

## Curriculum vitae - **Beatrice Mihaela RADU**

Date and place of birth: 27/08/1979, Bucharest, Romania

Maiden name: Macri

Status: Married, 1 child

Citizenship: Romanian

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### EDUCATION

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- 2014-present **University of Verona** / Department Neurological and Movement Sciences      Verona, Italy  
Duration: 3 years  
✚ PhD Program in Neuroscience, Psychological and Psychiatric Sciences; 29<sup>th</sup> cycle  
Supervisor: Professor Paolo Francesco Fabene
- 2002-2005      **University of Bucharest** / Faculty of Biology      Bucharest, Romania  
Duration: 3 years  
✚ PhD in Biology; Honor: **Cum laudae**  
Supervisor: Professor Maria Luisa Flonta
- 2004      **University Pierre and Marie Curie, Paris VI** / Faculty of Medicine      Paris, France  
INSERM U288, NeuroPsychoPharmacology Unit  
Duration: 9 months  
✚ Doctoral fellow in Neuroscience / Socrates-Erasmus Program  
Supervisor: Dr. Thierry Jacquin; Professor Michel Hamon
- 2001-2003      **University of Bucharest** / Faculty of Biology      Bucharest, Romania  
Duration: 1.5 years  
✚ MSc in Neurobiology; Overall grade: **10 / 10**  
Supervisor: Professor Maria Luisa Flonta
- 1997-2001      **University of Bucharest** / Faculty of Physics      Bucharest, Romania  
Duration: 4 years  
✚ BSc in Physics/Biophysics; Overall grade: **9.46 / 10**  
Supervisors: Professor Aurel Popescu, Professor Alexandru Babes

### ADVANCED TRAININGS

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- 2013      ISN/FENS School on Local protein synthesis in axons      Crete, Greece  
and dendrites/ Lectures
- 2012      European **Pain School**: Evolution of conception on pain / Lectures      Siena, Italy
- 2011      EMBO/FEBS Lecture Course on **Channels and Transporters**      Erice, Italy

School of Biophysics / Lectures

- 2011 Seeing is Believing – **Imaging** the Processes of Life Heidelberg, Germany  
Symposium Pre-Workshops: The Fluorescent Protein  
Colour Palette (Zeiss); Superresolution, Supersensitivity:  
How to Push the Limits in Optical Microscopy (Leica) /  
EMBL Advanced Microscopy Center  
Technical Workshop / Practical Experiments
- 2011 2<sup>nd</sup> EASD Postgraduate Course on the **Current Concepts in** Belgrade, Serbia  
**the Treatment of Diabetes and its Complications /**  
Lectures and Clinical-oriented Workshops
- 2010 17<sup>th</sup> Young Scientists Training Course of the European Heidelberg, Germany  
Association for the Study of **Diabetes**, Department of  
Medicine I and Clinical Chemistry, University Hospital  
Heidelberg  
Lectures and Practical Experiments
- 2010 WO1, **Imaging** dynamic changes at the synapse Amsterdam, Netherlands  
7<sup>th</sup> FENS Forum of European Neuroscience, Technical Workshop
- 2009 **Confocal Light Microscopy**: Fundamentals and Biological Amsterdam, Netherlands  
Applications, Center of Advanced Microscopy / Lectures  
and Practical Experiments
- 2008 Course of **fundamental immunology** Bucharest, Romania  
National Society of Immunology / Lectures
- 2006 **Immunophysiology** of infections Bucharest, Romania  
National Institute of Microbiology and Immunology  
'Cantacuzino', Jacques Monod Center / Lectures and  
Practical Experiments
- 2005 International Autumn school - **Modern biophysical techniques** Poiana Brasov, Romania  
for Human health from physics to medicine / Lectures
- 2004 3<sup>eme</sup> Universite europeenne d'ete, Approaches pluridisciplinaires Toulouse, France  
de la **therapie genique**: du transfert de gene a la Clinique / Lectures
- 2003 International Autumn School **Non-invasive Biophysical Methods** Timisu de Sus, Romania  
in Medicine and Biology / Lectures
- 2003 Advanced course in **Molecular Biology** Bucharest, Romania  
Romanian Society of Biochemistry & Molecular Biology /  
Lectures and Practical Experiments
- 2002 Course of **Bioinformatics** Bucharest, Romania  
Center of Research, Formation & Consultancy in Microbiology & Genetics  
Practical Experiments
- 2002 Course of postuniversity formation CEFOR in Bucharest, Romania  
Life sciences, **Biochemistry and Molecular Biology** / Lectures

## POSITIONS AND EMPLOYMENTS

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- 2012 – 2013      **University of Verona**      Verona, Italy  
✚ Research associate at the Department of Neurological and Movement Sciences, Section of Anatomy and Histology
- 2008 – 2011      **University of Bucharest** / Faculty of Biology      Bucharest, Romania  
✚ Lecturer at the Department of Anatomy, Animal Physiology and Biophysics
- 2003-2008      **University of Bucharest** / Faculty of Biology      Bucharest, Romania  
✚ Teaching Assistant at the Department of Anatomy, Animal Physiology and Biophysics

## RESEARCH SKILLS AND INTERESTS

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### Major research skills:

- ✚ Patch-clamp on dissociated neurons or fresh slice preparation
- ✚ Preparation of primary neuronal cultures and fresh neuronal slices
- ✚ Mammalian cell cultures maintenance
- ✚ Calcium imaging on living cells
- ✚ Fluorescence microscopy on living and fixed cells
- ✚ Rodent (mice, rat) manipulation, genotyping
- ✚ Immunofluorescence

**General research interests:** Epilepsy, Blood Brain Barrier, Pain, Cellular and Molecular Physiology of the Nervous system, Neuronal Excitability, Signal transduction pathways, Ion-Channel Electrophysiology, Neuronal Molecular Biology, Biomedical Applications of Quantum dots

## FELLOWSHIPS AND PRIZES

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- 2013, ISN travel grant for attending the School on Local protein synthesis in axons and dendrites, Kolymbari, Crete, Greece
- 2012, IBRO fellowship / Young investigator program in the Laboratory of Neuronal Circuits, Institute Cajal, Madrid, Spain (Supervisor: Dr. Liset Menendez de la Prida)
- 2011, IBRO fellowship / Young investigator program in the Department of Neurological, Neuropsychological, Morphological and Movement Sciences, Section of Anatomy and Histology, University of Verona, Verona, Italy (Supervisor: Associate Professor Paolo Francesco Fabene)
- 2010, ASCB travel grant for attending the 50<sup>th</sup> Annual Meeting of the American Society of Cell Biology, Philadelphia, Pennsylvania, USA
- 2010, Eli Lilly travel grant for attending 17<sup>th</sup> Young Scientists Training Course, Heidelberg, Germany
- 2010, FEBS travel grant for attending 35<sup>th</sup> FEBS Congress Molecules of Life, Gothenburg, Sweden
- 2010, FENS/IBRO CEERC travel grant for attending 7<sup>th</sup> FENS Forum of European Neuroscience, Amsterdam, Netherlands

2006, FEBS travel grant for attending 6<sup>th</sup> Young Scientist Forum, Doga Club, Turkey and 31<sup>st</sup> FEBS Congress, Istanbul, Turkey.

2005, Societe Francaise de Biophysique (SFB) travel grant for attending 5<sup>th</sup> European Biophysics Congress and 5<sup>th</sup> IUPAB joint Congress, Montpellier, France.

2005, Travel grant from Romanian Cultural Institutes for attending International Autumn school - Modern biophysical techniques for human health from physics to medicine, Poiana Brasov, Romania

2004, Socrates-Erasmus doctoral fellowship, University Pierre and Marie Curie / Paris VI, Faculty of Medicine, INSERM U288 NeuroPsychoPharmacology, Paris, France.

2004, FEBS travel grant for attending FEBS Special Meeting, 45<sup>th</sup> ICBL, Ioannina, Greece.

2003, Travel grant from Romanian Cultural Institutes for attending the International Autumn School Non-invasive Biophysical Methods in Medicine and Biology, Timișu de Sus-Predeal Romania; Best poster prize.

## PROFESSIONAL MEMBERSHIPS

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2013-present: Member of the International Society of Neurochemistry (ISN)

2012-present: Member of International Association for the Study of Pain (IASP)

2010-present: Member of American Society of Cell Biology (ASCB)

2010-present: Member of European Association for the Study of Diabetes (EASD)

2005-present: Member of Romanian Society of Pure and Applied Biophysics (affiliated to EBSA and IUPAB); Secretary of Bucharest's branch

2002-present: Member of Romanian Society of Biochemistry and Molecular Biology (affiliated FEBS)

2003-present: Member of National Neuroscience Society (affiliated FENS and IBRO)

2013-present: Member in the Editorial Board for Frontiers of Biological and Life Sciences

2013-present: Member in the Editorial Board for Journal of Clinical and Experimental Neuroscience

2013-present: Member in the Advisory Board for Neuroscience Research Letters

2013-present: Reviewer for Journal of Cellular and Molecular Medicine

2012-present: Reviewer for Cellular and Molecular Neurobiology

2012-present: Reviewer for Journal of Ethnopharmacology

2010-present: Reviewer for Journal of Fluorescence

## COMPUTER SKILLS

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Windows (all platforms), Office, ImageJ, OriginLab, Data Analysis

## LANGUAGE SKILLS

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- English (B2)

- French (C1)

2000 - Diplome D'etude approfondis en Langue Francaise (DALF), Institute Francaise de Bucarest

- Italian (B2)

- Romanian (C2)