Adina-Gabriela Vasilescu

Nationality: Romanian   **Date of birth:** 29/08/1996   **Gender:** Female

📞 **Phone number:** (+40) 720403870   ✉ **Email address:** adina_puiu@yahoo.com

✉ **Email address:** adinapuiu1996@gmail.com

📍 **Home:** 15 Meridianului Street, 042102 Bucharest (Romania)

WORK EXPERIENCE

🏢 *Institute of Biochemistry of the Romanian Academy* – Bucharest, Romania

Website: https://www.biochim.ro/group-enzymology/ | **Name of unit or department:** Enzymology

Research Assistant

[20/10/2020 – Current]

Experience in experimental design and application for research projects.
My laboratory work comprised of cell cultures, quantification of the protein expression levels through Western Blotting and Immunoprecipitation, prokaryotic and eukaryotic protein expression and purification, studies on protein structures and also, mass spectrometric analysis of protein samples.

EDUCATION AND TRAINING

PhD Student

School of Advanced Studies of the Romanian Academy (SCOSAAR) [31/10/2020 – Current]

City: Bucharest | **Country:** Romania | **Website:** https://acad.ro/scosaar/index.html | **Field(s) of study:** Proteomics ; Cancer research ; Genomics

Discovery of new proteins, characterization of protein-protein interactions and improvement of diagnostic methods of breast cancer

Master's Degree in Applied Genetics and Biotechnology

Faculty of Biology, University of Bucharest [30/09/2018 – 28/06/2020]

City: Bucharest | **Country:** Romania | **Website:** https://www.bio.unibuc.ro/ | **Field(s) of study:** Advanced Genetic Analysis ; Current Issues of Animal Genetics ; Current Issues of Human Genetics ; Molecular Techniques in Genetics ; Genetics and Biotechnology of Microorganisms ; Bioinformatics ; Genetics and Biotechnology of Plants ; Immunogenetics ; Proteomics ; Transcriptomics ; Epigenetics ; Statistics | **Level in EQF:** EQF level 7

Critical analysis of literature
Ability to work in strict laboratory conditions
Ability to work with laboratory equipment
Experimental design
Ability to work under pressure
Team work
Leadership skills

Bachelor's Degree in Biology

Faculty of Biology, University of Bucharest [30/09/2015 – 27/06/2018]

City: Bucharest | **Country:** Romania | **Website:** https://www.bio.unibuc.ro/ | **Field(s) of study:** Genetics ; Genetics of Microorganisms ; Genomics ; Medical Biology ; Embryology and Histology ; Cell Biology ; Molecular Biology ; Taxonomy ; Anatomy ; Biotechnology ; Genetic engineering ; Biochemistry ; Statistics ; Evolutionism | **Level in EQF:** EQF level 6

Critical analysis of literature

Ability to work in strict laboratory conditions
Ability to work with laboratory equipment
Experimental design
Ability to work under pressure
Team work
Leadership skills

High School Graduate in Mathematics and Computer Science

"Mihai Viteazul" National College [08/2011 – 06/2015]

City: Bucharest | **Country:** Romania | **Website:** https://www.cnmv.ro/ | **Field(s) of study:** Natural sciences, mathematics and statistics

School Graduate

Middle School no. 113 "David Praporgescu" [08/2003 – 06/2011]

RESEARCH PROJECTS

[01/02/2022 – 31/12/2024]
Bilateral Collaboration between Romanian Academy and Hungarian Academy - Radiolabelling of affibody for tumor diagnostic and theranostic application in the nuclear medicine

[31/01/2021 – 31/10/2022]
PN-III-P2-2.1-PED-2019-4184 (no: 548/2020, "The Development in Oncology of Novel Radiopharmaceuticals and Nuclear Techniques for Diagnostic Imaging and Personalized Treatment at Molecular Level" (NARAD)

[20/10/2020 – 30/09/2021]
PN-III-P1-1.2-PCCDI-2017-0737 (no:35/2018), "Genomic mapping of population from polluted area with radioactivity and heavy metals to increase national security" (ARTEMIS)

PUBLICATIONS

[2025]
Breaking the cancer code: a novel DNA minicircle to disable STAT3 in ovarian cancer cells SKOV3

Authors: Adina-Gabriela Vasilescu, Andrei-Mihai Vasilescu, Livia Elena Sima, Natalia Baran, Stefan-Eugen Szedlacsek | **Journal Name**: Frontiers in Pharmacology

[2025]
A novel cytotoxic anti-B7-H3 affibody with therapeutic potential in acute myeloid leukemia

Authors: Andrei-Mihai Vasilescu, Adina-Gabriela Vasilescu, Livia Elena Sima, Cristian V.A. Munteanu, Natalia Baran, Stefan-Eugen Szedlacsek | **Journal Name**: Frontiers in Pharmacology

[2022]
"Labelling anti-HER2-affibodies with Mn-52 via pyclen based bifunctional ligands: from ligand design to in vivo PET/MR experiments" Authors: Varadi, B.; Garda, Z.; Madarasi, E.; Brezovcsik, K.; Vagner, A.; Nagy, T.; Garai, I.; Ngo, T. M.; **Puiu, A. G**.; Vasilescu, A. M.; Szucs, Z.; Szedlacsek, S. E.; Nagy, G.; Tircso, G.European Journal of Nuclear Medicine and Molecular Imaging Volume 49, Issue SUPPL 1, Page S283-S283, Supplement 1, Special Issue SI, Meeting Abstract OP-881

[2021]
"Comparative Analysis Between Cellular Oncogenes and Viral Oncogenes" Authors: **Adina-Gabriela Puiu**, Oana Grigoras, Maria-Irina Preda, Marian Constantin, Andrei-Mihai Vasilescu.Biointerface Research in Applied Chemistry, Volume 115, page 9939-9951.

Link: https://biointerfaceresearch.com/

CONFERENCES AND SEMINARS

[10/02/2025] CETAL-INFLPR, Magurele
Organ-on-Chip workshop

[05/07/2025 – 09/07/2025] Istanbul
The 49th FEBS Congress 2025 Poster presentation and abstract publication: „Development of a novel small circular DNA decoy inhibitor targeting STAT3 for cancer therapy". FEBS Open Bio. 15:P-32-102. DOI: 10.1002/2211-5463.70071. Puiu, A., Vasilescu, A. & Szedlacsek, S. 2025

[11/05/2025 – 15/05/2025] Gold Coast in Queensland, Australia
The 26th International Symposium on Radiopharmaceutical Sciences Poster presentation: "89Zr-radiolabeling of p-NCS-Bz-DFO-anti-HER2 affibody immunoconjugate and in vitroassessment of its potential in HER2+ breast cancer imaging"; Dana Niculae, Maria-Roxana Cornoiu, Adina Gabriela Puiu, Radu Anton Leonte, Diana Cocioabă, Radu Serban, Dragos Andrei Niculae, Alina Catrinel Ion.

[02/10/2024 – 03/10/2024] Institute of Biochemistry of the Romanian Academy, Bucharest
NanoTemper Seminar & Hands-On Workshop

[17/04/2024] Novotel Hotel, Bucharest
GEN&PATH II Altium Romania Symposium

[21/03/2023 – 24/03/2023] Online
Sigma Xience Workshop

Link: www.sigmaxi.org

[17/11/2022 – 19/11/2022] Online
International Pathology Conference of the Victor Babes Institute from Bucharest

Link: https://www.ivb.ro/2022_path_conference

[25/10/2022] Sheraton Hotel, Arizona & Colorado Conference Room, Bucharest
Seminar "Fit for purpose – Merck Life Science solutions for all your needs"

Link: https://www.merckgroup.com/en

[14/12/2020 – 16/12/2020] Online
"XII Hands-on course in Sample Treatment for Proteomics" from Proteomass Scientific Society, Portugal

Link: https://www.bioscopegroup.org/

[05/11/2020 – 07/11/2020] Online
Workshop „ARTEMIS - Genomic mapping of population from area polluted with procarcinogens"

[18/10/2019] Faculty of Biology, University of Bucharest
"Genomics from a Biophysist's Perspective" - Dumitru A. Iacobaș, Ph.D

SKILLS

Microsoft Office / Genomics Bioinformatics Tools / ECDL Certification / identify research topics / Ability in the organization and development of research projects / Research and scientific writing / BioRender (Scientific illustrations) / disseminate results to the scientific community / data visualisation software

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** C1
SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

French

LISTENING B2 **READING** B2 **WRITING** B1
SPOKEN PRODUCTION B1 **SPOKEN INTERACTION** B1

Spanish

LISTENING C1 **READING** C1 **WRITING** B2
SPOKEN PRODUCTION B1 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DRIVING LICENCE

Driving Licence: B