

**Dr. Andrei NEAMTU, Senior Scientist**

**Associate Professor in Physiology: 2015 – present**, “Gr. T. Popa” University of Medicine and Pharmacy (UMF Iași), Department of Physiology

**1999 – 2015:** Graduate Assistant, University Assistant, Senior Lecturer at UMF Iași

**Education: 1998:** University Diploma – Faculty of Physics, “Al. I. Cuza” University of Iași

**2000:** University Diploma - Faculty of Dental Medicine, UMF Iași

**2003:** Master’s Degree (M.Sc.) in Molecular Genetics, “Al. I. Cuza” University of Iași, Faculty of Biology

**2007:** PhD in Medicine at UMF Iași

**2013:** Postdoctorate – Molecular simulations of biomaterials, “Petru Poni” Institute of Macromolecular Chemistry of Iași

**Educator:** 20 years of teaching in academics (Medicine)

**Project manager:** “Experimental research on chronic inflammatory topical therapy with analgesics released from hydrogel matrices”, Project type: IDEI 2008, cod CNCSIS 2561, 2008-2011

**Research grants member:** 7

**Research papers in ISI Web of Science:** 23

**Research papers in indexed in international database journals:** 30+

**Awards at national/international scientific meetings:** 5

**Expertise fields:** Molecular Modelling and Simulations, Therapeutic Systems, Cellular Physiology

**Scientific achievements:** molecular modelling and simulations of membrane proteins and ion transport through cellular membranes, nucleic acids and glycosaminoglycans, inclusion complexes of cyclodextrins/modified cyclodextrins with different drugs, artificial membrane structures and biomaterials; experimental studies on active principles (analgesics) release from controlled release vehicles and their pharmacodynamics.