

Cansu Gorgun

Tenure Track Researcher

EDUCATION AND TRAINING

15/04/2021

Ph.D. in Biotechnologies in Translational Medicine
Curriculum: Regenerative Medicine and Tissue Engineering
Department of Experimental Medicine, University of Genoa, Italy

05/01/2015

Master of Science (M.Sc.) in Stem Cell Biology
Institution of Health Sciences
Ege University, Turkey

20/06/2012

Bachelor of Science (B.Sc.) in Biochemistry
Biochemistry Department
Ege University, Turkey

PROFESSIONAL HISTORY

01/09/2025- now

Tenure Track Researcher
in Cellular and Experimental Biology (BIOS-10/A)
Department of Internal Medicine and Medical Specialties-DIMI
University of Genoa

21/04/2023- 20/07/2025

Marie Curie Post-doctoral Fellow
School of Pharmacy and Biomolecular Sciences (PBS, RCSI)
Trinity Biomedical Sciences Institute (TBSI, TCD)
Royal College of Surgeons in Ireland (RCSI) & Trinity College Dublin (TCD), Ireland

01/06/2020- 08/01/2023

Research Fellow
Department of Experimental Medicine
University of Genoa

15/05/2017- 15/05/2020

Marie Curie Early-Stage Researcher
Regenerative Medicine Laboratory
IRCCS Ospedale Policlinico San Martino, Genoa

15/05/2017- 15/05/2020

Research Fellow
Bioengineering Department
Ege University, Turkey

EXPERIENCE

MAIN PROCEEDINGS

2025 Gorgun C, Klavina P, Martins C, Payet C, Cavanagh B, Curtis A, Hoey D.
“The Role of Macrophage Polarization and Metabolic Reprogramming in Shaping Extracellular Vesicles for Bone Repair”
TERMIS-EU 2025. Freiburg, Germany.

2025 Gorgun C, Klavina P, Martins C, Payet C, Cavanagh B, Hoey D, Curtis A.
“Macrophage Polarization and Metabolic Reprogramming: Immunoengineering Extracellular Vesicles for Enhanced Bone and Tissue Repair”
RCSI Research Day 2025. Dublin, Ireland.

2025 Gorgun C, Klavina P, Martins C, Payet C, Cavanagh B, Hoey D, Curtis A.
“Human Macrophage Derived Extracellular Vesicles for Bone Repair”
BINI 2025, Athlone, Ireland.

2024 Gorgun C, Cavanagh B, Hoey D, Curtis A.
“Modulating Human Macrophage Metabolism through the Glycolytic Enzyme PKM-2 for the Generation of Regenerative Extracellular Vesicles”
Stem Cell Research Italy XII Meeting. Palermo, Italy.

2022 Gorgun C, Palama MEF, Reverberi D, Tasso R, Gentili C.
“Comparative Analysis of Extracellular Vesicles (EVs) derived from Adipose tissue- and Bone marrow- derived Mesenchymal Stromal Cells”
2nd Lugano ExoDay. Lugano, Switzerland.

2021 Gorgun C.
“Bone Marrow Mesenchymal Stromal Cells-Extracellular Vesicles Plays a Role in Cartilage Maturation”
TERMIS World Congress 2021. Virtual.

2021 Gorgun C, Palama MEF, Reverberi D, Tasso R, Gentili C.
“Comparative Analysis of Extracellular Vesicles (EVs) derived from Adipose tissue- and Bone marrow- derived Mesenchymal Stromal Cells”
ISEV 2021. Virtual.

2019 Gorgun C, Reverberi D, Balbi C, Barile L, Quarto R, Tasso R.
“Mesenchymal Stromal Cell Secretory Activity: The Role of Extracellular Vesicles in Angiogenesis”
1st EVIta (Italian Society of Extracellular Vesicles) Symposium. Palermo, Italy.

2019 Gorgun C, Villa F, Quarto R, Tasso R.
“Mesenchymal Stromal Cell Secretory Activity: The Role of Secretome Fractions in Angiogenesis”
TERMIS-EU 2019. Rhodes, Greece.

2015 Gorgun C, Urkmez AS.
“In vitro 3-dimensional Cancer Stem Cell-based Tumor Models”
European Cooperation in Science and Technology (COST), CM1106 “Chemical Approaches to Targeting Drug Resistance in Cancer Stem Cells”, Training School. Lisbon, Portugal.

RESEARCH POSITIONS (FELLOWSHIPS) AT FOREIGN UNIVERSITIES AND RESEARCH INSTITUTES (FELLOWSHIP)

[21/04/2023-20/07/2025](#)

Recipient of Marie-Curie Post-doctoral Fellowship 2022

Project: METABOLATE- METABOLic immuno-engineered biomATERials (Horizon Europe Project, funded by the European Union Horizon Europe program). ID:101106209.

Royal College of Surgeons in Ireland (RCSI) & Trinity College Dublin (TCD), Ireland

[13/02/2023-20/04/2023](#)

Recipient of ADMIRE-Marie-Curie Co-Fund Fellowship

Project: The Advanced Materials Research Postdoctoral Fellowship Programme (Horizon 2020 Project, funded by the European Union Horizon 2020 program and Science Foundation Ireland). ID: 945168 and Science Foundation Ireland (SFI) ID 12/RC/2278_P2. (Early termination due to acceptance of the Marie Curie Postdoctoral Fellowship 2022)

Royal College of Surgeons in Ireland (RCSI) & Trinity College Dublin (TCD), Ireland

[15/05/2017-15/05/2020](#)

Recipient of Marie-Curie Early-Stage Fellowship

Project: CarBon- Controlling Cartilage to Bone Transitions for Improved Treatment of Osteoarthritis and Bone Defects (Marie Skłodowska-Curie ITN Project, funded by the European Union Horizon 2020 program). ID: 721432.

IRCCS Ospedale Policlinico San Martino, Genoa

PRIZES AND ACCOLADES FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP OF ACADEMIES

[2024](#) “Registration Grant Award” for European Congress of Immunology 2024 from EFIS-ACTERIA Travel Grant.

[2024](#) “Travel and Registration Grant Award” for 1st European Immunometabolism Network, from Novo Nordisk Foundation.

[2022](#) “Best Poster Presentation Award” at Meeting XI Stem Cell Research Italy Meeting XI.

OTHER PROFESSIONAL EXPERIENCES

[14/03/2025-14/03/2035](#)

National Scientific Qualification (ASN) – Scientific Sector BIOS-10/A, Associate Professor level (second tier)