

ELENA GENOVA

ESPERIENZE 2024 – present Post-graduate researcher (IRCCS Burlo Garofolo, Trieste)

2021- 2024: Post-graduate researcher (SISSA, Trieste)

2020-2021 Post-graduate researcher (IRCCS Burlo Garofolo, Trieste)

2018: Abroad research experience Matsumoto university (Japan). Induced pluripotent stem cell handling and differentiation in pancreatic cells

TITOLO DI STUDIO 2016-2020: PhD in reproduction and developmental sciences. Dep of Medicine, Surgery and Health Sciences, University of Trieste (Italy). Project based on patient-specific induced pluripotent stem cells (iPSCs) and therapy personalization.

2010-2016: Master's degree in pharmaceutical chemistry and technology, University of Trieste (Italy).

2005-2010: Diploma. High School of Language studies, Belluno (Italy).

ULTERIORI INFORMAZIONI

Pubblicazioni Genova, E., Lucafò, M., Pelin, M., Di Paolo, V., Quintieri, L., Decorti, G., Stocco, G. Insights into the cellular pharmacokinetics and pharmacodynamics of thiopurine antimetabolites in a model of human intestinal cells (2021) Chemico-Biological Interactions, 347, art. no. 109624.

Genova, E., Stocco, G., Decorti, G. Induced pluripotent stem cells as an innovative model to study drug induced pancreatitis (2021) World Journal of Gastroenterology, 27 (35), pp. 5796-5802.

Genova, E., Apollonio, M., Decorti, G., Tesser, A., Tommasini, A., Stocco, G. In vitro effects of sulforaphane on interferon-driven inflammation and exploratory evaluation in two healthy volunteers (2021) Molecules, 26 (12), art. no. 3602.

Fornasaro, S., Gurian, E., Pagarin, S., Genova, E., Stocco, G., Decorti, G., Sergo, V., Bonifacio, A. Ergothioneine, a dietary amino acid with a high relevance for the interpretation of label-free surface enhanced Raman scattering (SERS) spectra of many biological samples (2021) Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 246, art. no. 119024.

Genova, E., Stocco, G., Decorti, G. Induced pluripotent stem cells to model adverse drug reactions in pediatric patients (2020) Pharmacogenomics, 21 (14), pp. 975-978.

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Biomarkers and Precision Therapy for Primary Immunodeficiencies: An In Vitro Study Based on Induced Pluripotent Stem Cells From Patients (2020) *Clinical Pharmacology and Therapeutics*, 108 (2), pp. 358-367.
- Genova, E., Cavion, F., Lucafò, M., De Leo, L., Pelin, M., Stocco, G., Decorti, G.
Induced pluripotent stem cells for therapy personalization in pediatric patients: Focus on drug-induced adverse events (2019) *World Journal of Stem Cells*, 11 (12), pp. 1020-1044.
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Generation of 3 clones of induced pluripotent stem cells (iPSCs) from a patient affected by Crohn's Disease (2019) *Stem Cell Research*, 40, art. no. 101548.
- Genova, E., Pelin, M., Decorti, G., Stocco, G., Sergo, V., Ventura, A., Bonifacio, A.
SERS of cells: What can we learn from cell lysates? (2018) *Analytica Chimica Acta*, 1005, pp. 93-100.
- Genova, E., Pelin, M., Sasaki, K., Yue, F., Lanzi, G., Masneri, S., Ventura, A., Stocco, G., Decorti, G.
Induced pluripotent stem cells as a model for therapy personalization of pediatric patients: Disease modeling and drug adverse effects prevention (2018) *Current Medicinal Chemistry*, 25 (24), pp. 2826-2839.
- Pelin, M., Genova, E., Fusco, L., Marisat, M., Hofmann, U., Favretto, D., Lucafò, M., Taddio, A., Martelossi, S., Ventura, A., Stocco, G., Schwab, M., Decorti, G.
Pharmacokinetics and pharmacodynamics of thiopurines in an in vitro model of human hepatocytes: Insights from an innovative mass spectrometry assay (2017) *Chemico-Biological Interactions*, 275, pp. 189-195.