

PERSONAL INFORMATION



Ciorîță Alexandra

 Cluj-Napoca, Romania

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WORK EXPERIENCE

04/2018-Present

**Research assistant**

National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca

*Description:*

- Biological samples preparation and analyses using light microscopy, transmission and scanning electron microscopy, and EDX spectroscopy.
- Obtaining and interpreting SEM and TEM images;
- Obtaining and interpreting EDX spectroscopy maps and graphics;

11/2017-04/2018

**Call-center agent, Romanian**

Regina Maria, Cluj-Napoca

*Description:*

- Customer support and appointments.

06/2016-01/2017

**Call-center agent, English**

ARVATO, Cluj-Napoca

*Description:*

- Customer support for UK. Helping Microsoft clients with their devices, especially Xbox maintenance, and with their Microsoft accounts.

## EDUCATION AND TRAINING

- 2017 - PRESENT Doctorate (Ph.D.): Integrative Biology, Biology and Geology Faculty of "Babes-Bolyai" University, Cluj-Napoca, Romania;
- 2015 - 2017 Master's degree: Medical Biology, Biology and Geology Faculty of "Babes-Bolyai" University, Cluj-Napoca, Romania;
- 2012 - 2015 Bachelor's degree: Biology, Science Faculty, "Vasile Alecsandri" University, Bacau, Romania

## PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C1
French	B1	B2	A2	A2	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

- Communication skills**
- The various workplaces that I had, helped in improving my team-work spirit and other communication skills. Well-organized and disciplined, sociable and hard-working.
- Job-related skills**
- Experience in transmission and scanning electron microscopy
  - Microbiology;
  - Cell-cultures.
  - Knowledge of Microsoft Office™ and Windows systems;
- Other skills**
- ImageJ;
  - CorelDRAW – medium level.
  - Python - beginner level
- Driving license**
- Category **B**

## OTHER INFORMATION

 Research papers presented  
at scientific conferences

- Microtubules: From Atoms to Complex Systems – Virtual; 2020; Poster: *Single kinesin-8, Kip3, stabilizes microtubules*; **Ciorîță, A.**, Bugiel, M., Schaeffer, E., Jannasch, A.;
- 18<sup>th</sup> International Conference “Life Sciences for Sustainable Development”, September 2019; Poster: The influence of nanoparticles based on Cu and Ti on bioactive compounds from wheat; I. Lung, O. Oprea, O. Culicov, A. Stegărescu, **A. Ciorîță**, S. Pintea, S. Guțoiu, I. Zinicovscaia, N. Yushin, K Vergel, M.L. Soran;
- 12<sup>th</sup> International Conference „Processes in Isotopes and Molecules”, September 2019; Poster: Automated photographic device for real-time monitoring of in vitro biological samples, **Ciorîță Alexandra**, Vasile Surducan, Emanoil Surducan;
- 18<sup>th</sup> International Balkan Workshop on Applied Physics and Materials Science, July 2018; Poster presentation: *Light and electron microscopy analysis of the leaves of Vinca species*, **Ciorîță Alexandra**, Tripon Septimiu Cassian, Podar Dorina, Barbu Lucian, Pârvu Marcel;
- 5<sup>th</sup> edition of BIOTA Symposium: Biodiversity, Tradition & Topicality March 2018; Oral presentation: *Aspecte morfologice și ultrastructurale ale frunzelor de Vinca: V. minor, V. major și V. herbacea* [Morphological and ultrastructural differences between the leaves of *Vinca* species: *V. minor*, *V. major* and *V. herbacea*], **Ciorîță Alexandra**, Tripon Septimiu Cassian, Barbu Lucian, Pârvu Marcel;
- 5<sup>th</sup> edition of BIOTA Symposium: Biodiversity, Tradition & Topicality March 2018; Coauthor in poster presentation: *Morfologia și ultrastructura la frunze de Plantago* [Morphology and ultrastructure of *Plantago* leaves], Boancă Filip-Paul, **Ciorîță Alexandra**, Tripon Septimiu Cassian, Pârvu Marcel;
- 11<sup>th</sup> International Conference ”Processes in Isotopes and Molecules – P.I.M.”, September 2017; Poster presentation: *Tissue distribution of intravenous and intraperitoneal administration of SPIONs in a rat model*, **Ciorîță Alexandra**, Suci Maria, Olar Loredana, Mirescu Claudiu, Tripon Septimiu Cassian, Crăciunescu Izabell, Barbu-Tudoran Lucian;
- 17<sup>th</sup> International Balkan Workshop on Applied Physics, July 2017; Poster presentation: *Time-dependent organ response to SPIONs in rats*, **Alexandra Ciorîță**, Maria Suci, Loredana Olar, Claudiu Mirescu, Septimiu Tripon, Izabell Crăciunescu, Lucian Barbu-Tudoran;
- 2<sup>nd</sup> ”Conference of the Romanian Electron Microscopy Society – C.R.E.M.S.”, May 2017; Poster presentation: *Hyperthermia effects on skin cells*, **Ciorîță Alexandra**, Macavei Sergiu Gabriel, Suci Maria, Tripon Septimiu Cassian, Crăciunescu Izabell, Barbu-Tudoran Lucian;

- Research projects
- Research assistant in project RO-NO-2019-0616, 01.09.2020 – 31.08.2023, GraphTiD - "TiO<sub>2</sub> nanotubes/ graphene-based nanomaterials to address the emerging contaminants pollution";
  - Research assistant in project PN-III-P1-1.2-PCCDI-2017-0387, "Emerging technologies for industrial valorification of 2D structures (graphene and nongraphic)". Examination of graphene and nongraphenic structures using scanning electron microscopy (SEM) and EDX methods and *in vitro* evaluation of subcellular effects induced by graphene and nongraphenic structures on human cell lines;
  - Biologist in project P-40-374, UBB-TeMATIC-Art, "Partnership for transfer of innovative technologies and advanced materials in visual arts (production, conservation, restoration)". Examination of archived documents and paintings using SEM;
  - Biologist in the project PN II RU TE 2014-4-0608 called "Characterization of the sub-cellular effects of functionalized magnetic nanoparticles in targeted anti-tumor therapy", between 18/April-30/September 2017. The activity took place at "Constantin Craciun" Laboratory, of "Babes-Bolyai" University, Cluj-Napoca and other affiliated institutions (National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca; Agricultural Sciences and Veterinary Medicine University, Cluj-Napoca).
- Exchange programs
- Erasmus+. Research mobility at University of Tuebingen, ZMBP laboratory, Cellular Nanoscience department, Germany. During March-June/2019 we evaluated cellular engines (kinesins) in different conditions, using the total internal reflection fluorescent microscope (TIRF-M).