

ABSTRACT

This ability thesis represents my scientific, professional and academic activity which I expanded after being awarded the title doctor in medicine. In 2003 I published my doctorate thesis, entitled: *Comparative study between the visual evoked potentials aspects and magnetic resonance images in optic neuritis and multiple sclerosis patients*, with the mention *Cum Laudae*.

I participated in various scientific, professional and didactic activities in the Neurology I Clinic of Targu Mures County Emergency Clinical Hospital. I am the head of this clinic since 2005.

Previous scientific achievements: my activity is seen in numerous publications: a) first author/co author in 9 monographs and courses published by recognized CNCSIS publishers; b) first author in 5 chapters of monographs; c) first author/co author of 210 articles/scientific posters, from which: 19 publications in extenso in ISI journals with IF; 25 articles in extensor in PUBMED and CNCSIS B+ journals; d) active participant in 144 congresses/conferences/international and national scientific courses. The above mentioned papers have an **Total Impact Factor** of 57,894.

My research activity has been expanded in several research projects, thus underlining my capacity to conduct research papers and to be a part of research groups: A) applied for 4 grants and won the financing, in which I am the project manager, total value of 306800 RON; B) member in 4 research grants, total value of 45463300 RON; C) principal investigator in 42 international and national multicentric studies, either finished or still ongoing.

The main fields of my research are: **A)** multiple sclerosis, especially the neuro immunology aspects (a monograph, 2 book chapters, 6 ISI article published in extenso as first author, 5 B+ articles published in extenso as prim author, over 30 oral presentations or poster presentations, both at national and international scientific manifestations, 3 grants conducted as a project manager, 24 international studies as a principal investigator); **B)** other primary or secondary demyelinating diseases of the central nervous system (3 ISI articles published in extenso as first author); **C)** cerebrovascular diseases (1 book chapter, 2 ISI articles published in extenso, 8 B+ articles published in extenso, over 20 oral and poster presentations, both at national and international scientific manifestations, 1 grant conducted as a project manager, 4 international studies as a principal investigator); **D)** interdisciplinary research in neurological pathology associated with other diseases such diabetes mellitus, endocrine diseases, hematological diseases and neoplasms (6 ISI articles published in extenso, 9 B+ articles published in extenso).

Previous professional accomplishments: my professional accomplishments are the result of the university studies between 1988-1994, when I graduated with the highest grade from the University of Medicine and Pharmacy of Targu Mures (UMF), Medicine University, valedictorian. Studies and post university activity: **A)** November 1994 when I took the National Residency Exam (UMF Carol Davila in Bucharest), 41th rank, position which allowed me to become a resident doctor in neurology; **B)** I had 4 training stages in France; **C)** in 1999 I took my specialist exam and became a specialist doctor , which took place in UMF Iuliu Hateganu in Cluj Napoca, with a final grade of 10; **D)** in 2003 I took the national exam in order to become a primary neurologist, which took place in IBCV Bucharest, final grade 9.62; **E)** in 2007 I got my masters degree in Health Security Management and Workplace Relations from the University of Lucian Blaga, Sibiu; **F)** I took over 10 national perfecting courses and 10 international perfecting courses; **G)** from 2006 until the present I am the head of the Neurology I clinic; **H)** I am the regional coordinator in 3 national health programs; **I)** ever since 2005, I have been in charge of the regional Multiple Sclerosis diagnostic and treatment center, which treats over 467 patients and has a database of over 800 cases; **J)** I am a member of several national committees (Family and Health Departments Neurology Committee 2008-2011, 2013-2014; National Committee for MS treatment of the National Health Department, 2005-present and several county committees (County Medical College of Mures, Neurology committee, president ever since 2006; neurological territorial committee for overseas treatment, president since 2006).

Previous academic accomplishments: my academic activity rose with obtaining by competing the title of university professor (January-February 2015 session, 1185 points). My academic path in the UMF Targu Mures had the following stepping stones: **A)** 1995-1998 Associate Instructor **B)** 1998-2004 Instructor; **C)** 2003 I became doctor in medicine; **D)** 2004-2007 Assistant Professor; **E)** 2007-2015 Associate professor; **F)** 2015-present Professor of the Neurology Department, M4; **H)** 2005-present Head of the department of Neurology. I had numerous duties in the Targu Mures UMF: **A)** Chairman of the Evaluation of Quality Education in the UMF Senate (2012-2015); **B)** Member of the UMF Senate (2012 – present); **C)** Member in the curricular reform committee in UMF Targu Mures (2013-present); **D)** member in the work committee of UMF Targu Mures for obtaining the authorization to function for medicine department – English language (2013-2015); **E)** member in the “Ethics Committee” from the UMF Senate of Targu Mures (2015-present); **F)** member of the Evaluation and Education Quality Assurance of the UMF Senate (2015-present). I am also a member of the scientific committees of several international scientific societies (EFNS Subcommittee multiple sclerosis and demyelinating disease of central nervous system in 2008-2014; EAN Subspeciality Scientific Panel on MS 2014-present). Concerning my contribution to the national scientific societies, I am a member of the SNR Director Committee (Neurological Society of Romania) 2012-present and I am a founding member of Neurodiab, established in Cluj Napoca in 2012. I was an expert in national organisms such as CNC SIS between 2012-2014. I am a member in 7 international scientific societies (AAN, EAN,ECTRIMS etc) and active member in 3 national societies. Since 2013 I am a member in the publishing groups or *invited peer review* in 4 ISI journals and 4 BDI+ journals.

As development and personal evolution is concerned, I put up for: **A)** *Implementing a Multiple Sclerosis integrated center: from biomarkers to neurorehabilitation*, which engulfs a regional MS network, a plasma, serum and CSF bank for further studies in the field of inflammation and neurodegeneration, MS genetics, discovering new antibodies, other compounds etc; **B)** finalizing the stroke unit together with adding a telestroke network; **C)** improving patients quality of life; **D)** increases the visibility of the of the neurological department and university by studies that will lead to quality publications.