



Leonard Mada

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● WORK EXPERIENCE

V. BABES UNIVERSITY OF MEDICINE AND PHARMACY – TIMISOARA, ROMANIA

● **ASSISTANT LECTURER** – 30/09/2024 – Current
Department of Functional Sciences: Immunology

● **PHD RESEARCHER** – 01/05/2024 – Current
Project: RBC-engager for NK and T cell activation in cancer immunotherapy (REAKT)
• Research activity, data processing and modelling;

MEDICAL AND SCIENTIFIC ADVISER – SYONIC SRL – 2008 – 30/09/2024 – TIMISOARA, ROMANIA

Department of Research
- statistical modeling and analysis;
- processing biomedical data ;
- represent the company with scientific works at national and international conferences:
EGPRN, WONCA, Ro-MedINF;
- coordinate company activities with academic institutions;

ASSOCIATE LECTURER, FACULTY OF MATHEMATICS AND INFORMATICS – WEST UNIVERSITY – 2018 – 2019 – TIMISOARA, ROMANIA

ASSISTANT LECTURER – UNIVERSITY OF MEDICINE AND FARMACY – 2008 – 2011 – TIMISOARA, ROMANIA

Department of Medical Informatics and Biostatistics

DATA MANAGER, BIOSTATISTICIAN – CMED SRL – 2008 – 2011 – TIMISOARA, ROMANIA

- data management in clinical studies;
- biostatistical analysis;

MEDICAL ADVISER – PUBLIC HEALTH INSURANCE, TIMIS COUNTY – 2007 – 2008 – TIMISOARA, ROMANIA

MEDICAL DOCTOR – J.W. GOETHE UNIVERSITATSKLINIKUM – 2003 – 2005 – FRANKFURT A. MAIN, GERMANY

● EDUCATION AND TRAINING

2023 – CURRENT Timisoara, Romania
PHD IMMUNOTHERAPEUTICS University of Medicine and Pharmacy

2019 – CURRENT Timisoara, Romania
MASTER: BIG DATA West University

2010 – 2012 Timisoara, Romania

MASTER: STATISTICAL METHODS AND TECHNIQUES IN HEALTH AND CLINICAL RESEARCH Politehnic University

01/10/1999 – 28/05/2003 Frankfurt a. Main, Germany

MEDICAL DIPLOMA J.W. Goethe University

2009 Oxfordshire, United Kingdom

TRAINING: SAS FUNDAMENTALS AND PROGRAMMING Amadeus Business Intelligence

1995 Beijing, China

GOLD MEDAL International Chemistry Olympiad

● LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN** | **SERBIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C1	C1	C2
GERMAN	C2	C2	C1	C1	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● SKILLS

Statistics: R, SAS

Linear models | Generalized linear models | Mixed effects models: R - Advanced | Random walks, Monte Carlo simulations | GIS: R - beginner

Programming Languages: C++, Java

Algorithms, Regular expressions - Experimented

Other

SQL - Medium level | Image Processing - Beginner

● PUBLICATIONS

2023

[Design of a Synthetic Long Peptide Vaccine Targeting HPV-16 and -18 Using Immunoinformatic Methods](#)

Tîrziu A, Avram S. Mada L. Crişan-Vida M. et al. Pharmaceutics 2023, 15, 1798.

2023

[Does COVID-19 Infection during Pregnancy Increase the Appearance of Congenital Gastrointestinal Malformations in Neonates?](#)

Brandibur TE, Kundnani NR, Boia M, et al. Biomedicines 2023, 11, 3105.

2026

[An operator algebraic approach for generalized Cardano polynomials.](#)

Authors: L. Mada, Maria Anastasia Jivulescu

● CONFERENCES AND SEMINARS

Conferences

1. L. Mada. Dendrogram of the presentations and posters from the EGPRN Conferences. 86th EGPRN Conference, 10-13 May 2018, Lille, France; Abstract book: ISBN 978-90-829673-0-2.
2. L. Mada. Hypertensive Crisis: Analysis of 16384 Cases Documented in GP practices across Romania. EGPRN Conference, 11-14 May 2017, Riga, Latvia. <https://doi.org/10.1080/13814788.2017.1357694>.
3. L. Mada. Variability of the I-PSS questionnaire in an adult male population from Romania. EGPRN Conference, 20-24 May 2016, Tel Aviv-Jaffa , Israel.

National Conferences

1. L. Mada, V. Paunescu. An Exploration of Mathematical Models for Tumor Growth. Vol 47 No Suppl. S1 (2025): RoMedINF2025. Section: Special Issue - RoMedINF. <https://ami.info.umfcluj.ro/index.php/AMI/article/view/1144/1027>.
2. L. Mada. Extension of the SIR Model Using a Stratified Population and a Hospital Compartment. Vol 43 No Suppl. S1 (2021): RoMedINF2021. Section: Special Issue - RoMedINF2021. <https://ami.info.umfcluj.ro/index.php/AMI/article/view/838>.
3. L. Mada. Analysis of the baccalaureate performances of nursing candidates at the Timișoara, Cluj-Napoca and Bucharest Universities. RoMedInf Conference, 19-20 Sep. 2019, Cluj, Romania.