



Institute of Cellular Biology and Pathology "Nicolae Simionescu"

Cell and Tissue Engineering Department

CURRICULUM VITAE



Name: Vatamanu Sergiu - Marian

Nationality: Romanian

Born: August 15, 2002, Braşov, Romania

Telephone number: +40720308241

E-mail address: marian.vatamanu@icbp.ro

Adress: Bucharest, Romania

LinkedIn: <https://www.linkedin.com/in/sergiu-marian-vatamanu-6b7064260/>

ResearchGate: https://www.researchgate.net/profile/Vatamanu-Sergiu-Marian-2?ev=hdr_xprf

Education

2025 - currently – Research Assistan at the Institute of Cellular Biology and Pathology Nicolae Simionescu

2021 - 2025 - BSc in Biotechnology

2019 - 2021 - BSc in Biology (Experimental Biology Specialization), Faculty of Biology, University of Bucharest, Romania

2011 - 2015 – High School Diploma – Certification in the protection of natural resources and the environment, Braşov, Romania

Professional experience and forming

Sep 2025 – currently - Research assistant - Institute of Cellular Biology and Pathology "Nicolae Simionescu", Romanian Academy, Cell and Tissue Engineering Department

- *Supervised by Dr. Irina Titorencu*

01/7/2022 – 01/09/2022 – *internship in the Departament of Bionanomedicine, Institute of Cellular Biology and Pathology Nicolae Simionescu Bucharest, under the guidance of PhD Manuela Călin*

01/7/2023 – 01/09/2023 – *internship in the Departament of Inflammation and Cellular Adhesion, Institute of Cellular Biology and Pathology Nicolae Simionescu Bucharest, under the guidance of PhD Elena Butoi*

01/7/2024 – 01/09/2024 – *internship in the Departament of Gene Regulation and Therapies, Institute of Cellular Biology and Pathology Nicolae Simionescu Bucharest, under the guidance of PhD Anca Gafencu*

Member in Scientific Societies:

2022 – currently - The Romanian Society for Cell Biology (RSCB)

Key Skills

- Cell & Molecular Biology: Cell Culture, qPCR, Western blot, Flow Cytometry, Immunostaining, Cryo/Microtomy, Histology Techniques
 - Cell cultures
 - DNA, RNA extraction
 - Fluorescence microscopy
-

Languages

Romanian (Native)

English (Second language, advanced)

German (Third language, independent)

Publications

Articles

- 1) MΦ macrophage – N0 neutrophil dialogue in the presence of TNF-α affects the endothelium, Studia Universitatis Biologia 70(1):303-326, DOI: 10.24193/subbbiol.2025.1.14**

Abstracts

- 1. AN OPTIMIZED PROTOCOL FOR THE DECELLULARIZATION OF AORTAS AND VALVES, August 2025, Conference: Open Science Conference 9th International Symposium New Frontiers in Cardiovascular Research August 25th - 28th, 2025, DOI: 10.13140/RG.2.2.22117.51683**

2. Agarose Gel Protein Electrophoresis as an Alternative Method to SDS-PAGE, BIOTA 2024
3. MΦ macrophage – NO neutrophil dialogue in the presence of TNF-α affects the endothelium, BIOTA 2023

Oral presentations at international conferences

- 1) **Vatamanu Sergiu Marian & Anca Farcas, An optimized method for the decellularization of avian aortas and valves, Conference: Open Science Conference 9th International Symposium New Frontiers in Cardiovascular Research August 25th - 28th, 2025, DOI: 10.13140/RG.2.2.22117.51683**
- 2) THE IMPACT OF DOXORUBICIN ON THE VIABILITY AND MORPHOLOGY OF VASCULAR AORTIC SMOOTH MUSCLE CELLS, Romanian Society of Cellular Biology, Cluj-Napoca, 2022, DOI: [10.13140/RG.2.2.22389.86242](https://doi.org/10.13140/RG.2.2.22389.86242)

Posters presented at international meetings

- 1) **Biota 2023, MΦ-Macrophage/ Neutrophil dialogue in the presence of TNF-α profoundly affects the endothelium** Vatamanu Sergiu-Marian¹ , Monica Țucureanu² , Andreea Mihăilă² and Elena Butoi² ¹Babeș-Bolyai University, Faculty of Biology and Geology, Cluj-Napoca ²Department of Inflammation and Cell Adhesion, Institute of Cellular Biology and Pathology Nicolae Simionescu, București , DOI: [10.13140/RG.2.2.14734.57924](https://doi.org/10.13140/RG.2.2.14734.57924)