

PERSONAL INFORMATION

POJAR (married ERHAN) SABINA - EMANUELA



POSITION PhD Student

WORK EXPERIENCE

November 2023-present Maternity Leave

September 2022 – TMF Reviewer

November 2023

Parexel International SRL, Grigore Alexandrescu Street, no 89-97, Bucharest, Romania
Business or sector Clinical Research Organization, Biopharmaceutical Services Company

January 2020 – September 2022 Junior Researcher

National Institute for Research and Development of Izotopic and Molecular Technologies, Donath Street, no 67-103, Cluj County, Romania
Business or sector Research, Education

November 2020 – June 2022 Junior Researcher

Joint Institute for Nuclear Research, Laboratory of Radiation Biology
Business or sector Research, Education

January 2017- January 2020 Biologist

CORD BLOOD CENTER Laboratories, Stem Cell Bank, Eftimie Murgu Street, no 2A, Cluj County, Romania
Business or sector Biotechnology, medical and pharmaceutical

EDUCATION

2020-present PhD Student, Biology

Babeş-Bolyai University, Faculty of Biology and Geology, Cluj-Napoca, Romania

Doctoral School of Integrative Biology, Field: Biology

2016-2018 Master of Science, Molecular Biotechnology

Babeş-Bolyai University, Faculty of Biology and Geology, Cluj-Napoca, Romania

2013-2016 Bachelor of Science, Biology

Babeş-Bolyai University, Faculty of Biology and Geology, Cluj-Napoca, Romania

2006-2010 Baccalaureate degree

Choreography and Dramatic Art High School "Octavian Stroia", Cluj-Napoca, Romania

**SPECIALIZED
COURSES AND
WORKSHOPS**

- 2023 **MLZ Conference 2023: Neutrons for Biomaterials**
 May 22-25th, Heinz Maier-Leibnitz-Zentrum (MLZ), Schloss Fürstenried, Munich, Germany
BIO.T.A. (BIOdiversitate, Tradiții și Actualitate)
 May 5-6th, CREIC Center, Cluj-Napoca 400647 Romania
- 2021 **MLZ Conference 2021: Neutrons for Life Sciences**
 June 8-11th, Heinz Maier-Leibnitz-Zentrum (MLZ), Garching, Munich, Germany
The XXV International Scientific Conference of Young Scientists and Specialists (AYSS-2021)
 October 11-15th, Institute of Nuclear Physics (INP), Almaty, Republic of Kazakhstan
BIO.T.A. (BIOdiversitate, Tradiții și Actualitate)
 November 19th, Faculty of Biology and Geology, Babeș-Bolyai University, Cluj-Napoca, Romania
JINR Prizes for Young Scientists and Specialists for 2020-2021
 Joint Institute for Nuclear Research (JINR)
- 2020 **ORNL Online Course on Neutron Scattering Applications in Structural Biology Virtual HANDS**
 June 2020, Spallation Neutron Source, Oak Ridge National Laboratory , United States of America
EMBL Online Lecture Course on Solution Scattering from Biological Macromolecules
 European Molecular Biology Laboratory (EMBL) Hamburg, May 5 - June 2, 2020, Germany
24th JCNS Laboratory Course Neutron Scattering 2020
 Online course, Forschungszentrum Jülich (JCNS) in cooperation with RWTH Aachen, Germany
- 2019 **Central European Training School on Neutron Scattering**
 May 2019, KFKI, Budapest, Hungary
- 2018 **Nordic Neutron Science Programme (NNSP) – low-dimensional structures network kick-off meeting**
 May 2018, Institute for Energy Technology, Kjeller, Norway
- 2018,2017 **Insights in Hematology meeting**
 Oncology Institute “Prof.Dr. Ioan Chiricuță”, Cluj-Napoca, Romania

**PERSONAL
SKILLS**

Mother tongue(s)	Romanian																								
Other language(s)	<table border="1"> <thead> <tr> <th colspan="2">UNDERSTANDING</th> <th colspan="2">SPEAKING</th> <th>WRITING</th> </tr> <tr> <th>Listening</th> <th>Reading</th> <th>Spoken interaction</th> <th>Spoken production</th> <th></th> </tr> </thead> <tbody> <tr> <td>C2</td> <td>C2</td> <td>C2</td> <td>C2</td> <td>C2</td> </tr> <tr> <td>C1</td> <td>C1</td> <td>B1</td> <td>B1</td> <td>A2</td> </tr> </tbody> </table>					UNDERSTANDING		SPEAKING		WRITING	Listening	Reading	Spoken interaction	Spoken production		C2	C2	C2	C2	C2	C1	C1	B1	B1	A2
UNDERSTANDING		SPEAKING		WRITING																					
Listening	Reading	Spoken interaction	Spoken production																						
C2	C2	C2	C2	C2																					
C1	C1	B1	B1	A2																					
English	C2	C2	C2	C2	C2																				
Spanish	C1	C1	B1	B1	A2																				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](http://ec.europa.eu/dgs/education_culture/policies/learning_lifelong/european_Framework_of_Ref_for_Languages_en.htm)

Communication skills Team spirit, good communication skills, empathy.

Organisational / managerial skills Romania – JINR Dubna collaboration program between 2016-2021, laboratory team responsible at UBB Cluj-Napoca

Job-related skills Ability to work in different environments, mental and physical ability to work extended periods.

Digital competence	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](http://ec.europa.eu/dgs/education_culture/policies/learning_lifelong/european_Framework_of_Ref_for_Languages_en.htm)

Systems: Experienced user of Windows operating system.

Software: Molecular visualization, graphical programs; Office tools (Word, Excel, PowerPoint).

Technical skills Molecular biology determination (ELISA, PCR, electrophoresis etc.), biochemical determinations etc. Capability to handle laboratory animals (rats, mice) and prepare animal trial laboratory experiments. Processing and data treatment resulted from samples after proton irradiation of cell cultures and sample tissue from laboratory animals (mice, rats). Neutron scattering experiments (biological soft matter, beginner) and capability of handling laboratory equipment specific for biological research. Triage, processing in a sterile environment, freezing and storage in liquid nitrogen of cord blood units and other tissue fragments obtained from the human umbilical cord and placenta (Stem Cell bank laboratory techniques).

Driving licence B category

Publications	A. I. Moldovan, A. B. Țigu, C. T. Jula, C. S. Moldovan, S. POJAR , R. Drula, M. L. Nistor, B. P. Moldovan, D. Gulei, C. L. Roșioru, Lycopene and Phycocyanin - Biological Properties in Experimental Diabetes: 1. Effects on Blood Parameters and Liver Carbohydrates, <i>STUDIA UNIVERSITATIS BABEŞ-BOLYAI BIOLOGIA, LXI</i> , 2, 2016 (p. 31-39) A. B. Țigu, A. I. Moldovan, C. S. Moldovan, S. POJAR , R. Drula, C. T. Jula, D. Gulei, M. L. Nistor, B. P. Moldovan, C. Ș. Mirescu, C. L. Roșioru, Lycopene and Phycocyanin - Biological Properties in Experimental Diabetes: 2. Effects on Biochemical, Enzymatic and Histological Parameters, <i>STUDIA UNIVERSITATIS BABEŞ-BOLYAI BIOLOGIA, LXI</i> , 2, 2016 (p. 41-54) S.-E. ERHAN , A. V. Boreyko, R. A. Kozhina, E. A. Kuzmina, E. V. Ilyina, S. I. Tiounchik & V. N. Chausov, Induction of DNA Damage in Neuronal Cells of Mice under the Influence of Repair Inhibitors under the Action of Gamma-Rays <i>in vivo</i> , Physics of Particles and Nuclei Letters, 19, 2022, 586–589. R. A. Kozhina, A. V. Boreyko, V. N. Chausov, S. E. ERHAN , E. V. Ilyina, S. N. Koryakin, E. A. Kuzmina, O. N. Matchuk, E. I. Selivanova & S. I. Tiounchik, The Effect of DNA Synthesis Inhibitor on DNA Damage Induction in Melanoma Cells after Exposure to Protons, Physics of Particles and Nuclei Letters, 19, 2022, 590–593. ERHAN, S.E. , Pârvu, A.E., Ciorăță, A., Putri, A.A., Villagrana Molina, A.J., Pârvu, M., Mot, A.C., (2023), Chemical composition and anti-inflammatory effect of <i>Phellodendron amurense</i> Rupr. stem bark extract, Notulae Botanicae Horti Agrobotanici Cluj-Napoca, Volume 51, Issue 3, Article number 13306. Ciorăță, A., ERHAN, S.E. , Soran, M.L., Lung, I., Mot, A.C., Macavei, S.G., Pârvu, M. (2024) Pharmacological Potential of Three Berberine-Containing Plant Extracts Obtained from <i>Berberis vulgaris</i> L., <i>Mahonia aquifolium</i> (Pursh) Nutt., and <i>Phellodendron amurense</i> Rupr, <i>Biomedicines</i> , Volume 12, Article ID 1339.
Conferences	9 international conferences
Prizes	3rd place - JINR Prizes for Young Scientists and Specialists for 2020-2021 Best report - The XXV International Scientific Conference of Young Scientists and Specialists, 2021