

**Nationality:** Romanian

**Address:** Cluj-Napoca, Romania

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**About me:** I teach biostatistics, research methods, digital health, academic integrity, research data management, and norms of scientific publication. I have over 20 years of experience, including *in silico*, *in vivo*, *clinical medical research*, and *research ethics*. I am passionate and enthusiastic about all activities that I am involved in. I like to work in interdisciplinary research teams, and I do my best to deliver high-quality work under any circumstances.

## Postul vizat

## Membru în Senatul Universității de Medicină și Farmacie "Iuliu Hațieganu" Cluj Napoca

### EDUCATION

09/1992 – 09/1998

#### Physician (M.D.)

Faculty of Medicine, "Iuliu Hațieganu" University of Medicine and Pharmacy, Cluj-Napoca, Romania

Diploma [Series R, No. 0016863](#)

04/2000 – 04/2005

#### Specialist Radiology and Medical Imaging

#### Competence in General Ultrasonography

Faculty of Medicine, "Iuliu Hațieganu" University of Medicine and Pharmacy, Cluj-Napoca, Ro

Certificate [Series S, No. 0000240](#) (specialty) & Certificate [Series C, No. 016634](#) (competence)

10/2000 – 09/2001

#### M.Sc. - Medical Informatics and Biostatistics

Faculty of Medicine, Master – Medical Informatics and Biostatistics

"Iuliu Hațieganu" University of Medicine and Pharmacy, Cluj-Napoca, Ro

Diploma [Series B, No. 0000536](#)

11/2001 – 04/2006

#### Ph.D. in Medicine

"Iuliu Hațieganu" University of Medicine and Pharmacy, Cluj-Napoca, Ro

"Evidence-Based Medicine: Logistics and Implementation"

[Diploma Series D, No. 0005211](#)

10/2007 – 09/2010

#### Ph.D. in Horticulture

University of Agricultural Science and Veterinary Medicine Cluj-Napoca, Cluj-Napoca, Ro

"Statistical models for analysis of genetic variability"

[Diploma Series H, No. 0006781](#)

05/2013

#### Dr. Habil. In Medicine (Ph.D. Supervisor)

"Statistics in Medicine: From in silico Modeling for Drug Design to Medical Statistics and Education"

Romanian Ministry of Education Order no. [3570 MD/18.04.2013](#)

### CONTINUING EDUCATION AND TRAINING

3 – 14 JULY 1998

What? Psychological support for PLHA, 4th International Summer School STOP AIDS

Where? Slovenia

Financial support? SOROS FOUNDATION

1 JUNE - 30 SEPTEMBER 2002

What? Health Informatics Research Training (The use of the GPIMM/TNAMM Toll in the Delivery of the HER & ATLAS.ti Workshop)

Where? Preston - University of Central Lancashire, England

Financial support? Erasmus mobility

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4 - 9 MARCH 2004

What? Active participation to the "European Congress of Radiology"

Where? Vienna, Austria

Financial support? European Association of Radiology (bursary for young scientists)

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12 - 16 JUNE 2004

What? Participation to the "11th International Workshop on MRI and MRS, Summer School on Magnetic Resonance Imaging and Spectroscopy, From Basic to Advance Applications"

Where? Romania

Financial support? Romanian Cultural Institute

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28 NOVEMBER - 2 DECEMBER 2004

What? participation to the "Introduction to Research for International Young Academics (YRIA) 2004"

Where? Chicago, United States of America

Financial support? Radiological Society of North America (bursary for young scientists)

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22 - 26 OCTOBER 2005

What? Active participation to the "Biomedical and Health Informatics from Foundations to Applications and Policy"

Where? Washington, United States of America

Financial support? American Medical Informatics Association

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DECEMBER 2007

What? "Introduction to Bioinformatics"

Where? Oxford - Oxford University, United Kingdom

Financial support? n/a

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10 - 13 DECEMBER 2007

What? "Techniques & Strategies in Molecular Medicine"

Where? Dublin - Dublin Molecular Medicine Centre, Ireland

Financial support? n/a

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6 - 11 APRIL 2008

What? "Introduction to Practical Statistics for Medical Research"

Where? London - University College London (UCL), United Kingdom

Financial support? n/a

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22 - 25 JUNE 2008

What? "Strasbourg Summer School on Chemoinformatics: CheminfoS3"

Where? Strasbourg - Louis Pasteur University of Strasbourg, France

Financial support? n/a

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6 - 12 JULY 2008

What? "Summer School on Neural Networks in Classification, Regression and Data Mining"

Where? Porto - Institutos Superiores de Engenharia do Porto, Portugal

Financial support? n/a

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31 MAY - 4 JUNE 2010

What? "Teaching and Learning, A Course for Medical Educators"

Where? Cluj-Napoca - PRIME - University of Brighton, Romania

Financial support? n/a

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25 - 28 SEPTEMBER 2011

What? Statistical training

Where? Bled - Statistical Society of Slovenia & University of Ljubljana & Statistical Office of RS, Slovenia

Financial support? ERASMUS Training Staff Mobility

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17 - 21 JUNE 2013

What? Biomathematics

Where? Sofia - Bulgarian Academy of Sciences, Bulgaria

Financial support? ERASMUS Training Staff Mobility

◆ 15 – 19 SEPTEMBER 2014

What? Teaching statistics at undergraduate and graduate level, organization of statistical advisory office, collaborating for research, and joint projects

Where? Ljubljana - University of Ljubljana, Slovenia

Financial support? ERASMUS Training Staff Mobility

◆ JUNE 2013 – JUNE 2015

What? Medical Research Ethics Training (Certificate of Completion: Research Ethics Program)

Where? Belgrade - University of Belgrade – School of Medicine, Serbia

Financial support? NIH Research Grant: Research Ethics Education 2012-2016 (grant no. 1R25TW008171-01A;

Principal Investigator – Prof. Dr. Rosamond RHODES, Icahn School of Medicine at Mount Sinai, New York, USA

## WORK EXPERIENCE

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19/10/2001 – PRESENT – Cluj-Napoca, Ro

Teaching Assistant 10/2001 – 09/2006

Lecturer 10/2006 – 09/2015

Assoc. Prof. 10/2015 – 02/2017

Prof. 03/2017 – PRESENT

“Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca

- Teaching the following topics: *Biostatistics and Medical Informatics*, *Scientific Research Methods*, *Digital health*, *Scientific Documentation* (master), *Academic Integrity* (master), *Data Management in Medical Research* (Ph.D. Students), *Academic Publishing Norms and Publication Ethics* (Ph.D. Students).
- Elaboration of teaching materials and knowledge evaluation.
- Research coordination: license theses, master's theses, and Ph.D. theses.
- Research.

◆ 10/2010 – 02/2016 – Cluj-Napoca, Ro

Associate Professor

University of Agricultural Science and Veterinary Medicine Cluj-Napoca

Education

- *Computational Biology* (master) 2010-2014
- *Statistics for Veterinary Medicine* (Ph.D.), *Statistics for Engineering* (Ph.D.) 2012-2016

◆ 04/2000 – 09/2001 – Cluj-Napoca, Ro

Resident M.D. in Radiology and Medical Imaging

County Hospital, Satu-Mare

- Followed the Radiology curriculum with training at the "Iuliu Hațieganu" University of Medicine and Pharmacy, Cluj-Napoca
- Worked in different radiology departments in Cluj-Napoca Hospitals

◆ 01/1999 – 03/2000 – Cluj-Napoca, Ro

M.D. – Internship

County Hospital, Cluj-Napoca, Romania

- Worked in a hospital (surgery, internal medicine) and in a family doctor center under the supervision of a senior medical doctor

## PROFESSIONAL COMPETENCIES AND ACHIEVEMENTS

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### PROJECTS (RESEARCH | EDUCATION)

6 International (Member) & 20 National (2 Principal Investigator)

Roles: Principal Investigator | Member | Researcher | Target group

Information available at <http://sorana.academicdirect.ro/pages/grants.php>

### SUPERVISION

“Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca

- Ph.D. supervisor: 18 PhD students (10 Ph.D. theses publicly defended)
- License or master theses > 20
- Mentor to research projects: 2 (1494/7/28.01.2014 & 1495/2/28.01.2014 - internal research grants) | 3

## EDITORIAL ACTIVITIES

- [Applied Medical Informatics](#) - Executive Editor (indexed in international databases)
- [Notulae Scientia Biologicae](#) - Editors-in-Chief (indexed in Scopus)
- [Notulae Botanicae Horti Agrobotanici Cluj-Napoca](#) - Associate Editor (indexed in WoS – SCIE)
- [Mathematics](#) - Editorial Board Member (indexed in WoS – SCIE)
- [Combinatorial Chemistry & High Throughput Screening](#) - Editorial Board Member: Molecular Design and Informatics (indexed in WoS – SCIE)
- [PlosOne](#) - Academic Editor (indexed in WoS – SCIE)

## REVIEWER

Scientific articles (journals and conferences)

Details available at <https://www.webofscience.com/wos/author/record/288978> (Verified peer reviews)

Research projects

2007 (3 National Scientific Grant Competitions) | 2008 (2 National Scientific Grant Competitions & 1 Bulgarian) | 2009 (2 National Scientific Grant Competitions) | 2013 (1 European Scientific Grant Competition & 1 National Scientific Grant Competition) | 2014 (1 Local Scientific Grant Competition & 1 Bulgarian & 3 European Scientific Grant Competitions) | 2015 (11 European Scientific Grant Competitions) | 2016 (2 National Scientific Grant Competitions & 3 European Scientific Grant Competitions) | 2017 (3 European Scientific Grant Competitions) | 2018 (3 European Scientific Grant Competitions) | 2019 (3 European Scientific Grant Competitions) | 2020 (2 European Scientific Grant Competitions) | 2021 (2 European Scientific Grant Competitions) | 2022 (4 European Scientific Grant Competitions)

## PUBLICATIONS IN NUMBERS

Books or book chapters – 30 (<http://sorana.academicdirect.ro/books/>)

Scientific articles – 348 (<http://sorana.academicdirect.ro/articles/>)

Active participation to scientific events – 235 (<http://sorana.academicdirect.ro/conferences/>)

## VISIBILITY

ResearcherID (Web of Science) - [E-4457-2010](#) (h-index = 24)

ORCID - [0000-0002-2342-4311](#)

Scopus - [9534404800](#) (h-index = 23 – self citation excluded)

ResearchGate - [Sorana Bolboaca](#) (h-index = 26 | Research Interest Score = 2,098 | Citations = 3,387)

GoogleScholar - [Sorana D. Bolboaca](#) (h-index = 33 | i10-index = 110 | Citations = 4,794)

World Ranking of Top 2% Scientists – 2022 & [2023](#)

## PROFESSIONAL AFFILIATIONS

[Colegiul Medicilor Cluj](#) – Member (since 2000)

[International Society for Clinical Biostatistics](#), Romanian National Group - Chair of the Cluj-Napoca Group & member in the [NatG committee](#)

[Romanian Society of Medical Informatics](#) - Elected Chair

[RoHealth](#) – The Health Bioeconomy Cluster - [Member of the Board of Directors](#) (since 2022)

## SKILLS

### LANGUAGE SKILLS

Mother tongue: Romanian

Other languages:

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

### DIGITAL SKILLS

Microsoft Office | Statistics (e.g., Statistica, SPSS, JASPS, EpiInfo etc.) | Email | Google Drive | Search Engine (scientific &

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## **SOCIAL SKILLS**

Extremely Organised | End-Oriented Work Capacity | Problem-Solving Attitude | Responsibility, Self-Respect and Self-Reliance | Ability to Establish and Maintain Good Working Relations and Communication with People and Students of Different National and Cultural Backgrounds |

07/11/2023