

21 PERSONAL INFORMATION

Anca HERMENEAN



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JOB APPLIED FOR

Visiting professor

WORK EXPERIENCE

From 2020

Professor - Associate Member

Department of Biochemistry and Molecular Biology, Faculty of Biology, University of Bucharest, Romania, www.unibuc.ro

- Master Program: Applied Clinical Biochemistry; teaching courses and tutorials: Basis of the cellular and tissular pathology
- Research in histology, histopathology and electron microscopy

From 2017

Professor - Associate Member

Faculty of Engineering in Foreign Languages, Politehnica University of Bucharest, www.upb.ro

- Master Program: Biomaterials for Tissue Engineering; teaching courses and tutorials: Cell and Tissue Biology, Debilitating Diseases of Tissue, Experimental Models for Tissue Regeneration
- Business or sector** Academic

From 2016

Director of VGWU Doctoral Studies Council

Vasile Goldis Western University of Arad, Romania, www.uvvg.ro

- Management of Doctoral Studies Council, strategies for Doctoral Schools of Medicine and Biology
- Business or sector** Management

From 2010

Vice-rector for Research

Vasile Goldis Western University of Arad, Romania, www.uvvg.ro

- Management of Research in VGWUA
- Business or sector** Management

From 2020

Director of Life Science Institute and Principal Investigator

Institute of Life Sciences, Vasile Goldis Western University of Arad, Romania, www.uvvg.ro

- Management of research projects and research activity in microscopy labs and animal facility
- Business or sector** Research

From 2010

Professor

Faculty of Medicine, Vasile Goldis Western University of Arad, Romania, www.uvvg.ro

- Courses in Histology
 - Research in Histology/Cell biology
- Business or sector** Academic

2005-2010

Associate Professor

Faculty of Medicine, Vasile Goldis Western University of Arad, Romania, www.uvvg.ro

- Courses in Histology
 - Research in Histology/ Cell biology
- Business or sector** Academic

2002-2005 Lecturer

Faculty of Medicine, Vasile Goldis Western University of Arad, Romania, www.uvvg.ro

- Courses and tutorials in Histology
 - Research in Histology/ Cell biology
- Business or sector** Academic

1995-2002 Assistant

Faculty of Medicine, Vasile Goldis Western University of Arad, Romania, www.uvvg.ro

- tutorials in Cell biology and Histology
 - research in Histology/ Cell biology
- Business or sector** Academic

EDUCATION AND TRAINING

2015 Habilitation in Biology

Ministry of Education Decision no.4922/18.08.2015

- Postdoctoral teaching and research qualification in PhD supervising in biology field

1997-2003 PhD in Biology

Faculty of Biology, Babes-Bolyai University of Cluj-Napoca, Romania, www.ubb.ro

- Electron microscopy, histopathology and immunohistochemistry basis

1989-1994 Bs in Biology

Faculty of Biology, Babes-Bolyai University of Cluj-Napoca, Romania, www.ubb.ro

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

PERSONAL SKILLS

Communication skills Good communication skills gained through my experience of manager, teacher, scientist and speaker at scientific meetings

Organisational / managerial skills My activities highlighting organisational/managerial skills are listed below:

- Vice-Rector for research in VGWU (since 2010), more than 600 employees;
- Deputy director of Life Science Institute in VGWU (since 2010), more than 80 employees, PhD students and postdocs;
- Director of VGWU Doctoral Council (since 2016), more than 100 PhD supervisors and PhD students in medicine and biology
- Project Manager: 3 research projects financed by EU funds, 8 research projects financed by national funds (UEFISCDI and Romanian Academy), 1 project financed by structural funds
- Establish/Management of the new research infrastructures: Animal facility of VGWU (http://eris.gov.ro/animal_facility-ILS-UVVG); Histopathology, Optical, Fluorescence and Confocal Microscopy Facility (<http://eris.gov.ro/Histology-ILS-UVVG>)

Job-related skills Areas of expertise – histology, histopathology, immunohistochemistry and electron microscopy in the following scientific fields:

- **Phytomedicine**
 Modulation of signal transduction pathways by phytochemicals
 Molecular regulation of anti-inflammatory responses by phytochemicals
 Molecular regulation of anti-fibrotic responses by phytochemicals
 Molecular mechanisms of phytochemicals against hepatic, gastrointestinal and renal diseases
 Interactions between phytochemicals and different drugs or chemicals
- **Nanobiotechnology**
 Bio-interfaces characterization, in vivo biocompatibility studies
 Characterisation of interaction between nanomaterials/nanomedicines and biological systems (proteins, enzymes, cell membranes, organelles)
 In vivo assays for uptake studies, structural and ultrastructural toxicological effects
- **Toxicology and Ecotoxicology**
 Gastrointestinal and hepatic toxicology, cardio-pulmonary toxicology, renal toxicology
 Fish toxicology in polluted environments
- **Regenerative medicine**
 In vivo biocompatibility studies
 Tissue repair and regeneration pathways
 Molecular signals, growth factors, molecular recognition

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

- good command of office suite (word processor, spread sheet, presentation software), Adobe Photoshop, Excell, Microscopy software

ADDITIONAL INFORMATION

Driving licence Driving licence B

Publications 97 papers in journals indexed in WoS Core Collection with a total IF=288,26; 54 IDB articles, 6 monographs and 3 chapters H-index = 20 (WoS) and 25 (Google scholar)
 (e.g. Scientific Reports, Chemic-Biological Interaction, Toxicology in vitro, Drug and Chemical Toxicology, Dose-Response, Composites: Part B, International Journal of Molecular Sciences, American Journal of Physiology, Current Pharmaceutical Design, Frontiers in Pharmacology, Frontiers in Physiology, PloS One, Journal of Cellular and Molecular Medicine, British Journal of

Pharmacology, Antioxidants, Biomolecules, Journal of Clinical Medicine, Journal of Physiology, Cells, Materials, Animals, Nanotoxicology, Journal of Advanced Research)

Patents

European patent: *“Pharmaceutical composition useful for preventing and treating liver disease, comprises oil isolated from Silybum marianum seed”*, Patent Number: WO2013124700-A2; HU201300110-A1, Patent assignee: Univ. Debrecen, Hungary and Vasile Goldis Western University of Arad, Romania

Patent application no. A/01052, 05.12.2018 to OSIM *“System drug delivery chrysin-random methyl-beta cyclodextrin (RAMEB) with anti-fibrosis potential to heal hepatic fibrosis lesions”*

Projects

3 research projects financed by EU funds (manager), 7 research projects financed by national funds (UEFISCDI and Romanian Academy (manager), 1 project financed by structural funds (manager)
2 research projects financed by EU funds (researcher), 2 projects financed by structural funds (researcher)

Management Scientific Committees

COST TD0901 *“Hypoxia sensing, signaling and adaptation”* supported by the EU RTD Framework Programme, 2009-2013 (starting date: 16.11.2009; end date: 15.11.2013) <http://hypoxianet.com>

Memberships

Romanian Society of Cell Biology (since 1997)
National Society for Normal and Pathological Morphology (since 2004)
Association of Environmental Health and Protection of DKMT Euroregion (since 2007)
Association for Multidisciplinary Research in Western Romania (ACM-V Romania), since 2007

Editorial board

Annals of the National Society for Cell Biology, ISSN: 1583-6258
Studia Universitatis Vasile Goldis, Life Science Series, ISSN: 1584-2363
Histology and Histopathology Research, Pulsus Publishing House

Peer-reviewer

Histology and Histopathology, Experimental and Therapeutic Medicine, Drug-Response, Drug and Chemical Toxicology, Toxicology and Applied Pharmacology, Toxin Review, International Journal of Biological Macromolecules, Int. Journal of Molecular Sciences

Evaluation Board for PhD thesis

2015 - University of Bucharest, Doctoral School of Biology (2 PhD thesis)
2016 - University of Bucharest, Doctoral School of Biology (2 PhD thesis)
2017 – University of Campania Luigi Vanvitelli, Napoli, Italy, Translational medicine Doctoral School (1 PhD thesis)
2018 – University of Bucharest, Doctoral School of Biology (1 PhD thesis)
2018 – Victor Babes Medicine and Pharmacy University of Timisoara, Doctoral School of Medicine (2 PhD thesis)
2018 – University of Campania Luigi Vanvitelli, Napoli, Italy, Translational Medicine Doctoral School (1 PhD thesis)
2019 - University of Bucharest, Doctoral School of Biology (1 PhD thesis)

Research Projects Assessment

Bulgaria Research Calls through the Ministry of Education and Research of Bulgaria (2008, 2009)
EU Research Calls in the frame of Romania-Hungaria Cross-Border Cooperation Programme 2007-2013 (HURO/0801 and HURO/0901 Calls)
Romania Research Calls through UEFISCDI (The Executive Agency for Higher Education, Research, Development and Innovation Funding): IDEI 2007, TE 2010, PD 2010, RP 2010; TE 2019)
FLAG-ERA Joint Transnational Call 2019: FLAG-ERA - Graphene - Basic Research 2 2019

Certifications

Project Manager (Certificate no. 0107518/2008 by Ministry of Work and Ministry of Education) and (Certificate Serie C no 1629/26.02.2019)
ISO 14001 Environmental External Audit Expert (Certificate no. 0187898/2007 by Ministry of

Work and Ministry of Education)
ISO 9001 Quality External Audit Expert (Certificate no. 0187898/2007 by Ministry of Work and Ministry of Education)
Expert in Research Management (Certificate by UEFISCDI through Strategic project: University Management Strengthening - 2011)

ANNEXES

- list of publications, projects and patents