

PERSONAL INFORMATION



Mariya Ivanovska, M.D, PhD.

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Sex Female | Date of birth 26/02/1987 | Nationality North Macedonia

POSITION

Chief assistant professor in Clinical immunology, Clinical immunology specialist

WORK EXPERIENCE

09/2019- till present	Chief assistant Professor in Clinical Immunology at Medical University of Plovdiv,
01/06/2024- till present	Clinical Immunology specialist, University hospital St.George, Plovdiv, Bulgaria
07/05/2014- 17.12.2018	Phd student in Clinical Immunology at Medical University of Plovdiv, Bulgaria- Department of Microbiology and Immunology
10/03/2016- 09/2019	Assistant Professor in Clinical Immunology at Medical University of Plovdiv, Department of medical microbiology and immunology “Prof. dr Elissay Yanev”, Bulgaria
01/09/2015 – 31/12/2016	Studydrive- Germany Online tutor, Training of medical students in English, French, Bulgarian, Serbian and Macedonian language.
09/01/2015-01/09/2016	Medical doctor at Medical Center –Trimontcium, Plovdiv ,Bulgaria
07/09/2014- 01/09/2015	Coordinator at Library and Information Center – Medical University of Plovdiv, Bulgaria-consultations with foreign students
01/10/2013- 01/02/2014	Mytraveldoc.com- Mediaxes A/C Denmark- E-doctor, E-learning , E-consultations, Telemedicine
17/11/2012- 20/02/2013	MD Assistant at Multimedika ,1300 Kumanovo, North Macedonia
01/07/2013- 10/12/2013	Volunteer in medical center ERA-J 1300 Kumanovo, North Macedonia

EDUCATION AND TRAINING

2014-2018

Ph.D student in immunology, Medical University of Plovdiv, Bulgaria

September
December 2012

2006-
Graduated Doctor of Medicine (Master's degree)
Medical University of Plovdiv -Bulgaria

September 2002-
July 2006

Gotse Delchev High School, Kumanovo - North
Macedonia

27.11. 2017- 01.12.2017 - Department of Pharmacognosy, psychochemistry and biodiscovery, University of Wien, Vienna Austria- guest lecturer ERASMUS +;

21.11.2016- 25.11.2016- IZKF Forschergruppe für Experimentelle Stammzelltransplantation Medizinische Klinik und Poliklinik II & Universitäts-Kinderklinik, JULIUS-MAXIMILIANS UNIVERSITÄT WUERZBURG, Wurzburg, Germany – guest lecturer ERASMUS +;

15.09.2015- 13.12.2015 - Radboud University, Faculty of life sciences, Department of Cognitive neuroscience, Donders Institute for Brain, Cognition and Behavior - Nijmegen, The Netherlands ; Guest PhD, Project Erasmus +, Participation in various projects of dissertations

Part of Neuroinformatics conference, Participation at scientific conferences, lectures and presentation of my project - Immunological reactivity in acute and chronic stress;

03.04.2012-01.07.2012 - Universite de Sante et Droit, Lille, France

Student exchange ERASMUS+; Internship in surgery (pediatric orthopedics, plastic surgery, cardiac surgery)

PERSONAL SKILLS

Mother tongue(s)

Macedonian language

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	C2	C1	C1
French	B1	B2	B2	B2	B2
Serbian	C1	C1	C1	C1	C2
Bulgarian	C2	C2	C2	C2	C2

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

Communication skills	<ul style="list-style-type: none">- Strong referential values of fairness, equity and dignity- Ability to establish and maintain good working relations with people of different national and cultural backgrounds- Positive Attitude- Acting as a Team Player- Ability to Accept and Learn From Criticism- Excellent verbal and written communication skills- Reliable
Organisational / managerial skills	<ul style="list-style-type: none">- Organized person- End-oriented work capacity- Problem-solving attitude- Responsible- Confident in handling new tasks- Flexible in assignments- Attentive to detail- Able to work under tight deadlines
Job-related skills	<ul style="list-style-type: none">- Reliable and punctual with an excellent attendance record- Flexible and willing to assume additional responsibilities- Able to work independently or in a team-oriented environment- Maintain a positive, professional attitude with customers- Dedicated to achieving personal and professional goals- Problem solver with the ability to prioritize tasks- Excellent written and oral communication skills- Quick learner- Enthusiastic and enjoy meeting new people- Strong interest in helping and working with others- Motivated to learn new skills through on-the-job training- Well organized and detail minded
Computer skills	Microsoft Office, Excel, Word, Power Point, Outlook, and Microsoft Communicator. Adobe Photoshop, Visual basic, Biorander, SPSS
Other skills	Art
Driving licence	Yes

ADDITIONAL INFORMATION**Publications**

1. **Ivanovska M**, Abdi Z, Murdjeva M, Macedo D, Maes A, Maes M. CCL-11 or Eotaxin-1: An Immune Marker for Aging and Accelerated Aging in Neuro-Psychiatric Disorders. *Pharmaceuticals (Basel)*. 2020; 13 (9): 230. doi: 10.3390 / ph13090230 (IF = 4.286, Q1) Open access;
2. L. Vasileva, K. Saracheva, **M. Ivanovska**, A. Petrova, A. Marchev, M. Georgiev, M. Murdjeva, D. Getova. Antidepressant-like effect of salidroside and curcumin on the immunoreactivity of rats subjected to a chronic mild stress model. *Food and Chemical Toxicology*, September, 2018; 121: 604-611 (IF = 3.775, Q1);
3. Simeonova D, **Ivanovska M**, Murdjeva M, Carvalho AF, Maes M. Recognizing the Leaky Gut as a Trans-diagnostic Target for Neuroimmune Disorders Using Clinical Chemistry and Molecular Immunology Assays. *Curr Top Med Chem*. 2018; 18 (19): 1641 - 1655. doi: 10.2174 / 1568026618666181115100610 (IF = 3.442, Q2);
4. L. Vasileva, **M. Ivanovska**, K. Saracheva, M. Georgiev, M. Murdjeva. Immunoregulatory natural compounds in stress-induced depression: an alternative or an adjunct to conventional antidepressant therapy? *Food and Chemical Toxicology*. 2019 May; 127: 81-88. doi: 10.1016 / j.fct.2019.03.004 (IF=3.775, Q1);
5. Mohamed K, Rodríguez-Román E, Rahmani F, Zhang H, **Ivanovska M**, Makka S, Rezaei N. Borderless collaboration is needed for COVID-19 - A disease that knows no borders. *Infection Control & Hospital Epidemiology*, 2020; 41 (10): 1245-1246. doi: 10.1017 / ice.2020.162 (IF=2.938, Q1);
6. **M. Ivanovska**, P. Gardjeva, M. Murdjeva. Immunological reactivity in acute and chronic stress.

- General Medicine v.21, 1/2019, 80-92. (SJR = 0.11, Q4);
7. S. Dermendzhiev, **M. Ivanovska**, T. Dermendzhiev, Allergic Contact Dermatitis, Angioneurotic Edema and Conjunctivitis in a Patient with Autoimmune Thrombocytopenia - A Clinical Case. 2018. Open Access Macedonian Journal of Medical Sciences 6 (11): 2142-2146; (SJR = 0.26, Q3/Scopus/)
 8. Neychev D, Sbirikova T, **Ivanovska M**, Raycheva R, Murdjeva M, Atanasov D. Correlation between CGRP Levels and the Neuropathic and Inflammatory Component of Postoperative Pain. Folia Medica 2020, 62 (2): 365-371. <https://doi.org/10.3897/folmed.62.e46533> (SJR = 0.252, Q3 / Scopus /)
 9. Vasileva LV, Saracheva KE, **Ivanovska MV**, Petrova AP, Sucouglu E, Murdjeva MA, Getova-Spasova DP. Beneficial Effect of Chronic Treatment with Extracts from Rhodiola Rosea L. and Curcuma Longa L. on the Immunoreactivity of Animals Subjected to a Chronic Mild Stress Model. Folia Med (Plovdiv). 2017 Dec 20; 59 (4): 443-453. doi:10.1515 / folmed-2017-0046 (SJR = 0.252, Q3 / Scopus /)
 10. Mohamed K, Rezaei N, Rodríguez-Román E, Rahmani F, Zhang H, **Ivanovska M**, Makka S, Joya M, Makuku R, Islam S, Radwan N, Rahmah L, Goda R, Sunny O. Abarikwu, Shaw M, Zoghi S, Irtysyan S, Ling I, Cseprekal O, Attig-Bahar F, Hazar Sayar E, Soloukey C, Grancini G. International Efforts to Save Healthcare Personnel during COVID-19. Acta Biomedica 2020; 91 (3) N. 3: e2020044 DOI: 10.23750 / abm.v91i3.9891 (SJR=0.3, Q3/ Pubmed)

Preprints:

1. **Ivanovska M**, Naimova M, Murdjeva M. Stress and the glymphatic system. Authorea. August 14, 2020. DOI: 10.22541 / au.159740104.40869428 (preprint).

Abstracts:

1. Kostadinov, A. Mihaylova, H. Zlatanova, N. Doncheva, D. Delev, **M. Ivanovska**. P.414. Influence of the dopamine receptor agonist pramipexole on serum levels of pro-and anti-inflammatory cytokines, 32nd ECNP Congress. European Neuropsychopharmacology. 293-294, 2019 (IF = 3.853, Q1);

Awards

1. **M. Ivanovska** (UJA for Bulgaria). Certificate of appreciation for Top 5 World USERN UJA in 2020 (USERN Junior Ambassador) (https://usern.tums.ac.ir/News/New?title=The%205th%20USERN%20Anniversary:%20Half%20of%20a%20Decade%20With%20USERN%20Family&fbclid=IwAR1alSCon5_0HmVE_QWcdtRGlqXY1UvGaAXGmouwVsnxtXONi3zYIPIJ9Ys)
2. **M. Ivanovska**. National award for best young scientist- recognition for outstanding scientific achievements - The Pythagoras Prize by Ministry of Science and Education of Bulgaria, 05.2021
3. **M. Ivanovska**, P. Gardzheva, D. Terzieva, M. Semerdzhieva, M. Murdzheva. Immunological reactivity in chronic stress, Scientific session "Science and Youth", MU-Plovdiv, Bulgaria, 13-15.05.2016 – Scientific report (1st prize for the most successful project)
4. **M. Ivanovska**, G. Karagiannidis, D. Milkov, P. Gardjeva, D. Terzieva, M. Murdjeva. Stress hormones and immunological reactivity in students prior exam, XIV International medical scientific conference for students and young doctors, Pleven, Bulgaria, 10.10-13.10.2016. – Scientific report (1st prize for best report)
5. **M. Ivanovska**, P. Gardzheva, D. Terzieva, M. Murdzheva. Immunological reactivity and oxidative stress in physicians with chronic stress, National Scientific Conference "15 years of Pharmacy at the Medical University - Plovdiv", Devin, Bulgaria, 01-03.06.2018. - electronic poster (2nd place for excellent performance)

Honours and awards

Memberships

Membership

1. EAACI (European Academy of Allergy and Clinical Immunology), Zurich, Switzerland since 2016;
2. Young Ambassador of the Republic of Bulgaria - USERN Junior Ambassador of Bulgaria for 2018/2019/2020 (USERN - Universal Scientific Research Network), Iran since 2018;
3. Junior member of ESID (European Society for Immunodeficiencies), The Netherlands since 2018;
4. Member of EPN (European Psychoneuroimmunology network), Sweden since 2018;
5. Member of PNIRS (Psychoneuroimmunology society), USA since 2020;
6. Member of ISAC (International society for advancement in cytometry), USA since 2021;
7. Member of ESMO (European society for medical oncology), Switzerland since 2021.

Projects

1. Intra-university projects:

1.1. D. Simeonova, D. Stoyanov, S. Kandilarova, A. Georgiev, **M. Ivanovska**, M. Murdjeva. Scientific project with № HO-11/2019, entry № 8243 / 31.10.2018 "New biomarkers in anxiety and depressive disorders. Psychopathological and translational-neurobiological constellations "(current);

1.2. A. Baldzhieva, H. Burnusuzov, **M. Ivanovska**, T. Dimcheva, H. Taskov. Scientific project №DPDP-03/2020 „ Development and introduction of multiparameter flow cytometry with multidimensional computer analysis for early detection of minimal residual disease in pediatric acute lymphoblastic leukemia"(current);

1.3. A. Chonin, I. Stoeva-Ivanova, **M. Ivanovska**, E. Hristozova, M. Murdjeva Scientific project № NO-08/2019. Burning Mouth Syndrome - Assessing the Role of Local Factors, Stress and Anxiety Levels (current);

1.4. P. Vasilev, **M. Ivanovska**, E. Hristozova, M. Stoycheva, M. Murdjeva. Scientific project №SDP-02/2018 "Study of the genotypic distribution and some pathogenetic mechanisms of Clostridium difficile associated diarrhea in hospitalized patients at the University Hospital" St. George"-Plovdiv" (finished);

1.5. D. Neychev, **M. Ivanovska**, M. Murdjeva. Project № DPDP-12/2-19 "Effect of serotonin and kynurenic acid on postoperative pain, neuroinflammation and anxiety after surgical removal of third mandibular molars" (completed);

1.6. N. Doncheva, I. Kostadinov, A. Mihailova, **M. Ivanovska**. №DPDP-20/2019 "Study of the effects of cholecalciferol on experimental models of impaired memory, neuro- and systemic inflammation" (current).

2. National projects and programs:

2.1. **M. Ivanovska**. "DOCTORANT- 2", Project №BG05M2OP001-2.009-0025 "Doctoral Training at MU-Plovdiv for Competence, Creativity, Originality, Realization and Academism in Science and Technology - 2 (DOCTORANT - 2)", funded by the Operational Education for Smart Growth ", co-financed by the European Union through the European Structural and Investment Funds, MU-Plovdiv (PhD student, part of the target group);

2.2. **M. Ivanovska**. Section - Immunological assessment of post-traumatic stress disorder (PTSD), Knowledge and innovation for developed economy and health - Technological Center for Emergency Medicine, BG161PO003-1.2.03, 2012, funded by MEET, OP "Development of the competitiveness of the Bulgarian economy 2007-2013", MU-Plovdiv (leading researcher at the section);

2.3. **M. Ivanovska**, H. Burnusuzov, M. Murdjeva. Competence Center, Personalized Innovative Medicine (PERIMED) ", Project №BG05M2OP001-1.002, funded by the Operational Program" Science and Education for Smart Growth 2014-2020 ", co-financed by the European Union through the European Structural and Investment Funds, Priority Axis 1" Scientific Research and Technological Development", MU-Plovdiv (researcher, part of the research team);

2.4. A. Kunchev, M. Murdjeva, M. Atanasova, **M. Ivanovska**, J. Stoilova, A. Kevorkyan, T. Kantardzhiev. Seroepidemiological study to assess humoral immunity against SARS-CoV-2 in the population and health workers in the city of Plovdiv, weeks 21-24 of 2020. The study is conducted in implementation of Order RD-02-51 / 08-05-2020 of the Minister of Health, issued on the basis of Art. 63, para 1 of the Health Act (part of the research team);

2.5. H. Taskov, M. Murdjeva, **M. Ivanovska**. Approved for funding by FSI KP-06-K1-06 / 09.2020 „Immunological memory in SARS-CoV 2 / COVID-19: mechanisms, duration, and cross-reactivity. National Science Fund. THEMATIC CALL "Funding of fundamental research projects on public challenges associated with the COVID-19 pandemic - 2020" together with NCIPD-Sofia and MMA-Sofia (part of the research team);

2.6. M. Stoycheva, V. Sarafyan, **M. Ivanovska**, M. Murdjeva, Approved for funding by NSF KP06-K1 / 33, 23.06.2020 "COVID-19 HUB -

Information, innovation and implementation of integrative research", NSF, Thematic line for COVID-19 - 2020 (part of the research team);

2.7. **M. Ivanovska.** Trust for Social Alternative Foundation, EEA, Norwegian Financial Mechanism, "Asylum, Migration, Integration" Fund and "Internal Security" Fund, "Mentoring support for Roma students studying health specialties" within the Active Citizens of Bulgaria Fund (Active Citizens Fund) under the Financial Mechanism (FM) of the European Economic Area 2014-2021 (mentor).

3. Participation in international research projects with ranking:

3.1. **M. Ivanovska.** "Creation of a regional university in the field of health, nutrition and food safety - SaIN" (2017-2019), the University Francophone Agency, the creation of an interuniversity regional Francophone network for innovative educational, research and related projects nutrition and food safety in relation to human health, in a consortium of 14 universities from Central and Eastern Europe, 2017-2019, MU-Plovdiv (researcher, part of the target group).

