Nicoletta Gagliano
Full Professor

Education
Biological Sciences degree, Università degli Studi di Milano, Italy, 1992
PhD degree, Physiopathology of Aging, Università degli Studi di Milano, 1998

Academic Appointments
Full Professor, Histology, Medical School, Università degli Studi di Milano (2023 - currently)
Full Professor, Human Anatomy, Medical School, Università degli Studi di Milano (2020- 2023)
Associate Professor, Histology, Medical School, Università degli Studi di Milano (2010- 2020)
Assistant Professor, Human Anatomy, Medical School, Università degli Studi di Milano (2002-2010)

Member of the Translational Medicine PhD program.

Most recent full papers
1) Giovarelli M, Arnaboldi F, Zecchini S, Cornaghi LB, Nava A, Sommariva M, Clementi EGI, **Gagliano N**. *Characterisation of progressive skeletal muscle fibrosis in the mdx mouse model of duchenne muscular dystrophy: an in vivo and in vitro study.* Int J Mol Sci 23:8735, 2022.
2) Bianchi F, Sommariva M, Cornaghi LB, Denti L, Nava A, Arnaboldi F, Moscheni C, **Gagliano N**. *Mechanical cues, E-cadherin expression and cell "sociality" are crucial crossroads in determining pancreatic ductal adenocarcinoma cells behavior*. Cells 11(8):1318, 2022.
3) Fontana F, Marzagalli M, Sommariva M, **Gagliano N**, Limonta P. *In Vitro 3D cultures to model the tumor microenvironment*. Cancers (Basel) 13: 2970, 2021.
4) Sommariva M, **Gagliano N**. *E-cadherin in pancreatic ductal adenocarcinoma: a multifaceted actor during EMT.* Cells, 9, 1040, 2020.
5) Randelli F, Sartori P, Carlomagno C, Bedoni M, Menon A, Vezzoli E, Sommariva M, **Gagliano N**. *The collagen-based medical device MD-Tissue acts as a mechanical scaffold influencing morpho-functional properties of cultured human tenocytes.* Cells 9, 2641, 2020.
6) Fontana F, Raimondi M, Marzagalli M, Sommariva M, **Gagliano N**. (co-last), Limonta P. Three-dimensional cell cultures as an in vitro tool for prostate cancer modeling and drug discovery. *International Journal of Molecular Sciences* 21, 6806, 2020.
7) Sommariva M, **Gagliano N**. E-cadherin in pancreatic ductal adenocarcinoma: a multifaceted actor during EMT. Cells, 9, 1040, 2020.
8) Fontana F, Raimondi M, Marzagalli M, Sommariva S, Limonta P, **Gagliano N**. *Epithelial-to-mesenchymal transition markers and CD44 isoforms are differently expressed in 2D and 3D cell cultures of prostate cancer cells*. Cells 8: pii: E143, 2019.
9) Randelli F, Menon A, Giai Via A, Mazzoleni MG, Sciancalepore F, Brioschi M, **Gagliano N**. *Effect of a Collagen-Based Compound on Morpho-Functional Properties of Cultured Human Tenocytes.* Cells 7: pii: E246, 2018.
10) **N. Gagliano**, Menon A, Cabitza F, Compagnoni R, Randelli P. Morphological and molecular characterization of human hamstrings shows that tendon features are not influenced by donor age. Knee Surgery, Sports Traumatology, Arthroscopy 26: 343-352, 2018.
11) Procacci P, Moscheni C, Sartori P, Sommariva M, **Gagliano N**. *Tumor-stroma cross-talk in human pancreatic ductal adenocarcinoma: a focus on the effect of extracellular matrix on tumor cell phenotype and invasive potential.* Cells 7: pii: E158, 2018.
12) **N. Gagliano**, G. Celesti, L. Tacchini, S. Pluchino, C. Sforza, M. Rasile, V. Valerio, L. Laghi, V. Conte, P. Procacci. *Epithelial-to-mesenchymal transition in pancreatic ductal adenocarcinoma: characterization in a 3D-cell culture model*. World J Gastroenterol 22: 4466-4483, 2016.

Main research topics
Nicoletta Gagliano, PhD, is the director of the Extracellular Matrix Lab at the Department of Biomedical Sciences for Health of the University of Milan, Italy. She is a molecular biologist with high experience in cell cultures, gene and protein expression analysis, and morphologic methods. The field of research is related to the study of the expression of genes and proteins involved in extracellular matrix remodeling and collagen turnover in different pathological conditions, such as fibrosis, gingival overgrowth, tumor invasion, tendon pathology. Recently, the main field of interest was mainly focused on the study of epithelial-to-mesenchymal transition during the carcinogenesis process, with particular attention to the analysis of the phenotype of pancreatic ductal adenocarcinoma cells and their cross-talk with the extracellular matrix in the stroma.

Web site: www.scibis.unimi.it