

PERSONAL INFORMATION

Oana Medeea Badii



 Cluj-Napoca, Romania

 Medeea.badii@gmail.com

Date of birth 02/07/1990 | Nationality Romanian

WORK EXPERIENCE

September 2023 – present

DOCTORAL RESEARCHER

"University of Medicine and Pharmacy "Iuliu Hatieganu", Cluj-Napoca.

PhD Researcher with laboratory manager duties within the PNRR project - HINT II – Hyperuricemia induced inflammation: Prediction of long-term inflammatory complications and targeting of the persistent effects of urate exposure (PNRR-III-C9-2022-I8, nr. 760065 / 23.05.2023).

July 2022 – May 2024

DOCTORAL RESEARCHER

"University of Medicine and Pharmacy "Iuliu Hatieganu", Cluj-Napoca, TE project 128/2022.

PhD Researcher on functional genomics study in SLE:

Main activities and responsibilities:

- Cell culture; ELISA; genomics; Data analysis;
- Additional: laboratory overview; planning of experiments and database maintenance; sterilization of consumables.

January 2021 – December 2022

DOCTORAL RESEARCHER

Radboud UMC, Nijmegen

Radboud UMC, Internal Medicine Department under supervision of Prof. Dr. M.G. Netea and Prof. Dr. Leo A.B. Joosten.

- Cell culture; ELISA; genomics; Data analysis.

November 2017– December 2022

DOCTORAL RESEARCHER

University of Medicine and Pharmacy "Iuliu Hatieganu", Cluj-Napoca

PhD Researcher HINT Project (Hyperuricemia-induced Inflammation: Targeting the central role of uric acid in rheumatic and cardiovascular diseases, ID P 37 762; MySMIS 103587), Medical Genetics Department.

Main activities and responsibilities:

- Cell culture (with PBMCs and monocytes)
- Enzyme-linked immunosorbent assay (ELISA), Luminex assays
- DNA isolation, RNA isolation
- Polymerase chain reaction (PCR), MSP, RT-PCR, ChIP-qPCR)
- Gel electrophoresis
- Data analysis with Graph Pad / R software
- Additional: laboratory maintenance; ordering of reagents; sterilization of consumables.

July 2016 – October 2017

PHARMACOVIGILANCE ASSISTANT

Terapia, a Sun Pharma Company, Cluj-Napoca

EDUCATION AND TRAINING

2017 – present **PhD Student (cotutelle)**
 University of Medicine and Pharmacy “Iuliu Hatieganu”, Cluj-Napoca, Romania.
 Supervisor: Prof. Dr. Leo A.B. Joosten
 ▪ Immunology, Genetics.

September 2020 – November 2020 **Biologist**
 Cluj-Napoca County Emergency Clinical Hospital, Cluj-Napoca
 ▪ Testing for SARS-CoV-2 by Real-time PCR at Imogen Institute.

2019 – present **PhD Student (cotutelle)**
 Radboud University, Nijmegen, The Netherlands
 Supervisor: Prof. Dr. M.G. Netea
 ▪ Immunology, Genetics.

February 2015 – June 2025 **Master Student in “LLP-Erasmus Placement Mobility”**
 Linköping University, Sweden
 Prof. Dr. Simin Mohseni
 ▪ Electron microscopy, Histology

1 June 2015 – 30 June 2015 **Research Assistant**
 Karolinska Institute, Stockholm, Sweden
 ▪ Measurement and analysis of various parameters in optical microscope images using the Image J program.

2013 – 2016 **Master’s Diploma in Molecular Genetics**
 “Alexandru Ioan Cuza” University, Iasi, Romania

2009 – 2013 **Bachelor’s Diploma in Biology**
 “Alexandru Ioan Cuza” University, Iasi, Romania

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills Good communication skills gained through my participations at conferences during my PhD.

Organisational / managerial skills Overseeing of laboratory logistics and streamlined project workflows within the HINT-II project PNNR 760065 / 23.05.2023 and TE project 128/2022, “Iuliu Hatieganu” University of Medicine and Pharmacy in Cluj-Napoca.

Publications

Badii M, Gaal OI, Hotea I, Nica V, Mirea AM, Mărginean D, HINT Consortium, Pamfil C, Rednic S, Popp RA, et al. Sex-Specific Differences in Cytokine Production Capacity in Patients with Gout Compared to Controls. Gout, Urate, and Crystal Deposition Disease. 2024; 2(2):133-143.

Röring RJ, Li W, Liu R, Bruno M, Zhang B, Debisarun PA, Gaal O, **Badii M**, Klück V, Moorlag SJCFM, van de Veerdonk F, Li Y, Joosten LAB, Netea MG. Epigenetic, transcriptional, and functional characterization of myeloid cells in familial Mediterranean fever. *iScience*. 2024 Feb 29;27(4):109356.

Badii M, Klück V, Gaal O, Cabău G, Hotea I, Nica V, Mirea AM, Bojan A, Zdrengea M; HINT Consortium; Novakovic B, Merriman TR, Liu Z, Li Y, Xu CJ, Pamfil C, Rednic S, Popp RA, Crişan TO, Joosten LAB. Regulation of SOCS3-STAT3 in urate-induced cytokine production in human myeloid cells. *Joint Bone Spine*. 2024 Feb 1;91(3):105698.

Gaal OI, Liu R, Marginean D, **Badii M**, Cabău G, Hotea I, Nica V, Colcear D; HINT Consortium; Pamfil C, Merriman TR, Rednic S, Popp RA, Crişan TO, Joosten LAB. GWAS-identified hyperuricemia-associated IGF1R variant rs6598541 has a limited role in urate mediated inflammation in human mononuclear cells. *Sci Rep*. 2024 Feb 12;14(1):3565.

Szabo I, **Badii M**, Gaál IO, et al. Immune Profiling of Patients with Systemic Sclerosis through Targeted Proteomic Analysis. *Int J Mol Sci*. 2023;24(24):17601.

Cabău G, Gaal O, **Badii M**, et al. Hyperuricemia remodels the serum proteome toward a higher inflammatory state. *iScience*. 2023;26(10):107909.

Szabo I, **Badii M**, Gaál IO, et al. Enhanced Innate and Acquired Immune Responses in Systemic Sclerosis Primary Peripheral Blood Mononuclear Cells (PBMCs). *Int J Mol Sci*. 2023;24(19):14438.

Sîrbe C, **Badii M**, Crişan TO, et al. Detection of Novel Biomarkers in Pediatric Autoimmune Hepatitis by Proteomic Profiling. *Int J Mol Sci*. 2023;24(8):7479.

Badii M, Gaal O, Popp RA, Crişan TO, Joosten LAB. Trained immunity and inflammation in rheumatic diseases. *Joint Bone Spine*. 2022 Feb 24;89(4):105364.

Badii M, Gaal OI, Cleophas MC, Klück V, Davar R, Habibi E, Keating ST, Novakovic B, Helsen MM, Dalbeth N, Stamp LK, Macartney-Coxson D, Phipps-Green AJ, Stunnenberg HG, Dinarello CA, Merriman TR, Netea MG, Crişan TO, Joosten LAB. Urate-induced epigenetic modifications in myeloid cells. *Arthritis Res Ther*. 2021 Jul 28;23(1):202.

Mohseni S, **Badii M**, Kylhammar A, Thomsen NOB, Eriksson KF, Malik RA, Rosén I, Dahlin LB. Longitudinal study of neuropathy, microangiopathy, and autophagy in sural nerve: Implications for diabetic neuropathy. *Brain Behav*. 2017 Jul 12;7(8):e00763.

Conferences

- Oral poster presentation at "Gout, Hyperuricemia and Crystal-Associated Disease Network (G-CAN) 9th Annual Meeting", La Jolla, California, 7-8 November 2023.
- Poster presentation at European Crystal Network online meeting workshop – Paris, 3-4 March, 2023.
- Oral presentation at "Gout, Hyperuricemia and Crystal-Associated Disease Network (G-CAN) 8th Annual Meeting", Alexandria, Virginia, 21-22 October 2022.
- Oral presentation at Summer Conference on Innate Immune Memory in Cluj-Napoca, 7-8th September 2022.
- Oral presentation at European Crystal Network online meeting workshop – Paris, April 7th, 2022.
- Oral presentation at European Crystal Network meeting workshop – Paris, 5-6 March, 2020.
- Attended "American College of Rheumatology (ACR/ARP) 2019 Post Annual Meeting", Atlanta, Georgia, 9-13 November 2019.
- Poster presentation at "Gout, Hyperuricemia and Crystal-Associated Disease Network (G-CAN) Fifth Annual Meeting", Atlanta, Georgia 8 November 2019.
- Poster presentation at 4th International Conference on Innate Immune Memory, Nijmegen, The Netherlands, 31 Oct-1 Nov, 2019.
- Poster presentation at the European Crystal Network meeting workshop – Paris, 14-15 March, 2019.
- Oral presentation at 5th National Congress of Medical Genetics with International Participation, Gura Humorului, September 26-28 Romania, 2018.
- Poster presentation at the international symposium 'New Frontiers in Innate Immunity and Inflammation, Cluj-Napoca, Romania, 5-7 September 2018.
- Attended "Molecular Biology – Current Aspects and Prospects" - Cluj-Napoca, Romania, 6-8 November 2015.
- Oral presentation at "Young Researchers in BioScience- International Symposium", Cluj-Napoca, Romania, July 23-27, 2014, at Babes-Bolyai University.

Honours and awards

Award winner oral presentation at European Crystal Network meeting workshop – Paris, 5-6 March, 2020.

Data: 13.05.2024