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 Department of Medical Informatics and Biostatistics
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ABOUT ME

I am a full Professor in Biostatistics and Medical Informatics with over 20 years of experience in academic teaching, research, and doctoral supervision. I have expertise in biostatistics, research methodology, digital health, academic integrity, and scientific publishing, and a proven track record in leading national and European research projects, mentoring PhD students, and contributing to international scientific communities and editorial boards. My research impact is internationally recognized in the World Ranking of Top 2% Scientists.

CURRENT POSITION

March 2017 – PRESENT

Professor in Biostatistics and Medical Informatics, Department 11 – Medical Education, Faculty of Medicine
“Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca, Romania

- Provide teaching, training, and evaluation in the following disciplines: 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).
- Collaborate with colleagues for the development of teaching and evaluation materials.
- Supervise undergraduate, master's degree, and PhD degree students in their research to prepare their theses.
- Supervise junior researchers in medical research, statistical analysis, and scientific writing.
- Take part and collaborate with peers in preclinical and clinical research.

RESPONSIBILITY ASSIGNMENTS

January 2026 – PRESENT

[CMR](#), Romanian College of Physicians ([Decision no. 11/11.03.2022 on the appointment of members of the Specialized Commissions of the CMR - Update December 2025](#))

Member - Specialty Committees 4. Bioethics

July 2025 – PRESENT

[CNCS](#), National Council of Scientific Research (CNCS decision no. [238/09.07.2025](#))

Member – Medicine Committee

22 August 2024 – PRESENT

[CNATDCU](#), National Commission for Attestation of University Degrees, Diplomas and Certificates (MO Part I, no. 837/22.VIII.2024)

Member – Medicine Committee

1 July 2024 – PRESENT

[Doctoral School](#), “Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca, Romania

Member of the Council of Doctoral University Studies

27 May 2019 – 29 September 2024

Director of the Master's Program [Biostatistics and Bioinformatics](#)

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

13 February 2023 – PRESENT

[Member: 7 Health - prevention, diagnosis and advanced treatment](#) at REXCD Ro

2014 – PRESENT

Medical Data-Driven Evidence and Digital Health Research Center (MeDiCARE) - ERIF-2000-000J-2124 & [EERTIS](#)

2020 –

[Doctoral](#)

2020 – June 2024

[Doctoral School](#), "Iuliu Hațieganu" University of Medicine and Pharmacy, Cluj-Napoca, Romania

Member of the Doctoral School Council

Member of the Council for Quality Assurance in Doctoral Research

Member

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DEGREES AND EDUCATION

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](#)

10/2007 – 09/2010 Ph.D. in Horticulture

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

"Statistical models for analysis of genetic variability"

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

11/2001 – 04/2006 Ph.D. in Medicine

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

"Evidence-Based Medicine: Logistics and Implementation"

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

04/2000 – 04/2005 M.D. Specialist - Radiology and Medical Imaging & Competence in General Ultrasonography

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](#)

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](#)

PREVIOUS POSITIONS

10/2015 – 02/2017: Assoc. Prof. Habil. in Biostatistics and Medical Informatics

Department 11 – Medical Education, Faculty of Medicine

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

10/2010 – 02/2016: Associate Professor in Computational Biology and Statistics

2010-2014 Computational Biology (master's degree program)

2012-2016 Statistics for Veterinary Medicine (Ph.D.) and Statistics for Engineering (Ph.D.)

University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania

10/2006 – 09/2015: Lecturer in Biostatistics and Medical Informatics

Faculty of Medicine

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

10/2001 – 09/2006: Teaching Assistant in Biostatistics and Medical Informatics

Faculty of Medicine

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

04/2000 – 09/2001: Resident M.D. in Radiology and Medical Imaging

County Hospital, Satu-Mare, Romania

01/1999 – 03/2000: M.D. – Internship

County Hospital, Cluj-Napoca, Romania

MOBILITY AWARDS

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

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

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)

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

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)

3 – 14 JULY 1998

What? Psychological support for PLHA, 4th International Summer School STOP AIDS | Where? Slovenia | Financial support SOROS FOUNDATION

CERTIFICATES & FELLOWSHIPS

2025 Certificates - Romanian Ministry of Labor, Family, Youth and Social Solidarity

“Specialization Program TRAINER” (COR code 242401) – 11 September to 30 October 2025 (Graduation Certificate)

Romanian Ministry of Labor, Family, Youth and Social Solidarity (Certificate Series S, no. 0378070)

2024-2025 Certificates

“Short Course on AI-supported Medical Devices” – 21 to 23 October 2025 (Certificate of Participation)

“NoBoCap - Notified Body Increased Capacity” 101101269 project

“Generating Data for Technical Documentation (*in vitro* Diagnostic Regulations)” – 8 April 2025

Technological University Dublin Reference no. 24/25-1097 (5 ECTS NFQ Level 9 – EQF Level 7)

“Generating Data for Technical Documentation (Medical Device Regulations)” – 10 December 2024

Technological University Dublin Reference no. 24/25-0753 (5 ECTS NFQ Level 9 – EQF Level 7)

“Implementing Regulatory Requirements for Medical Devices” – 27 June 2024

Technological University Dublin Reference no. 23/24-1036 (5 ECTS NFQ Level 9 – EQF Level 7)

15 – 19 SEPTEMBER 2014 - What? Teaching statistics at undergraduate and graduate level, organization of statistical advisory office, collaborating for research, and join projects | Where? Ljubljana - University of Ljubljana, Slovenia | Financial support ERASMUS Training Staff Mobility

17 – 21 JUNE 2013 - What? Biomathematics | Where? Sofia - Bulgarian Academy of Sciences, Bulgaria | Financial support ERASMUS Training Staff Mobility

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

31 MAY – 4 JUNE 2010 - What? “Teaching and Learning, A Course for Medical Educators” | Where? Cluj-Napoca - PRIME – University of Brighton, Romania

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

22 – 25 JUNE 2008 - What? “Strasbourg Summer School on Chemoinformatics: CheminfoS3” | Where? Strasbourg - Louis Pasteur University of Strasbourg, France

6 – 11 APRIL 2008 - What? “Introduction to Practical Statistics for Medical Research” | Where? London - University College London (UCL), United Kingdom

DECEMBER 2007 - What? “Introduction to Bioinformatics” | Where? Oxford - Oxford University, United Kingdom

10 – 13 DECEMBER 2007 - What? “Techniques & Strategies in Molecular Medicine” | Where? Dublin - Dublin Molecular Medicine Centre, Ireland

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)

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

COMMISSIONS OF TRUST

PROFESSIONAL ASSOCIATIONS

[Romanian Society of Medical Informatics](#) – President (2023 - present)

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

[International Society for Clinical Biostatistics](#), Member in the [NatG committee](#) (August 2020 – August 2024)

[International Society for Clinical Biostatistics](#), Member in the Romanian National Group & Chair of the Cluj-Napoca Group (2015- present)

[Colegiul Medicilor Cluj](#) – [Member](#) (2000 - present)

REVIEW ACTIVITIES - SCIENTIFIC MANUSCRIPTS

Details available at

<https://www.webofscience.com/wos/author/record/288978> (verified peer reviews)

& <https://orcid.org/0000-0002-2342-4311> (peer review publications/grants)

SCIENTIFIC JOURNAL - MEMBERSHIP TO EDITORIAL BOARDS

[Applied Medical Informatics](#) - Executive Editor (journal indexed in international databases)

[Notulae Scientia Biologicae](#) - Editors-in-Chief (journal indexed in Scopus)

[Notulae Botanicae Horti Agrobotanici Cluj-Napoca](#) - Associate Editor (journal indexed in WoS – SCIE)

[Mathematics](#) - Editorial Board Member (journal indexed in WoS – SCIE)

[Combinatorial Chemistry & High Throughput Screening](#) - Editorial Board Member: Molecular Design and Informatics (journal indexed in WoS – SCIE)

[PlosOne](#) - Academic Editor (journal indexed in WoS – SCIE)

MEMBERSHIP ORGANIZING COMMITTEES (the latest)

[Romanian Society of Medical Informatics](#) conferences: 8-11 May 2025 – [38th RoMedINF conference](#) (Chair); 13-14 May 2024 – [1st Junior RoMedINF conference](#) (Chair); 14-15 September 2023 – [37th RoMedINF conference](#) (Scientific Program Chair); 16-17 September 2021 – [36th RoMedINF conference](#) (Scientific Program Chair); 19-20 September 2019 – 35th RoMedINF conference (Scientific Program Committee).

27-29 November 2024 - [EFMI Special Topic Conference 2024](#) (Scientific Program Committee)

15 December 2022 – INTERACT webinar – organizers EFMI and SRIM – *Predatory Journals: Boogeyman of Open Access*

17-19 November 2022 – workshop [Applied Informatics towards Smart Healthcare Ecosystems](#) – 10th edition IEEE International Conference on e-health and Bioengineering EHB 2022 – moderator

The decision pill – Doctoral Education – Doctoral School Iuliu Hațieganu University of Medicine and Pharmacy – co-organizer (1st edition: 18 July 2022 & 27 July 2023 & 24 July 2024 & 17 July 2025)

NEWS, EXPERIENCES AND INNOVATION IN DOCTORAL RESEARCH – Doctoral School, The Days of the Iuliu Hațieganu University of Medicine and Pharmacy – [co-organizer](#) (11 December 2020 & 10 December 2021 & 7 December 2022 & 4 December 2023 & 5 December 2024 & 9 December 2025 & December 2025)

14 December 2020 – webinar Adapting Education During COVID-19 Pandemic: Instruments and Solutions – organizers EFMI and SRIM – invited speaker (*Pre-recorded vs. Live Lecture in Teaching Biostatistics and Medical Informatics: Student's Preferences*)

AWARDS

"Iuliu Hațieganu" University of Medicine and Pharmacy Awards - "Victor Papilian" award [2021](#) & [2023](#)

Awards of research results - Web of Science articles – [UEFISCDI](#) - Program 5.2 Human resources Awarding research results - Web of Science articles (PRECISI - around 65 awards)

PROFESSIONAL COMPETENCIES AND ACHIEVEMENTS

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, Romania

Ph.D. supervisor: 18 PhD students (12 Ph.D. theses publicly defended)

License or master's degree theses > 20

Mentor to research projects: 2 (1494/7/28.01. 2014 & 1495/2/28.01.2014 - internal research grants) &

3 postdoc grants (POSDRU/159/1.5/S/138776: 7135/78/30.04.2014 & 7135/19/30.04.2014 & POCU 2021)

PUBLICATIONS IN NUMBERS

Books or book chapters – 31 (<http://sorana.academicdirect.ro/books/>)

Scientific articles – 375 (<http://sorana.academicdirect.ro/articles/>)

Participation in scientific events – 254 (<http://sorana.academicdirect.ro/conferences/>)

SCIENTIFIC VISIBILITY



Web Of Science Researcher ID
H-Index, Verified Peer Reviews, Citing Articles

[E-4457-2010](#)

(h-index = 27)



ORCID ID

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



Scopus Author ID
H-Index, Citations, Documents

[9534404800](#)

(h-index = 27 – self citation excluded)



Researchgate
Research Interest Score, h-index

[Sorana Bolboaca](#)

(h-index = 31 | Research Interest Score = 2,845 | Citations = 4,565)



Google Scholar

[Sorana D. Bolboaca](#)

(h-index = 39 | i10-index = 152 | Citations = 6,391)

World Ranking of Top 2% Scientists – [2021](#) & [2022](#) & [2023](#) & [2024](#) & [2025](#)

SKILLS

LANGUAGE SKILLS

Mother tongue: Romanian

	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 | Microsoft Teams | Statistics (e.g., Statistica, SPSS, JASPS, Jamovi, EpilInfo etc.) | Email | Google Drive | Search Engine (scientific & general) | Pay-per-Click | Web 2.0 tools | Web design | Technical | Social Media | Scientific literacy

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 |