

PERSONAL INFORMATION

TSVETELINA BATSALOVA



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Nationality Bulgarian

WORK EXPERIENCE

December 2020 - present

Associate Professor

Plovdiv University, Faculty of Biology, Department of Developmental biology; <https://uni-plovdiv.bg/>

- Lecturer in Bachelor's degree programs (lecture and practical courses in Cell biology, Animal cell cultures, Stem cells and regeneration, Animal cell cultures and hybridoma technologies)
- Lecturer in Master's degree programs (lecture and practical courses in Cell and tissue cultures, Flow cytometry, Cytological methods in clinical diagnostics)
- Planning, managing and implementation of research projects
- Supervision of students undertaking research projects, Bachelor's thesis research and Master's thesis research
- Supervision of PhD students

Business or sector Science and Education

January 2013 – November 2020

Chief Assistant Professor

Plovdiv University, Faculty of Biology, Department of Developmental biology; <https://uni-plovdiv.bg/>

- Lecturer in Bachelor's degree programs (lecture and practical courses in Cell biology, Animal cell cultures, Stem cells and regeneration)
- Lecturer in Master's degree programs (lecture and practical courses in Cell and tissue cultures, Flow cytometry, Cytological methods in clinical diagnostics)
- Planning and implementation of research projects
- Supervision of students undertaking research projects, Bachelor's thesis research and Master's thesis research
- Supervision of PhD students

Business or sector Science and Education

EDUCATION AND TRAINING

March 2009 – September 2011

PhD degree

Level 8/ EQF

Plovdiv University, Faculty of Biology, Department of Developmental biology; <https://uni-plovdiv.bg/>

- Protein posttranslational modifications, Molecular and cellular mechanisms associated with autoimmune diseases, English language
- Teaching: practical courses in Cell biology
- Thesis title: Role of MHC II and posttranslational modifications of collagen type II for cell communication in rheumatoid arthritis

October 2005 – June 2006

MSc degree in Cell biology

Level 7/ EQF

Plovdiv University, Faculty of Biology; <https://uni-plovdiv.bg/>

- Academic courses in Cell biology

October 2001 – July 2005

BSc degree in Molecular biology

Level 6/ EQF

Plovdiv University, Faculty of Biology; <https://uni-plovdiv.bg/>

- Academic courses in Biology, emphasis on Molecular biology

PERSONAL SKILLS

Mother tongue(s) Bulgarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	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

- good communication skills gained through my experience as guest researcher, PhD student and lecturer
- ability for team-work, presentation of results and achievements
- honesty, correctness and responsibility

Organisational / managerial skills

- planning, management and implementation of research projects
- supervision of students
- ability to organize tasks effectively and solve problems independently

Job-related skills

- lecturing
- development of innovative research and educational strategies
- maintaining a high quality record of regular and original research publications
- time management

Computer skills and technical competencies

- good command of Microsoft Office™ and Mac OS tools; StatView, EndNote, Canvas, FlowJo
- work with specific laboratory equipment used for the following experimental methods and assays: cell and tissue cultures; generation of T cell and B cell hybridoma lines, T cell hybridoma assays; *in vitro* T cell restimulation assays; *in vitro* cytotoxicity and genotoxicity assays; gel electrophoresis (SDS-PAGE, N-PAGE, agarose gel electrophoresis); Western blot, ELISA, ELISPOT, MACS, PCR, Flow cytometry; HPLC (purification of mouse monoclonal antibodies, recombinant MHC II proteins and T-cell receptors); generation and purification of MHC II-peptide complexes; MHC II-peptide binding assays; adhesion assays
- work with experimental mouse strains (breeding and screening of transgenic mice; intradermal, intravenous and intraperitoneal injection; blood and lymphoid organs collection; induction and evaluation of collagen-induced arthritis; Induction and evaluation of experimental autoimmune encephalomyelitis

Driving licence

- B

ADDITIONAL INFORMATION

Specializations, honours and awards

- August 2010 – September 2010
FEBS scholarship; advanced practical course “Techniques in free radical biology”, University of Debrecen, Hungary
- March 2009 – August 2009
Guest PhD student, Division of Medical Inflammation Research, Department of Medical biochemistry and biophysics, Karolinska institute, Stockholm, Sweden
- December 2008 – February 2009
Research fellowship, King Gustav V 80 years foundation
Division of Medical Inflammation Research, Department of Medical biochemistry and biophysics, Karolinska institute, Stockholm, Sweden
- May 2007 – November 2008
Guest researcher scholarship (12 months), Swedish Institute; Research fellowship, King Gustav V 80 years foundation (7 months)
Division of Medical Inflammation Research, Lund University, Sweden

Memberships

- Union of Scientists in Bulgaria (section Biophysics, Biochemistry and Molecular biology; section Immunology)

Scientific interests

- Cell biology and Immunology
- Autoimmunity, Allergy, Immunological tolerance and immune-specific vaccination, Antigen-specific immune responses, Protein posttranslational modifications, *In vitro* cytotoxicity, Anticancer activity, Biofunctionalization of nanoparticles, Biologically active compounds

Publications

- Total number of research papers: 38
- Scientific publications with impact factor/impact rang: 21
- Total number of research papers in the last 5 years: 20
- Scientific publications with impact factor/impact rang in the last 5 years: 12
- Number of citations: 208
- Number of citations in the last 5 years: 90
- H-Index (Indexed by Scopus or Web of Science): 8
- Publications at Research Gate: <https://www.researchgate.net/profile/Tsvetelina-Batsalova/research>
- Publications at Scopus: <https://www.scopus.com/authid/detail.uri?authorId=36132755400>