

Curriculum Vitae

PERSONAL INFORMATION

Tanzi Adele

Email address: adele.tanzi@unito.it

Telephone number: +39 3472374819

CURRENT POSITION

MBC- Molecular Biotechnology Centre, Torino

PhD student in Medical Pathophysiology

PhD project: Identification of exosomal markers for kidney regeneration on urinary EVs

**November 2021-
October 2024**

Tutor: Prof.ssa Benedetta Bussolati

PREVIOUS RESEARCH POSITIONS

Visiting PhD student

*Istituto Cardiocentro Ticino, Ente ospedaliero cantonale, Bellinzona,
Switzerland*

**February 2024-
April 2024**

Tutor: Prof.ssa Benedetta Bussolati, Prof. Lucio Barile

Internal student

*Department of molecular biotechnology and health sciences, University of
Turin*

**November 2019-
September 2021**

Tutor: Prof.ssa Benedetta Bussolati

Internal student

*Northern Institute for Cancer Research, Newcastle University, Newcastle
upon Tyne, England*

**September-
December 2019**

Tutor: Prof.ssa Jane Endicott

EDUCATION

Master's degree in Molecular Biotechnology

October 2021

Department of Molecular Biotechnology and Health Sciences, University of Turin, Italy

Grade: 110/110L

Title of master's degree Thesis: "Evaluation of Mesenchymal Stem Cell-Derived Extracellular Vesicles effect on apoptosis induced by Endoplasmic Reticulum Stress on Human Corneal Endothelial Cells."

Supervisor: Prof.ssa Benedetta Bussolati

Bachelor's Degree in Biotechnologie

April 2019

Dipartimento di Scienze Chimiche, della Vita e della Sostenibilità Ambientale, Università degli studi di Parma, Italy

Grade: 106/110

Title of bachelor's degree Thesis: "Characterization of the molecular interaction between CDC25A phosphatase and CDK2-Cyclin A complex."

Supervisor: Prof.ssa Roberta Ruotolo

Scientific diploma

July 2015

Liceo scientifico G. Marconi, Parma

Grade: 88/100

PUBBLICATIONS

- Tanzi, A., Buono, L., Grange, C., Iampietro, C., Brossa, A., Arcolino, F. O., Arigoni, M., Calogero, R., Perin, L., Deaglio, S., Levchenko, E., Peruzzi, L., & Bussolati, B. (2024). Urine-derived podocytes from steroid resistant nephrotic syndrome patients as a model for renal-progenitor derived extracellular vesicles effect and drug screening. *Journal of translational medicine*, 22(1), 762
- Verta, R., Saccu, G., Tanzi, A., Grange, C., Buono, L., Fagoonee, S., Deregibus, M. C., Camussi, G., Scalabrin, S., Nuzzi, R., & Bussolati, B. (2023). Phenotypic and functional characterization of aqueous humor derived extracellular vesicles.

Experimental eye research, 228, 109393.

- Grossini, E., Smirne, C., Venkatesan, S., Tonello, S., D'Onghia, D., Minisini, R., Cantaluppi, V., Sainaghi, P. P., Comi, C., Tanzi, A., Bussolati, B., & Pirisi, M. (2023). Plasma Pattern of Extracellular Vesicles Isolated from Hepatitis C Virus Patients and Their Effects on Human Vascular Endothelial Cells. *International journal of molecular sciences*, 24(12), 10197.
- Verta R, Grange C, Skovronova R, Tanzi A, Peruzzi L, Deregibus MC, Camussi G, Bussolati B. Generation of Spike-Extracellular Vesicles (S-EVs) as a Tool to Mimic SARS-CoV-2 Interaction with Host Cells. *Cells*. 2022 Jan 3;11(1):146.
- Buono L, Scalabrin S, De Iuliis M, Tanzi A, Grange C, Tapparo M, Nuzzi R, Bussolati B. Mesenchymal Stem Cell-Derived Extracellular Vesicles Protect Human Corneal Endothelial Cells from Endoplasmic Reticulum Stress-Mediated Apoptosis. *Int J Mol Sci*. 2021 May 6;22(9):4930.

CONFERENCES

- “Urinary Extracellular vesicle preservation using a non-toxic dialdehyde fixative”, oral presentation, ISEV (International society for extracellular vesicles) 2nd Virtual Symposium: Urinary EVs, 15-16th February 2023;
- “Renal progenitor-derived extracellular vesicles ameliorate podocyte function in a human in vitro model of glomerular permeability”, XXVII School of pure and applied biophysics on “Extracellular Vesicles: from biophysical to translational challenges”, poster presentation, Venezia, 6-10th February 2023;
- “Looking for potential acute kidney injury biomarkers on urinary extracellular vesicle surface”, poster presentation, EVIta workshop 2023, Urbino, 13-15th September 2023;
- “Renal progenitor-derived extracellular vesicles ameliorate podocyte function in a human in vitro model of glomerular permeability” oral presentation, Congresso SIN (società italiana nefrologia) 2023, Torino, 4-7th October 2023.

- “Validation of a Membrane Sensing Peptide conjugated beads-based flow cytometry assay on urine samples derived from renal disease patients: a diagnostic platform for monitoring renal regeneration after damage”, oral presentation, Tech4EVITA workshop 2024, Trieste, 18-20th September 2024.

SEMINARY ATTENDANCE

- EVIta workshop “EVIta connect: fostering collaboration”, Turin, Italy, September 2022;
- ISEV workshop online “Inaugural Virtual Symposium on Urinary Extracellular Vesicles” February 2022.

LANGUAGES

First language: Italian

Second language: English (C1)

TECHNICAL SKILLS:

- Molecular and cellular biology techniques (RNA extraction, qPCR, protein extraction, Western Blot, Flow cytometry, Immunofluorescence);
- Isolation, characterization, and functional studies of/with Extracellular vesicles;
- Cell culture (primary, staminal, immortalized) maintenance, expansion and transfection;
- Bacteria culture maintenance, cloning, protein production and purification;
- In vivo model manipulation (mouse).

Torino, 20/09/24

Firma

