

Curriculum Vitae – Francesca Protopapa

PERSONAL DATA

Name/Surname: Francesca Protopapa

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EDUCATION

- Novembre 2023 – today: **Post-Doctoral Fellow**, Università di Pavia, Dept. of Internal Medicine, via Adolfo Ferrata, 27100 Pavia.
- November 4th 2019 – October 2023: **PhD Candidate in Experimental Medicine and Therapy**, Università di Torino, Dept. of Clinical and Biological Sciences, Corso Raffaello 30, 10125 Torino, Italy
 - Research field: Study of the role of different mediators involved in the scenario of Non-Alcoholic Fatty Liver Disease progression to Hepatocellular Carcinoma
- October 2017 – October 2019: **Master Degree in Medical Biotechnology**, Università di Torino (106/110). Dissertation/Thesis title: Pro-inflammatory role of SerpinB3 in the progression of chronic liver diseases
- October 2014 – July 2017: **Bachelor Degree in Biotechnology**, Università di Lecce (109/110). Dissertation/Thesis title: Study of the role of V₁G₁ subunit in the process of cellular migration
- September 2009 – Luglio 2014: **Scientific High School**, Liceo Scientifico G.C.Vanini, 73042 Casarano (Le) (95/100)

RESEARCH EXPERIENCE

- November 2019 – October 2023: PhD Candidate in Experimental Medicine and Therapy, Università di Torino, Dept. of Clinical and Biological Sciences, Corso Raffaello 30, 10125 Torino; Italy
- May 2018 – September 2019: Experimental thesis as a member of the research group led by Prof. Maurizio Parola in Torino
- January 2017- June 2017: Experimental thesis as a member of the research group led by Prof. Cecilia Bucci in Lecce

TECHNICAL SKILLS AND COMPETENCE

- Cultures of different Human cell lines (HSC/MFs, LX2, macrophages)
- Flow cytometry analysis
- Immunohistochemistry
- Immunofluorescence
- Motility (Wound healing assay) and invasiveness (Boyden Chamber)
- RNA, DNA and proteins extraction and purification
- Western Blot on total protein and on subcellular fractions
- ELISA
- qRT-PCR
- Optical and fluorescence microscopes
- *In vivo* research on murine models of chronic liver diseases fed on lipogenic diets (CDAA, MCD)

JOURNAL PUBLICATIONS

- Oncostatin M, a novel profibrogenic mediator, is involved in the progression Non-alcoholic fatty liver disease and stimulates migration of myofibroblasts. B.Foglia, E.Novo, S.Sutti, S.Cannito, **F.Protopapa**, C.Bocca, M.Maggiora, C.Rosso, E.Bugianesi, E.Albano, M.Parola. Digestive and Liver Disease, 2020 (Oralcommunication held by Foglia B.)
- Liver Fibrogenesis: An Update on Established and Emerging Basic Concepts. E. Novo, C. Bocca, B.Foglia, **F.Protopapa**, M. Maggiora, M. Parola, S. Cannito . Arch Biochem Biophys, 2020
- Hypoxia, Hypoxia-Inducible Factors and Liver Fibrosis. B.Foglia, E.Novo, **F.Protopapa**, M.Maggiora, C.Bocca, S.Cannito, M.Parola. Cells, 2021.
- Hepatic Myofibroblasts: A Heterogeneous and Redox-Modulated Cell Population in Liver Fibrogenesis. C. Bocca*, **F. Protopapa***, B. Foglia, M. Maggiora, S. Cannito, M. Parola, E. Novo. Review Antioxidants (Basel), 2022
- SerpinB3 as a Pro-Inflammatory Mediator in the Progression of Experimental Non-Alcoholic Fatty Liver Disease. E. Novo, A. Cappon, G. Villano, S. Quarta, S. Cannito, C. Bocca, C. Turato, M. Guido, M. Maggiora, **F. Protopapa** , S. Sutti, A. Provera , M. Ruvoletto, A. Biasiolo, B. Foglia, E. Albano , P. Pontisso , M. Parola Front Immunol, 2022
- SerpinB3 upregulates low-density lipoprotein receptor-related protein (LRP) family members, leading to Wnt signaling activation and increased cell survival and invasiveness. S. Quarta, A.Cappon, C. Turato, M. Ruvoletto, S. Cannito, G. Villano, A. Bias iolo, M. Maggi, **F. Protopapa**, L. Bertazza, S. Fasolato, M. Parola, P. Patisso. Biology, 2023

WORKEXPERIENCE

- **Teaching Assistant, Pathophysiology** – Università di Torino April 2023
 - 4 hours of lessons to 30 students regarding fluid and electrolyte balance and acid-base balance
- **Teaching Assistant, General Pathology** – Università di Torino April 2023
 - 4 hours of lessons to 10 students regarding metastasis formation and tumor invasiveness
- **Lab Assistant, Pathophysiology** – Università di Torino May 2022, June 2023
 - 16 hours of training to 30 students regarding RNA extractions, quantification and agarose gel electrophoresis

CONGRESSES

- UEG week virtual– 3rd, 4th, 5th October 2021 – virtualposter session
- 33rd AICC ANNUAL CONFERENCE: INTERNATIONAL MEETING ON CANCER METABOLISM, Torino, 22nd, 23rd, 24th November 2021
- 55th AISF annualmeeting – Rome, 16th, 17th March 2022