERSITY OF PISA – 14/09/2017 – 01/11/2017 – PISA, ITALY

- Use and maintenance of two human cell lines: medium culture and solutions preparation; cell count; vital dying, co-culture experiments; Hematossilin-Eosin coloration
- Immunohistochemistry
- Sample preparation for Electron Microscopy

INTERNSHIP AT CNR NEUROSCIENCE INSTITUTE – NATIONAL RESEARCH COUNCIL CNR – 01/11/2021 – 02/10/2022 – PISA, ITALY

- Cell lines handling: maintenance, cellular count and e assays
- Optical Microscopy, wide-field fluorescence microscopy and confocal microscopy
- Animal colony handling (mouse model): motor tests, magnetic resonance, anesthesia, surgery and treatment
- Use and preparation of solutions, reagents, medium culture and toxins.
- Tecniue: Immunohistochemistry (on tissue and culture), DNA/RNA extraction, PCR, elettrophoresis, microtome
- Paper exposition and discussion in group of related issues
- Video analysis, graphical data creation and statistical analysis

PHD INTERNSHIP – UNIVERSITY OF FIRENZE - DEPARTMENT OF EXPERIMENTAL AND CLINIC MEDICINE

– 01/11/2022 – 31/10/2025 – FIRENZE, ITALY

- Gene mutations detection with NGS: BEAMing workflow (Plasma fraction from mCRC patients blood, DNA extraction, Multiplex-PCR, Emulsion-PCR, Flow Citometry) and Idylla instrument
- RNA extraction from blood samples and FFPE; Protein Extraction, Bradford Assay; Modified Ames Test; ELISA tests; Blood and Urine samples processing; Immunohistochemistry and H&E staining on FFPE healthy and cancer samples

TRIALECT ONSITE FELLOWSHIP IN LIQUID BIOPSY TECHNOLOGY IN CANCER RESEARCH AND METASTATIC SIGNALING – UNIVERSITY OF PATRAS (GR) - DEPARTMENT OF BIOLOGY – 01/09/2025 – 14/09/2025 – PATRAS , GREECE

- Blood sample processing and enrichment techniques for CTCs and EVs
- Hands-on practice with size-based filtration and density gradient centrifugation
- Immunofluorescence staining for CTC identification
- Use of epithelial and mesenchymal markers in cancer cell profiling
- High-resolution imaging of CTCs and EVs
- Interpretation of microscopy results and training with imaging analysis programs
- Discussion on data reproducibility and validation
- Setting up in vitro experiments using patient-derived cells
- Summary of findings and potential research directions
- Feedback meetings and discussion of results for future collaborations/publication potential

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● SKILLS

Microsoft Office | Microsoft Word | Microsoft Excel | Outlook | Google Drive | Microsoft Powerpoint | Google Docs | ImageJ (Intermediate) | Mango | GraphPad prism | RStudio (basic) | Mendeley software | ZEN Zeiss microscopy software (intermediate) | Sigma plot | Social communication and platforms | Beginner user of BioRender

● CONFERENCES AND SEMINARS

19/05/2022 – 20/05/2022 Berlin-Germany

Brain Tumor Meeting 2022

Collaborator in Poster presentation "Rearrangements of peritumoral tissue that occur along with glioma progression"
Authors: Mori E, Spalletti C, Scalera M, Haddad S, Santillo M, Cangini D, Mainardi M, Landi S, Caleo M, Vannini E

Link <https://www.brainumor-berlin.de/>

28/09/2022 – 30/09/2022 Rome-Italy

BraYn Conference 2022

Attended at BraYn conference in 2022 with a poster presentation "Preclinical testing of a novel therapeutic approach to counteract Glioblastoma Multifome"

Authors: Michele Santillo, Elisabetta Mori, Gudula Schmidt, Mario Costa, Eleonora Vannini

06/12/2022 – 08/12/2022 University of Lille- France

Ion Channel & Cancer Meeting 2022

Attended at Ion Channel & Cancer Meeting and Calcium Signaling in Cancer 2022 with a poster presentation "hERG1 POTASSIUM CHANNEL AND HYPOXIA IN BLADDER CANCER: IMMUNOHISTOCHEMISTRY AND IN SILICO ANALYSES

Authors: Michele Santillo, Elena Lastraioli, Federico Alessandro Ruffinatti, Luca Visentin, Maria Raffaella Romoli, Andrea Minervini, Annarosa Arcangeli

Link <https://iccm2022.univ-lille.fr/>

22/09/2023 – 23/09/2023 Parma, Italy

SIPMeT Young Scientists Meeting

Attended with poster presentation "Liquid biopsy in oncology: analysis of RAS and BRAF genes mutational profile in metastatic colorectal cancer patients", Elena Lastraioli, Michele Santillo, Jessica Iorio, Alessandra Bettioli, Elvira Limatola, Erica Parisi, Cristina Bianchi, Daniele Checcacci, Mauro Iannopolo, Annarosa Arcangeli, Francesco di Costanzo, Marco Di Lieto.

● DRIVING LICENCE

Driving Licence: A

Driving Licence: B