



Miruna-Cristiana Gug

Work : Eftimie Murgu Square 2, 300041, Timișoara, Romania

Email: miruna.gug@umft.ro

LinkedIn: <https://www.linkedin.com/in/miruna-gug-a91105179/>

Work permit: Romanian **Gender**: Female **Date of birth**: 12/04/1996

Place of birth: Timișoara, Romania **Nationality**: Romanian

ABOUT ME

Medical Genetics Resident and Assistant Lecturer specializing in genomics of rare diseases and bioinformatics.
Currently pursuing a PhD in Medical Genetics and a Master's in Bioinformatics, with multiple ISI-indexed publications contributing to advancements in genetic diagnostics.
Experienced in research, education, student mentorship, and international scientific collaborations. My work is dedicated to bridging genomics research and clinical practice, with the goal of enhancing diagnostic accuracy and optimizing patient care.

LANGUAGE SKILLS

Mother tongue: Romanian

Other language:

ENGLISH

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

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

WORK EXPERIENCE

[03/03/2025 – Current]

Assistant lecturer

"Victor Babes" University of Medicine and Pharmacy

City: Timisoara | **Country**: Romania

Department II Microscopic Morphology

Medical Genetics

[01/01/2025 – Current]

Genetics Medical Resident

"Louis Turcanu" Emergency Clinical Hospital for Children

City: Timisoara | **Country**: Romania

[01/01/2024 – 31/12/2025]

Epidemiology Medical Resident

Clinical Hospital for Infectious Diseases and Pneumophysiology "Dr. Victor Babes"

City: Timisoara | **Country**: Romania

EDUCATION AND TRAINING

[10/2025 – Current]

Master's Student in Psychopedagogy

The Teaching Staff Training Department - West University

City: Timisoara | **Country**: Romania | **Field(s) of study**: Medicine Postgraduate Psychopedagogical Training Program: ● *Teacher training with subject specialisation*

[10/2024 – Current]

Master's Student in Bioinformatics

Faculty of Informatics - West University

City: Timisoara | **Country**: Romania | **Field(s) of study**: Bioinformatics

- [10/2023 – Current] **PhD Student**
Doctoral School - "Victor Babes" University of Medicine and Pharmacy
City: Timisoara | **Country:** Romania | **Field(s) of study:** Medicine
- [09/2017 – 09/2023] **Medical Doctor**
Faculty of Medicine - "Victor Babes" University of Medicine and Pharmacy
City: Timisoara | **Country:** Romania | **Field(s) of study:** General Medicine
- [09/2015 – 09/2018] **Psychopedagogical Training – Level I**
The Teaching Staff Training Department - West University
City: Timisoara | **Country:** Romania | **Field(s) of study:** Level I Psychopedagogical Training Program
- [09/2015 – 09/2018] **Bachelor's Degree Biochemistry**
Faculty of Chemistry, Biology and Geography - West University
City: Timisoara | **Country:** Romania | **Field(s) of study:** Biology - Biochemistry
- [09/2010 – 07/2015] **Upper Secondary Education**
„Constantin Diaconovici-Loga” National College
City: Timisoara | **Country:** Romania | **Field(s) of study:** Mathematics - Informatics

INTERNSHIPS

- [2018 – Current] **Research and clinical internship in cytogenetics and molecular genetics**
Medical Genetics Office Dr. Gug
Timisoara
- [01/07/2022 – 31/07/2022] **Research Exchange, Nova University, Lisbon**
Student Research Exchange Program
SCORE – Standing Committee on Research Exchange
IFMSA – International Federation of Medical Students Associations
CEDOC – Chronic Diseases Research Center
Project: *“Gene Therapy as a new therapeutic approach for Diabetic Retinopathy”*

PROFESSIONAL TRAINING COURSES

- [03/2025] **Genetics – Applications in Clinical Practice**
Genetics
"Victor Babes" University of Medicine and Pharmacy
Participant
- [03/2025] **Advances in the pathophysiology**
Pathophysiology
"Victor Babes" University of Medicine and Pharmacy
Lecturer
- [03/2024] **Pathophysiology at the Interface of Specialties**
Pathophysiology
"Victor Babes" University of Medicine and Pharmacy
Lecturer

[09/2022] **Practical Course in Molecular Genetics: Advanced Techniques in Molecular Genetics**

Genetics

University of Medicine and Pharmacy of Craiova

Participant

[03/2022] **Genetics: At the Intersection of Specialities**

Genetics

"Victor Babes" University of Medicine and Pharmacy

Lecturer

[03/2022] **Chronic Diseases: Current Aspects of Pathophysiology, Diagnosis, Monitoring, and Treatment**

Pathophysiology

"Victor Babes" University of Medicine and Pharmacy

Lecturer

[03/2021] **Biomarkers in Chronic Diseases: Pathophysiological and Clinical Aspects**

Pathophysiology

"Victor Babes" University of Medicine and Pharmacy

Lecturer

[10/2020] **Precision Genetic Diagnosis**

Genetics

"Victor Babes" University of Medicine and Pharmacy

Lecturer

VOLUNTEERING

[09/2019 – 09/2023] **Volunteering in Academic Development Program (VADA)** Medical Genetics - "Victor Babes"

University of Medicine and Pharmacy

Department of Microscopic Morphology

Medical Genetics

[09/2018 – 09/2019] **Volunteering in Academic Development Program (VADA)** "Victor Babes" University of Medicine

and Pharmacy

Department of Biochemistry and Pharmacology

Biochemistry

[09/2018 – 09/2023] **Medical Students Society Timisoara - SSMT** "Victor Babes" University of Medicine and Pharmacy

Vice President of Treasury

Sept. 2021 - Sept. 2023

SCORA Volunteer

Sept. 2018 - Sept. 2019

[2015 – 2022] **Rotaract District 2241 Romania and Republic of Moldova** Rotaract Club Timisoara Cetate

Member

January 2015 - July 2022

District Assistant - Zone 1

July 2018 - July 2019

President

July 2018 - July 2019

Treasurer

July 2017 - July 2018

Vice President

July 2016 - July 2017

[11/2013 – 07/2014] **Interact District 2241 Romania and Republic of Moldova** Interact Club Timisoara Cetate

Founder President

HONOURS AND AWARDS

- [09/2025] **Poster Presentation – SRGM 2026 Conference Awarding institution:** Romanian Society of Medical Genetics
- Second Prize awarded for poster presentation at the 15th Conference of Medical Genetics with International Participation
- Carrier Screening in Western Romania: A Focus on the Most Recurrent AR Pathogenic Variants*
- Authors: Miruna Gug, Nicoleta Andreescu, Tudor Popoiu, Dorina Stoicănescu, Simona Farcaș, Alexandra Mihăilescu, Ioana Mozoș, Cristina Gug
- [02/2025] **ESHG National Fellowship 2025 Awarding institution:** Romanian Society of Medical Genetics
- The ESHG Fellowship 2025 is awarded to young physicians or researchers with outstanding achievements. It supports participation in the 2025 European Human Genetics Conference, with national selection organized by the Romanian Society of Medical Genetics.
- [11/2021] **UEFISCDI Award 2021 Awarding institution:** UEFISCDI
- Award granted by UEFISCDI for 7 authors from Romania for the recognition of research results – for the article Rare splicing mutation in COL1A1 gene identified by whole exomes sequencing in a patient with Osteogenesis Imperfecta type I followed by prenatal diagnosis: a case report and review of the literature.
- Gene*. PN-III-P1-1-1-PRECISI-2021-64041 Competition, Evaluation Results, List 3, position 69 (pages 33-34), published on 24.11.2021 for articles published in 2020.

PUBLICATIONS

- [2025] [**The Landscape of Genetic Variation and Disease Risk in Romania: A Single-Center Study of Autosomal Recessive Carrier Frequencies and Molecular Variants**](#)
- Int J Mol Sci*. 2025;26:10912. PMID: 41048277; PMCID: PMC12474583. (IF=4.9)
- Authors:** Gug M, Andreescu N, Caba L, Popoiu T-A, Mozos I, Gug C
- [2025] [**Microengineered Breast Cancer Models: Shaping the Future of Personalized Oncology**](#)
- Cancers*. 2025;17(19):3160. PMID: 41097688; PMCID: PMC12523347. (IF=4.4)
- Authors:** Popoiu T-A, Cimpean AM, Bojin F, Cerbu S, Gug M-C, Pirvu C-A, Pantea S, Neagu A
- [2024] [**Role of Age and Comorbidity Interactions in COVID-19 Mortality: Insights from Cardiac and Pulmonary Conditions**](#)
- J Clin Med*. 2024;13:7510. PMID: 39768431; PMCID: PMC11677844. (IF=3.0)
- Authors:** Patrascu R, Dumitru CS, Laza R, Besliu RS, Gug M, Zara F, Laitin SMD
- [2024] [**Impact of Vaccination Status on COVID-19 Severity and Pulmonary Involvement**](#)
- Medicina (Kaunas)*. 2024;60:1919. PMID: 39768801; PMCID: PMC11678390. (IF=2.4)
- Authors:** Laitin SMD, Baditioiu LM, Laza R, Besliu RS, Stoicescu ER, Gug M, Dumitru CS, Patrascu R

- [2024] [Approach and Management of Pregnancies with Risk Identified by Non-Invasive Prenatal Testing](#)
J Pers Med. 2024 Mar 29;14(4):366. PMID: 38672993; PMCID: PMC11050912. (IF=3.0)
Authors: Gug M, Ratiu A, Andreescu N, Farcas S, Laitin S, Gug C
- [2022] [Genetic Counseling and Management: The First Study to Report NIPT Findings in Romanian Population](#)
Medicina (Kaunas). 2022 Jan 5;58(1):79. PMID: 35056387; PMCID: PMC8777823. (IF=2.4)
Authors: Gug C, Mozos I, Ratiu A, Tudor A, Gorduza EV, Caba L, Gug M, Cojocariu C, Furu G, Furu G, Vaida MA, Stoicanescu D
- [2020] [Rare Splicing Mutation in COL1A1 Gene Identified by Whole-Exome Sequencing in a Patient with Osteogenesis Imperfecta Type I Followed by Prenatal Diagnosis: A Case Report and Review of the Literature](#)
Gene. 2020 May 30;741:144565. PMID: 32165296. (IF=3.688)
Authors: Gug C, Caba L, Mozos I, Stoian D, Atasie D, Gug M, Gorduza EV

PROFESSIONAL SOCIETY MEMBERSHIPS

- [2025 – Current] **The Romanian Society of Bioinformatics - SRBI**
Member
- [2016 – Current] **The European Society of Human Genetics - ESHG**
Member
- [2016 – Current] **The Romanian Society of Medical Genetics - SRGM**
Member