

ÁGOTA SIMON



Assistant
Research
Scientist

PERSONAL INFORMATION



Măgurele
Romania



agota.simon@inflpr.ro

JOB RELATED SKILLS

Spectroscopy

Laser Physics

Optofluidics

Microfluidics

Optical Microscopy

SketchUp

Origin

Pascal

Mathematica

ImageJ

Photoshop

Photoscape



WORK EXPERIENCE

- Jan. 2014 – Present **Assistant Research Scientist**
Laser Spectroscopy and Optics Group, Laser Department,
National Institute for Laser, Plasma and Radiation Physics,
Măgurele, Ilfov, Romania
- Oct. 2014 – Feb. 2015 **Associated Teaching Assistant**
Faculty of Biology, University of Bucharest,
Bucharest, Romania
- Oct. 2012 – Dec. 2013 **Assistant Research Scientist Trainee**
Laser Spectroscopy and Optics Group, Laser Department,
National Institute for Laser, Plasma and Radiation Physics,
Măgurele, Ilfov, Romania



EDUCATION

- 2014 – Present **PhD Student**
Doctoral School of Optics, Spectroscopy, Plasma and Lasers,
Faculty of Physics, University of Bucharest,
Măgurele, Ilfov, Romania
- 2012 – 2014 **Master Degree in Medical Biophysics**
Faculty of Physics, University of Bucharest,
Măgurele, Ilfov, Romania
- 2009 – 2012 **Bachelor Degree in Biophysics**
Faculty of Physics, University of Bucharest,
Măgurele, Ilfov, Romania
- 2005 – 2009 **High School Diploma**
Márton Áron High School
Miercurea Ciuc, Harghita, Romania
- 2001 – 2005 **Middle School Diploma**
Nagy István Art School
Miercurea Ciuc, Harghita, Romania



INTERNATIONAL EXPERIENCE

- 9-23 Mar. 2015 **Short Term Scientific Mission**
European Cooperation in Science and Technology (COST)
Action MP1106
Consiglio Nazionale delle Ricerche – Istituto per l'Energetica
e le Interfasi, Genova, Italy
- 3-5 Mar. 2015 **Training School**
*Advanced course on detection, quantification and modelling
strategies for environmental Engineered NanoMaterials*
COST Action ENTER
Luxembourg Institute of Science and Technology (LIST) –
Centre de Recherche Public Gabriel Lippmann,
Belvaux, Luxembourg

MANAGERIAL SKILLS

Communication

Research

Adaptability

Problem Solving

Teamwork

Stress Management

Self-confidence

Creativity

Critical Thinking

Teaching

LANGUAGES

English B1 – B2

Romanian C2

Hungarian Mother Tongue

HOBBIES



28 Apr. – 26 May 2013 **Short Term Scientific Mission**

COST Action MP1106

Engineering of Fibrous Smart Materials (EFSM), Faculty for Engineering Technology (CTW), University of Twente, Enschede, The Netherlands

23-25 Apr. 2013

Training School

A way to Smart Europe

University of Twente, Enschede, The Netherlands

Feb. – Jul. 2012

Erasmus Exchange Programme

University of Groningen, The Netherlands



PROJECTS

Apr. 2018 – Apr. 2020

Zero-Gravity Instrument Project (ZGIP) – Project Leader

Funding: United Nations Office for Outer Space Affairs (UNOOSA)

Apr. 2018 – Feb. 2019

Drop Tower Experiment Series 2018 (DropTES 2018) – Project Coordinator

Funding: UNOOSA, German Aerospace Center (DLR) Space Administration, Center of Applied Space Technology and Microgravity (ZARM)

Microgravity Experiments: ZARM Drop Tower, Bremen, Germany, 19-30 November 2018.

Febr. 2015 – Febr. 2016

Spin Your Thesis! 2015 (SYT 2015) – Project Leader

Funding: European Space Agency (ESA) Education Office
Hypergravity Experiments: Large Diameter Centrifuge (LDC), Life and Physical Sciences Instrumentation and Life Support Laboratory (LIS), European Space Research and Technology Centre (ESTEC), ESA, Noordwijk, The Netherlands, 14-18 September 2015.

May – Jul. 2012

Bachelor Research Project within the Erasmus Exchange Programme

Single Molecule Biophysics Group, University of Groningen, The Netherlands



MEMBERSHIPS

Mar. 2013 – 2021

SPIE Student Membership

2014 – Secretary

2015 – President

2016 & 2017 – Vice-President

2018 – Treasurer

Dec. 2015 – 2021

OSA Student Membership

2017 & 2018 – President

2019 – Vice-President