



PERSONAL INFORMATION

Adriana Georgescu, PhD. Habil, Principal Investigator Grade I, Biophysicist, Head of Department of Pathophysiology and Pharmacology, Institute of Cellular Biology and Pathology 'Nicolae Simionescu' (ICBP 'NS'), Bucharest, Romania

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Date of birth: **22.01.1971**

• EDUCATION

2014 (January) - *Habilitation Degree*, ICBP 'NS', Bucharest, Romania

2010 - 2013 - *Postdoctoral Research Fellow*, ICBP 'NS', Bucharest, Romania and 'Petru Poni' Institute of Macromolecular Chemistry, Iasi, Romania, Research Domain: Biomaterials; Subdomain: Materials for tissue engineering and implantology - *Postdoc supervisor Acad. Maya Simionescu*

2005 (May) - *Doctoral Degree, Summa Cum Laude*, Natural Sciences: Biology Domain, ICBP 'NS', Bucharest, Romania - *PhD supervisor Acad. Maya Simionescu*;

1996 - *Master's Degree in Biophysics*, Faculty of Physics, University of Bucharest, Romania

1995 - *Bachelor's Degree in Physics*, Faculty of Physics, University of Bucharest, Romania

1989 - *Baccalaureate* - 'Ion Mihalache' High School, Topoloveni, Arges, Romania

• CURRENT POSITION(S)

2016 (since May) - **present** - *Head of Department of Pathophysiology and Pharmacology*, ICBP 'NS', Bucharest, Romania

2013 (since November) – **present** - *Principal Investigator Grade I*, ICBP 'NS', Bucharest, Romania

• INSTITUTIONAL RESPONSIBILITIES

2016 (since May) – **present** - *Member of the Scientific Council* of ICBP 'NS', Bucharest, Romania

2014 (since January) – **present** - *PhD supervisor*, ICBP 'NS', Bucharest, Romania

2012: *Expert Evaluator in Biology, Biochemistry and Pharmacy* - Commission of National Council for the Certify of Titles, Diplomas and University Certifications (CNATDCU), Ministry of National Education and Scientific Research, Bucharest, Romania

- **COMMISSIONS OF TRUST:** ● **Reviewer at scientific international journals:** *European Journal of Pharmacology, American Journal of Hypertension, Pharmaceutical Research, Scientia Pharmaceutica, Free Radical Research, Diabetes/Metabolism Research and Reviews, Cell Biochemistry and Biophysics, Acta Diabetologica, Hypertension Research, Cardiovascular Diabetology, Journal of Diabetes and Its Complications, F1000 Faculty Reviews, Experimental Biology and Medicine, PLOS ONE, Diabetes, Scientific Reports – Nature, etc.* ● **Expert evaluator for national/international grants:** **National:** (1) Human Resources/projects: PD/TE (2011/2012); (2) 'Joint research projects' – Collaboration Romania-France (2013); (3) Exploratory Workshops (WE) (2011); (4) Fulbright senior postdoctoral award competition for 2017-2018; **International:** (1) Ministry of Science, Education and Sports (MSES) of Republic of Croatia and the first Croatian Marie Curie FP7-PEOPLE-2011-COFUND program-NEWFELPRO (2015); (2) WHRI-ACADEMY fellowship programme: London, UK (2015/2016); (3) 'SONATA/PRELUDE' Grants for Executive Government Agency of National Science Center, Poland' (2015); (4) The 5th Call for Proposals for post-doctoral researchers of EU-funded William Harvey

International Translational Research Academy(WHRI-ACADEMY) London, UK (2016); ● **Member in editorial board of international journals:** *World Journal of Diabetes, Journal of Cardiology and Therap,; Frontiers in Cardiovascular Medicine: Atherosclerosis and Vascular Medicine, Annals of Cardiovascular Diseases; etc.*

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES:** ●Romanian Society for Cell Biology; ●National Society for Regenerative Medicine and Surgery; ●Romanian Society of Hypertension; ●European Atherosclerosis Society; ●The Diabetes and Cardiovascular Disease (EASD) Study Group; ●European Vascular Biology Organisation (EVBO); ●European Society of Cardiology (ESC): Working Group on Atherosclerosis and Vascular Biology.

● **HONOURS AND AWARDS:** The are 6 International and 21 National Prizes for Adriana Georgescu

- **RESEARCH RECORD:** In the period 1997-2017, Adriana Georgescu published: (1) 41 ISI articles (17 as first and 12 as last author); (2) 16 BDI articles (6 as first and 5 as last author); (3) 2 books as first author; (4) 2 book chapters as first/last author; (5) 20 abstracts in ISI journals (12 as main author); (6) 1 science newspaper articles as last author.

It should also be mentioned for Adriana Georgescu: ● 4 oral presentations at prestigious Universities (Institutes) from abroad; ●16 oral presentations at international conferences; ● 20 oral presentations at national conferences; ● 84 poster communications at international conferences and 18 at national conferences; ● 8 international courses.

- **PROFESSIONAL PERFORMANCE:** total number of citations = 648, h-index = 15, i10-index = 24 (please see 'Google Academic'), and RG score = 33.86 (please see Research Gate).

- **SUCCINCT FUNDING**

- **Project manager** for 13 national projects and 2 international grants.

- **Collaborator** at 17 national projects and 4 international grants.

- **FELLOWSHIPS:** ●2001 (1 month) Frederic Alexander Universitat, Erlangen, Germany-*Detection of DNA-bound advanced Glycation End-products - High performance liquid chromatography (HPLC) technique- Dr. Monika Pischetsrieder;* ●2006 (1 month) Cardiovascular Research Center, INSERM - UMR970, Paris, France - *Circulating Microparticle Isolation and Analysis - flow cytometry technique- Dr. Chantal M. Boulanger;* ●2007 (2 months) Institute of Physiology and Biophysics, Aarhus University, Aarhus, Denmark- *Downregulation of L-type calcium channel expression in rat small mesenteric arteries with siRNA transfection in vivo-wire, culture and pressure myograph techniques and in vivo measurements of intracellular calcium- Dr. Christian Aalkjaer;* ● 2011 (1 week)- Centre of Advanced Researchers for Bio-nanoconjugates and Biopolymers - 'Petru Poni' Institute of Macromolecular Chemistry, Iasi, Romania - Scanning electron microscope technique - **Dr. Mariana Pinteala;** ●2012 (2 weeks)-University Medical Center, Dept. Pathology and Medical Biology, Groningen, Netherlands-*Laser MicroDissection (LMD) System (on glomeruli and arteries), RNA isolation and integrity, cDNA synthesis and RT-qPCR - Dr. Grietje Molema;* ●2012 (1 month) - Portuguese Institute of Oncology. Department of Angiogenesis, Faculty of Medicine, University of Lisbon, Lisbon, Portugal - *HUVEC and HL60 cultures, microparticles isolation from cell cultures, miRNA isolation from MPs and RT-qPCR, Bioanalysis of miRNAs, fluorescence, in situ hybridization- Dr. Sérgio Dias;* ●2012 (1 month) -Queen's University Belfast. Centre for Vision & Vascular Science Belfast (Northern Ireland, UK) - *endothelial progenitor cell (EPC) isolation from peripheral blood; early and late EPC cultures; microparticles isolation from EPC cultures; confocal microscopy- Dr. Alan Stitt;* ●2012 (1 month) - Center for Applied Medical Research (CIMA), University of Navarra, Division of Cardiovascular Sciences; Atherothrombosis, Atherosclerosis and Inflammation Department, Pamplona, Spain - *thromboelastometry (ROTEM), mouse model of thromboembolic stroke, mouse tail bleeding model, flow cytometry, isolation and purification of microparticles from plasma of TAFI knockout mice after ischemic stroke model, fibrinolytic activity of microparticles, enzymatic kinetics, isolation of Human Umbilical Vein Endothelial Cells (HUVEC), immunohistochemistry for brain hemorrhage and infarct size. - Dr. Jose' Antonio Páramo*

- **RESEARCH INTERESTS:** Our studies are focused on the cellular and molecular mechanisms underlying pathophysiological and physiological processes in the cardiovascular system, to define new therapeutic approaches for atherosclerosis regression and prevention of cardiovascular disease events.

The current research interests involve: microparticles as intracellular delivery strategies for microRNAs and potential therapies for atherosclerotic vascular disease; endothelial progenitor cell dysfunction and platelet-endothelial progenitor cell interplay in atherosclerotic disease.

We use an integrated approach from animal models and cell cultures to preclinical studies for pathophysiological and pharmacological investigations.