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First name(s) / Surname(s) **First name(s) Surname(s) Felicia ANTOHE, PhD**

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Nationality Romanian

Date of birth 22.11.1952

Gender F

Employment / Occupational field **Institute of Cellular Biology and Pathology N. Simionescu, Romanian Academy,
 Head of Proteomics Department, CS I
 Coordinator of Monoclonal Antibody Laboratory
 PhD Coordinator in Biology IOD: Romanian Academy, ICA: IBPC NS, MEdC.**

Work experience

Occupation or position held - Principal investigator and Member of the Scientific Council in IBPC N Simionescu
 -PhD Advisor in Cellular and Molecular Biology; Advisor for graduate and master program
 -Research fellow: McGill University, Montreal, Canada.
 -Visiting scientist: University of Alberta, Edmonton Canada; Max Planck Institute, Bad Nauheim, Germany;
 University of Texas, Dallas, USA; Molecular Biology and Genetics, Dresden, Germany; Université René
 Descartes, Paris V, L'Université des Sciences et Technologies de Lille I, France.
 -Expert Evaluator/Reporter in the EC Framework FP6 and FP7; for the Ministry of Education and Research;
 National Council of Research and High Education (CNCSIS): National Framework for Research,
 Development and Innovation (PN-II); Invited peer reviewer for international journals.
 -President of Biology Commission of CNATDCU (2006-2011).
 -MC management in the COST CA16113 CliniMARK action (Good biomarker practice) 2017-2020.
 -Board member of Central and Eastern European Proteomic Conferences (CEEPC), <http://www.ceepe.eu>.

Education and training

Title of qualification awarded -University of Bucharest, Faculty of Physics, (1972-1977), Master degree in Biophysics;
 -MEdC/Romanian Academy IOD/ IBPC NS ICA, Ph.D. Training, (1985-1994), Ph.D. in Biology.
 -2000-PhD Coordinator in Biology IOD: Romanian Academy, ICA: IBPC NS, MEdC.

Principal subjects/occupational skills covered	<p>Didactic activities: Lectures, seminars and laboratories to national and international meetings related to the biomedical research topic.</p> <p>Research activities: Cell receptors and traffic in endothelial cells in normal and pathological conditions. Bio-pathology of atherosclerosis, diabetes and immune disorders. Transport of macromolecules in vascular cells: Transcytosis, Endocytosis. Monoclonal antibodies as diagnostic and therapeutic tools. Proteomic of endothelial cells in health and disease. Micro-domains, lipid rafts and caveolae: structural and functional characterization. Inflammatory systemic diseases.</p> <p>-Manager/coordinator of more than 44 research projects gained by competition from national (34) and international (10) programs;</p> <p>-PhD advisor for 12 PhD students.</p> <p>Technical expertise: Immunological methods: Monoclonal antibodies, FACS, ELISA. Cell Biology: cell culture, animal models, microsurgery, electron microscopy, immunocytochemistry, fluorescence microscopy, protein labeling, western blotting, DNA and protein electrophoresis, gel and affinity chromatography. Vascular cell proteomics and Radiobiochemistry: One and 2D SDS-PAGE, protein radio-labeling, scintillation and gamma counting, autoradiography at LM and EM level. Molecular Biology: PCR, RT-qPCR, in situ hybridization, plasmid transfection.</p>
Level in national or international classification	<p>Prizes and Awards:</p> <p>-International prizes: EURESCO Prize of the Euresco Conferences, Membrane Dynamics in Endocytosis-Molecular Regulation, Tomar, Portugal, 2001; ESF Grand for EURESCO Conferences: 1995-Ireland, 1997-Spain, 1998-France, 2001-Portugal; BIO-RAD Laboratories Prize for valuable research, 2002 ; IIIrd Award of the International Congress of Medical Sciences, Bulgaria, 2003; Summer School Fellowship: Soft Condensed Matter Physics in Molecular and Cell Biology, Edinburgh, Scotland, UK, 2004; The Best Poster of the Conference: "8th International Conference, Vascular Endothelium: Translating Discoveries into Public Health Practice", 2005, Knossos Royal Village, Greece; COST STSM 2008, in Proteomic analysis of lipid rafts in normal and hyperlipidemic condition. Host: Institute of Clinical Biochemistry and Pathobiochemistry, Düsseldorf, Germany; Romanian Academy Emil Racovita Prize, 1991; 8 other prestigious awards from National Scientific Events or Academic Institutions (UB, IBPC, MEdC, SRBC, CNCSIS).</p> <p>-Invited talks and communications presentations: 15 invited lecture/ communications; 70 international participation to conferences, 10 invited monographs published in international prestigious eds.</p>
Technical skills and competences	<ul style="list-style-type: none"> • Biotechnology of monoclonal antibodies production • Molecular mechanisms of macromolecules transport through cellular monolayer (human and murin transport of IgG through placental barrier) • Biotechnology of cell culture system in mono and bicameral system • Photosintertic mechanisms of organic matter production • Cellular and molecular biology of vascular endothelium • Molecular mechanisms of membrane cellular receptors for vasoactive amine, albumin binding proteins ABP, lipoprotein-LDL, IgG, folic acid,... • Immunochemistry and immunotechnology of specific polyclonal antibodies production • Organization, dynamic and physiology of membranary lipids • Endocytosis and transcytosis receptor mediated mechanisms in different cellular systems • Preparation and characterization of advanced and nanostructured materials and devices.
Other skills and competences	<p>- Supervising Master and 12 PhD students. Training in laboratory skills of young researchers; Referee for 15 PhD thesis (ICBP NS, Univ of Bucharest Faculty of Biology and Physics-Biophysics, UMF Bucharest.</p>
Additional information	<p>Scientometric factors. (ISI Thomson and Scholar Academics)</p> <p>-170 Scientific papers and communications in collaborations. 69 WOS results, 2005 ISI Citations Hirsh: 22; i10 index 35. (https://scholar.google.ro/citations?hl=en&user=LK6U6x8AAAAJ).</p> <p>-11 Monographs or Chapters of Books in national and international book editures acquired by 1951 international libraries (www.worldcat.org)</p> <p>-17 International invited lectures and 100 competitive international communications and posters</p> <p>-35 national and 15 international competitive research grants and projects.</p>

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