

Curriculum Vitae

Name: Bálint László Bálint

Personal details:

Office address:

Department of Biochemistry and Molecular Biology

Medical and Health Science Center

University of Debrecen, Hungary

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Debrecen, Hungary H-4012

E-mail: lbalint@med.unideb.hu

Date of Birth: August 13, 1971

Place of Birth: Tirgu Mures/Marosvasarhely, Romania

Sex: Male

Marital status: Married, Ágnes Siklódi December 31, 1996,

Children: Janka Bálint, born: in 1998

Gergely Bálint, born: 1999

Élias Bálint, born: 2002

Citizenship: Hungarian and Romanian

Degrees:

PhD in Molecular Biology University of Debrecen, Debrecen, Hungary, 2006

Medical Doctor (M.D.) Semmelweis University of Medicine, Budapest, Hungary, 1996

General Practitioner license since 2000 march (Romania)

Languages:

Hungarian: native

Romanian: advanced

English: upper intermediate level (Kingston University, UK, International Language Course, summer 1993), Hungarian State Exam intermediate level, "C" type, 2005

German: intermediate level

Professional Appointments:

Present appointments:

1. Member of the Nuclear Hormone Receptor Group, <http://nlab.med.unideb.hu/>

University of Debrecen, Medical and Health Science Center

2. Junior lecturer

Department of Biochemistry and Molecular Biology, University of Debrecen, Medical and Health Science Center. November 1, 2005 to present.

3. Scientific Consultant for:

a. Roche Hungary Applied Sciences

b. Diagenode, Liege, Belgium

4. Ad Hoc reviewer for:

FEBS Letters, International Immunology

Past appointments:

*Cluj Clinical Hospital, Cluj, Romania March 2000 - April 2001

General practice residency

- *Diakonia Medical Clinic, Cluj, Romania November 1996 - February 2000
Staff doctor and board member 2001
- *Koinónia Publishing House, Cluj, Romania September 1997 - October 1999
Medicine column editor and editorial board member
- *Bonus Pastor Foundation, Cluj, Romania February 1997 - April 2001
Medical supervisor of a project for treatment of alcoholism.
- *Buda Center for Rehabilitation for Pulmonary Paralysis
Budapest, Hungary September 1993 - June 1996
Medical assistant in the rehabilitation of severe disabled patients

Research experience:

1. General research experience:

- *Studies on nuclear receptors, promoter analysis by chromatin immunoprecipitation and real time QPCR
- *Microarray analysis for gene expression and genomic location studies.
- *Tiling array systems: Affymetrix, Nimblegen

2. Bioinformatic experience:

GeneSpring, MAT (Model Based Analysis of Tiling Arrays), IGB (Integrated Genome Browser), UCSC Genome Browser

3. Lab experience:

Basic molecular biology techniques, Luciferase reporter studies, Chromatin immunoprecipitation studies, Embryonic stem cell differentiation studies, IPS (induced pluripotent stem cell) experience

Education (graduate and postgraduate):

- *University of Debrecen, Debrecen, Hungary, PhD, 2006
- *Semmelweis University of Medicine, Budapest, Hungary, General Medicine, September 1990 - July 1996
- *ELTE School of Aesthetics, Budapest, Hungary, Coursework in propedeutics 1993
- *Papiu Ilarian School of Mathematics and Physics, Tirgu Mures/Marosvasarhely, September 1985 - June 1989 Secondary School Diploma, Upper level in Mathematics and Physics

Short research visit:

1. IGBMC Strasbourg. Tutor: Laszlo Tora. Topic: Optimization of chromatin immune precipitation method.
2. ABC, Godollo, Hungary. Tutor: Andras Dinnyes. Topic: Basic techniques in culturing and differentiation of embryonic stem cells.

Memberships in professional societies:

Hungarian Biochemical Society, Member since 2001.
Hungarian Chamber of Physicians, Member since 2004.
Romanian Lipid and Arteriosclerosis Society since 2001
Romanian Chamber of Physicians, Member since 1999.

Scholarships:

- *Travel Grant to the EMBO Conference on Nuclear Receptors, Villefranche sur Mer 2003 June
- *Young Investigator of the Research Training Network funded by European Union Framework Program 5 "EU-NUC-REC-NET"
- *Pro Renovada Culturae Hungariae "Kemény Zsimond Ösztöndíj", 1990 - 1996
- *Tempus Scholarship, Kingston University, UK, 1993

Dissertations:

1. PhD Thesis: Epigenetic Regulation of Hormonal Response, <http://hdl.handle.net/2437/446>

2. MD dissertation: Cardiological secondary effects of radiotherapy. Thesis for the degree of M.D. (in Hungarian). Tutor: Gyenes Gabor M.D. Ph.D. Semmelweis Medical University (1996)

Publications:

- 1: Itoh T, Fairall L, Amin K, Inaba Y, Szanto A, Balint BL, Nagy L, Yamamoto K, Schwabe JW.
Structural basis for the activation of PPARgamma by oxidized fatty acids.
Nat Struct Mol Biol. 2008 Aug 17.
- 2: Székvölgyi L, Rákósy Z, Bálint BL, Kókai E, Imre L, Vereb G, Bacsó Z, Goda K, Varga S, Balázs M, Dombrádi V, Nagy L, Szabó G.
Ribonucleoprotein-masked nicks at 50-kbp intervals in the eukaryotic genomic DNA.
Proc Natl Acad Sci U S A. 2007 Sep 18;104(38):14964-9. Epub 2007 Sep 11.
- 3: Székvölgyi L, Bálint BL, Imre L, Goda K, Szabó M, Nagy L, Szabó G.
Chip-on-beads: flow-cytometric evaluation of chromatin immunoprecipitation.
Cytometry A. 2006 Oct 1;69(10):1086-91.
- 4: Szatmari I, Vámosi G, Brazda P, Balint BL, Benko S, Széles L, Jeney V, Ozvegy-Laczka C, Szántó A, Barta E, Balla J, Sarkadi B, Nagy L.
Peroxisome proliferator-activated receptor gamma-regulated ABCG2 expression confers cytoprotection to human dendritic cells.
J Biol Chem. 2006 Aug 18;281(33):23812-23. Epub 2006 Jun 19.
- 5: Balint BL, Nagy L.
Selective modulators of PPAR activity as new therapeutic tools in metabolic diseases.
Endocr Metab Immune Disord Drug Targets. 2006 Mar;6(1):33-43. Review.
- 6: Balint BL, Gabor P, Nagy L.
Genome-wide localization of histone 4 arginine 3 methylation in a differentiation primed myeloid leukemia cell line.
Immunobiology. 2005;210(2-4):141-52.
- 7: Balint BL, Szanto A, Madi A, Bauer UM, Gabor P, Benko S, Puskás LG, Davies PJ, Nagy L.
Arginine methylation provides epigenetic transcription memory for retinoid-induced differentiation in myeloid cells.
Mol Cell Biol. 2005 Jul;25(13):5648-63.
- 8: Szanto A, Benko S, Szatmari I, Balint BL, Furtos I, Rühl R, Molnar S, Csiba L, Garuti R, Calandra S, Larsson H, Diczfalusy U, Nagy L.
Transcriptional regulation of human CYP27 integrates retinoid, peroxisome proliferator-activated receptor, and liver X receptor signaling in macrophages.
Mol Cell Biol. 2004 Sep;24(18):8154-66.

Posters on International and National Conferences

- *Chromatin Regulatory Mechanisms, JFRC (Janelia Farm Research Campus), HHMI (Howard Hughes Medical Institute), US 2008 October
- *The Locus of Gene Regulation, JFRC, HHMI, US 2008 May
- *Cold Spring Harbor Symposium on Stem Cells, Cold Spring Harbor, US 2008 May
- *EMBO Symposium on Nuclear Receptors, Lake Garda, Italy, 2007
- *9th Lilly Foundation - CNIO Symposium on Cancer Epigenetics: from Molecular Knowledge to Therapy, 2006 March
- *EMBO Symposium on Nuclear Receptors, Lake Garda, Italy, 2005 September
- *30th FEBS Congress, Budapest, Hungary, 2005 July
- *EMBO-HHMI Joint Meeting Budapest 2004 December

- *6-th Transcription Meeting, Heidelberg, EMBL 2004 September
- *EMBO Practical Course Naples: Deciphering Chromosomes by Chromatin Immunoprecipitation 2003 September
- *EMBO Conference on Nuclear Receptors, Villefranche sur Mer 2003 June
- *5-th Transcription Meeting, Heidelberg, EMBL 2002 August
- *EMBO YIP PhD Course/EMBL Heidelberg, 2002 August
- *IMP Spring Conference, Vienna, "Epigenetic Programming of the Genome" 2002 May
- *EMBO Practical Course: Gene Vectors Euro Lab Course, Evry, France 2002 April

Presence on international courses and conferences without a poster presentation:

- *Keystone Symposia PPAR/LXR Meeting, Vancouver, Canada, 2005 April
- *Atherosclerosis and Lipid Peroxidation, Hortobagy Club Hotel, 2005 April
- *EMBO YIP Symposium: Chemistry Meets Biology 2004 June
- *PPARs From Basic Science to Clinical Applications" Florence 2003 March
- *European Diabetes Society, Practical Course in DM type 2, Cluj, Romania 2001 December

Lectures on International and National Conferences

- *Meeting of the Hungarian Society for Physiology and Pharmacology, 2008 may
- * Meeting of the Hungarian Biochemical Society/ Tihany, Hungary 2003 may
- * Meeting of the Hungarian Biochemical Society/ Sopron, Hungary 2004 may
- * Nanotechnology and Molecular Medicine/Debrecen, Hungary 2005 october

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