



Alexandra-Maria Banica

Date of birth: 29 Mar 1994 ✉ Email: alexandrambanica@gmail.com

WORK EXPERIENCE

Research Scientist

Eurofins Integrated Discovery [Aug 2024 – Current]

City: Ongar | Country: United Kingdom

- biochemical and cell-based assay development
- medium throughput screening techniques

Field Application Scientist

Dexter Com [Jun 2022 – Aug 2023]

City: Bucharest | Country: Romania

Research Assistant

Institute of Biochemistry of the Romanian Academy [Oct 2018 – Aug 2023]

City: Bucharest | Country: Romania

Medical Laboratory Assistant

Polimed [Jan 2017 – Jan 2018]

City: Bucharest | Country: Romania

EDUCATION AND TRAINING

PhD student

School of Advanced Studies of the Romanian Academy [Nov 2018 – Current]

City: Bucharest | Country: Romania

MSc in Applied Microbiology and Immunology

University of Bucharest [Oct 2016 – Jun 2018]

City: Bucharest | Country: Romania

BSc in Biochemistry

University of Bucharest [Oct 2013 – Jun 2016]

City: Bucharest | Country: Romania

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

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

DIGITAL SKILLS

Microsoft Office / Adobe Photoshop / GraphPad Prism / SoftMax Pro / SnapGene / CellReporter Xpress

PUBLICATIONS

[2024]

Oleic acid released by sensory neurons inhibits TRPV1-mediated thermal hypersensitivity via GPR40 Maksim Sendetski, Saskia Wedel, Kenta Furutani, Lisa Hahnefeld, Carlo Angioni, Jan Heering, Bela Zimmer, Sandra Pierre, Alexandra-Maria Banica, Klaus Scholich, Sorin Tunaru, Gerd Geisslinger, Ru-Rong Ji, Marco Sisignano. <https://doi.org/10.1016/j.isci.2024.110552>

[2023]

Inhibition of TRPM8 function by prostacyclin receptor agonists requires coupling to Gq/11 proteins Cosmin Trif, Alexandra-Maria Banica, Alexandra Manolache, Sorina Andreea Anghel, Debora-Elena Huțanu, Teodora Stratulat, Rodica Badea, George Oprita, Tudor Selescu, Stefana M. Petrescu, Marco Sisignano, Stefan Offermanns, Alexandru Babes, Sorin Tunaru. <https://doi.org/10.1111/bph.16295>

CONFERENCES & SEMINARS

[26 Sep 2019 – 27 Sep 2019] Iași, Romania

Functional interaction between Transient Receptor Potential Member 8 (TRPM8) and prostacyclin receptor Oral presentation at the Annual International Conference of RSBMB

PROJECTS

Next generation of drug targets for schizophrenia (NEXTDRUG) Research Assistant in project number EEA-RO-NO-2018-0535

Drug repurposing as a source of novel medication for type-2-diabetes (REPODRUG) Research Assistant in project number PN-III-P2-2.1-PED-2019-5179

Development of radiopharmaceuticals and nuclear techniques in oncology, for imaging and personalised treatment at the molecular level (ONCORAD) Research Assistant in project number PN-III-P1-1.2-PCCDI-2017-0769