

PERSONAL INFORMATION

Diana-Cecilia Bica



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Sex F | Date of birth 24/10/1989 | Nationality Romanian

WORK EXPERIENCE

April 2016-present

Biologist

Research Center for Functional Genomics, Biomedicine and Translational Medicine
Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca

Main responsibilities and activities

- NextGen Sequencing
- qRT-PCR
- nucleic acid extraction and quantification
- bioinformatics analysis

January 2016-present

Internship

Research Center for Functional Genomics, Biomedicine and Translational Medicine
Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca

Main responsibilities and activities

- NextGen Sequencing
- qRT-PCR
- nucleic acid extraction and quantification

December 2014-August 2015

Biologist

Terapia S. A, Cluj-Napoca
Quality control department, microbiology laboratory

Main responsibilities and activities

- Microbial contamination analyses for raw materials, intermediate products, and oral solid products
- Sterility control analyses for injection products, detergents, and disinfectants
- Interpretation of microbiological analyses results and completion of analysis bulletins

January 2014-present

Research Assistant

Institute of Biological Research, Cluj-Napoca

Main responsibilities and activities

- Contributing to team decisions about research directions
- Identifying and optimizing suitable techniques for the collection and analysis of data
- Assisting in the development and preparation of continuing funding opportunities

Sector : Ecology and Taxonomy, The Algology Group

EDUCATION AND TRAINING

- 2016-present PhD student -bioinformatics
Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca
- 2012-2014 MSc. in Molecular Biotechnologies
Faculty of Biology and Geology, Babes-Bolyai University of Cluj-Napoca, Romania
 - Cell and molecular biology
- 2009-2012 BSc. in Biology
Faculty of Biology and Geology, Babes-Bolyai University of Cluj-Napoca, Romania

PERSONAL SKILLS

Mother tongue Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	C1	C1	B2
French	B1	B1	B1	B1	B1

Communication skills ▪ good communication skills gained through my experience as a research assistant

Job-related skills

- Good research skills
- Experience in carrying out experimental research
- Good skills in:
 - Optical microscopy techniques;
 - Operating the lab equipment and software programs
 - Biochemical analysis techniques: spectrophotometry, DNA/RNA quantification;
 - Molecular methods: DNA extraction, PCR, DNA sequencing, ELISA, NextGen Sequencing;
 - Bioinformatics techniques: BLAST, CLC Sequence Viewer, Mega 5.6., BioEdit, ContigExpress, FastPCR, GeneSpring GX.

Computer skills ▪ Good command of Microsoft Office™ tools

Other skills

- Ability to resolve problems independently
- Patient, persevering, considerate

Driving licence ▪ B category

ADDITIONAL INFORMATION

Conferences Participation with poster 'Cost-effective methods to extract gDNA in order to identify microorganisms with biotechnological potential' at **SRBC**; Romanian Society of Cell Biology, 4-7 June 2014, Targu-Mures, Romania

Participation at the international congress **Insights in Hematology**, 11-12 march 2016, Cluj-Napoca, Romania

Participation at **Cluj Innovation Days**, 31 March - 1 April 2016, Cluj-Napoca, Romania

Participation with presentation „*Bioinformatics analysis of NGS data*” at **The first conference of NextGen Sequencing users in Romania**, București, 15 septembrie 2016.

Publications

1. **Pop-Bica, C.**; Gulei, D.; Cojocneanu-Petric, R.; Braicu, C.; Petrut, B.; Berindan-Neagoe, I., Understanding the Role of Non-Coding RNAs in Bladder Cancer: From Dark Matter to Valuable Therapeutic Targets. *International journal of molecular sciences* 2017, 18 (7).
2. **Pop-Bica, C.**; Pinteaa, S.; Cojocneanu-Petric, R.; Del Sal, G.; Piazza, S.; Wu, Z. H.; Alencar, A. J.; Lossos, I. S.; Berindan-Neagoe, I.; Calin, G. A., MiR-181 family-specific behavior in different cancers: a meta-analysis view. *Cancer metastasis reviews* 2018, 37 (1), 17-32.
3. Gulei, D.; Magdo, L.; Jurj, A.; Raduly, L.; Cojocneanu-Petric, R.; Moldovan, A.; Moldovan, C.; Florea, A.; Pasca, S.; Pop, L. A.; Moisoiu, V.; Budisan, L.; **Pop-Bica, C.**; Ciocan, C.; Buiga, R.; Muresan, M. S.; Stiuftuc, R.; Ionescu, C.; Berindan-Neagoe, I., The silent healer: miR-205-5p up-regulation inhibits epithelial to mesenchymal transition in colon cancer cells by indirectly up-regulating E-cadherin expression. *Cell death & disease* 2018, 9 (2), 66.
4. **Bica-Pop, C.**; Cojocneanu-Petric, R.; Magdo, L.; Raduly, L.; Gulei, D.; Berindan-Neagoe, I., Overview upon miR-21 in lung cancer: focus on NSCLC. *Cellular and molecular life sciences: CMLS* 2018, 75 (19), 3539-3551.