

## *Curriculum vitae*

**Mihai Bogdan Preda**, PhD, 32 years old, is currently a Scientific Researcher in the Laboratory of Stem Cell Biology, Department of Regenerative Medicine of the Institute of Cellular Biology and Pathology „Nicolae Simionescu”, Romanian Academy.

### **Education, degrees and diplomas:**

**2007-** Faculty of Biology, Department of Experimental Biology, University of Bucharest, Licence diploma in Biology.

**2009-** Faculty of Biology, University of Bucharest, Master diploma in Medical Biology.

**2013-** PhD in Biological Sciences, Institute of Cellular Biology and Pathology “Nicolae Simionescu” of the Romanian Academy (supervisor Acad. Maya Simionescu). Thesis title: Stem cell therapy for myocardial infarction: mechanisms and molecular signals by which transplanted cells confers cardioprotection in ischemia.

### **Postgraduate Courses:**

**2007-** “Cellular and molecular bases of angiogenesis and lymphangiogenesis in the normal and pathological conditions”, U.M.F. Victor Babeş Timișoara, Romania;

**2007-** “From Cellular and Molecular Biology to the XXI Century Medicine”, ICBP „N. Simionescu”, Bucharest, Romania;

**2008-** „Summer School in Embryology and Embryonic Stem Cell Biology”, organised by West University Timisoara, Romania and Ulm University, Germany;

**2008-** „From gene expression and protein activation to human diseases”, ICBP „N. Simionescu”, Bucharest, Romania;

**2012-** „Simionescu's Advanced School of Cellular and Molecular Approaches for the Progress of the Biomedical Research”, ICBP „N. Simionescu”, Bucharest, Romania.

*Expertise: Cell culture; obtaining embryonic stem cells and adult stem cells (mesenchymal stem cells isolated from bone marrow or adipose tissue); surgical techniques in laboratory animals (mouse model of myocardial infarction, mouse model of hindlimb ischemia); confocal microscopy; biochemistry and molecular biology techniques; in vivo imaging techniques (echocardiography - Vevo2100, fluorescence and bioluminescence - IVIS Spectrum);*

### **Scholarship awarded by competition:**

**2011-2012** (8 months) – „YounG Guest and Doctoral Researchers’ Annual Scholarships for Investigation and Learning in Norway” in the Department of Physiology, Faculty of Medicine, University of Oslo, Norway.

### **Research grants:**

- *Collaborator in national projects: 5;*

- *Collaborator in international projects: 2;*

*Scientific papers (published or in press): 7 as first author and 3 as collaborator;*

**Patent application:** Burlacu A, Mitroi DN, **Preda MB**, Plesu M, Rosca A-M, Grigorescu G, Popa M, Corotchi C, Droc I, Gussi IL. Ex vivo procedure for engraftment of stem cells into viable sections of human cardiac tissue; patent application, State Office for Inventions and Trademarks, A/00845, 2013.

**Invited peer reviewer for** Stem Cells, Cellular Physiology and Biochemistry, Stem Cell Research & Therapy, PlosOne;