

CURRICULUM VITAE

A/ Personal data and contact information

Name: Tamás RÓSZER, PhD

Date and place of birth: 24th March 1979. Vác (Hungary)

E-mail: roszer@dote.hu

B/ Current position

Research Fellow of the Hungarian Academy of Sciences (2007-)

Apoptosis & Genomics Research Group, Hungarian Academy of Sciences, Budapest, Hungary

Manager of SPF Laboratory Animal Core Facility (2005-)

Department of Biochemistry and Molecular Biology, Research Center for Molecular Medicine
Medical and Health Science Center, University of Debrecen, Hungary; Life Science Building,
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52-314 989; e-mail: roszer@dote.hu

C/ Previous positions

Junior Research Fellow (2006)

Department of Biochemistry and Molecular Biology, Research Center for Molecular Medicine;
Medical and Health Science Center, University of Debrecen, Hungary

Assistant Lecturer (2002-2006)

Department of Animal Anatomy & Physiology, Faculty of Science, Debrecen University,
Hungary

Head of Laboratory Animal Facility (2002-2005)

Department of Animal Anatomy & Physiology, Faculty of Science, Debrecen University,
Hungary

D/ Academic qualifications

a) Thesis for the degree of Ph.D. in Biology (Date of award of PhD: June 2005)

Title: Regulation of nitric oxide biosynthesis and the neurochemical modulation of nitric oxide action in invertebrate model organisms

Department of Animal Anatomy & Physiology, Faculty of Science, Debrecen University,
Hungary; **Supervisor:** Gáspár BÁNFALVI PhD, DSc *Professor of Physiology, Head of
Department*; Department of Animal Anatomy & Physiology, Faculty of Science, Debrecen
University, Hungary; Mailing address: H-4010 Debrecen, Egyetem tér 1., Pf. 15.; E-mail:
bgapsar@undieb.hu

b) Thesis for the degree of MSc in Biology [specialized in Medical Biology] (2002)

Organization of neuropeptidergic and nitrenergic neuronal networks in the snail nervous system

Department of Animal Anatomy & Physiology, Faculty of Science, Debrecen University,
Hungary

E/ Other academic qualifications

a) Postgradual specialization in Management (2006)

Institute of Economy, Kecskemét College, Hungary

b) Postgradual specialization in Laboratory Animal Science [C Level] (2004)

Faculty of Veterinary Sciences, Szent István University, Budapest, Hungary

c) Language skills

English (Superior level State Exam 2007; Intermediate level State Exam 1997)

Latin (Basic level university exam 2001)

German (understand)

Japanese (understand)

F/ PUBLICATIONS

Scientometric data

imapat factor: 23.02 ; citation impact factor: 26.40, number of first authored articles: 6,
number of lecture books: 3, number of on-line materials: 1

Lecture books

1. **Rószner T**: Cell Pathology Lectures, Kossuth University Press, Debrecen [in Hungarian]
2006.

2. **Rószner T**: Dinamic Histology [with CD-ROM], Kossuth University Press, Debrecen [in
Hungarian], 2004. (1st ed.), 2005. (2nd ed.)

3. **Rószner T & Serfőző Z**: Practicum Zooanatomicum, Kossuth University Press, Debrecen [in
Hungarian and Latin] 2003. (1st ed.), 2004. (2nded.), 2005. (3rd ed.)

On-line education material

Rószter T: Dinamic Histology; <http://acet.detek.unideb.hu/apache2-default/biologia/szovettan.pdf> [all images are original work]

Publications

1. Brugós L, Gesztelyi R, Zsuga J, Cseppentő Á, Benkő I, Galajda Z, Deák Gy, Sipka S, **Rószter T**, Kovács P, Szilasi M, Édes I, Szentmiklósi AJ: Modulation of adenosine-induced response in the guinea pig trachea during long-term caffeine treatment: possible role of epithelium (2007). *J of Pharmacological Sciences* 105(3):279-90
2. Szántó A, **Rószter T** (2007) Nuclear receptors in macrophages: a link between inflammation and metabolism. *FEBS Letters* 582(1):106-16
3. **Rószter T**, Kiss-Tóth É, Szentmiklósi AJ, Bánfalvi G (2006): The neuropeptide FMRFamide may serve as a substrate source for NO synthase. *Cell Tissue Res* 325(3):567-75
4. **Rószter T**, Kappelmayer J, Szentmiklósi AJ, Nagy G, Bánfalvi G (2006) The neuropeptide FMRFamide protect cells against apoptosis in the snail digestive gland. *Apoptosis* 11(2):173-82
5. Bánfalvi G, Nagy G, Gácsi M, **Rószter T**, Basnakian AG (2006) Common pathway of chromosome condensation in Mammalian cells. *DNA Cell Biol.* 25(5):295-301
6. **Rószter T**, Kiss-Tóth É, Szentmiklósi AJ, Bánfalvi G (2005) Seasonal periodicism of the enteric NO synthesis and its regulation in the snail *Helix lucorum* Linnaeus. *Invert Biol* 124

This article was cited by:

1. Pimenova E, Varaksin AA: Putative nitroxidergic cells in the digestive system of some mytilids (mollusca: bivalvia: mytilidae) revealed by NADPH-diaphorase histochemistry *Malacologia* 49: 61-77 (2006)
2. Jiang G, Yu R, Zhou M: Studies on nitric oxide synthase activity in haemocytes of shrimps *Fenneropenaeus chinensis* and *Marsupenaeus japonicus* after white spot syndrome virus infection *Nitric Oxide - Biology and Chemistry* 14 (3): 219-227 (2006)

7. **Rószert T**, Czimmerer Zs, Szentmiklósi AJ, Bánfalvi G (2004) Nitric oxide synthesis is blocked during dormant periods of the snail *Helix lucorum* L. *Cell Tissue Res* 316: 255-262

This article was cited by:

1. Tagliazucchi D, Conte A (2005) Calcium/calmodulin dependence of NO synthase from *Viviparus ater* immunocytes. *ISJ* 2: 54-59
2. Furness JB (2006): *The Enteric Nervous System*, p. 252, Blackwell

8. **Rószert T**, Jenei Zs, Serfőző Z, Czimmerer Zs, Bánfalvi G (2004) Structural diversity of NADPH diaphorase reactive enteral networks in Stylommatophora. *Invert Biol* 123

9. **Rószert T**, Jenei Zs, Gáll T, Nagy O, Czimmerer Zs, Serfőző Z, Elekes K, Bánfalvi G (2004) A possible stimulatory effect on neuronal nitric oxide production in the central nervous system of *Helix lucorum* L. *Brain Behav Evol* 63:23-33

This article was cited by:

1. Moulis A: The action of RFamide neuropeptides on molluscs, with special reference to the gastropods *Buccinum undatum* and *Busycon canaliculatum* *PEPTIDES* 27 (5): 1153-1165 MAY 2006
2. Kononenko NL, Zhukov VV: Neuroanatomical and immunocytochemical studies of the head retractor muscle innervation in the pond snail, *Lymnaea stagnalis* L. *Zoology* 108:217-237 (2005)

10. Serfőző Z, Veréb Z, **Rószert T**, Kemenes G, Elekes K (2002) Development of the nitric oxide/cGMP system in the embryonic and juvenile pond snail, *Lymnaea stagnalis* L. A comparative in situ hybridization, histochemical and immunohistochemical study. *J Neurocytol.* 31(2):131-47.

This article was cited by:

1. Straub VA, Grant J, O'Shea M, et al. Modulation of serotonergic neurotransmission by nitric oxide *JOURNAL OF NEUROPHYSIOLOGY* 97 (2): 1088-1099 FEB 2007
2. Hatakeyama D, Sadamoto H, Watanabe T, et al. Requirement of new protein synthesis of a transcription factor for memory consolidation: Paradoxical changes in mRNA and protein levels of C/EBP *JOURNAL OF MOLECULAR BIOLOGY* 356 (3): 569-577

3. Kim et al. Measuring nitric oxide in single neurons by capillary electrophoresis with laser-induced fluorescence: Use of ascorbate oxidase in diaminofluorescein measurements. *Analytical Chemistry* 78: 1859-1865 (2006)

4. Trimm KR, Rehder V: Nitric oxide acts as a slow-down and search signal in developing neurites. *European Journal of Neuroscience* 19: 809-818 (2004)

G/ Participation in seminars, congresses, workshops

Most recent events:

Name of event: 42nd ESCI Meeting

Place and year: Geneva, Switzerland, 26-28 March 2008

Organizing group: European Society for Clinical Investigation

Nature of participation: poster presentation

Name of event: FELASA-ICLAS Joint Meeting

Place and year: Como, Italy, June 2007

Organizing group: FELASA

Nature of participation: participant in workshops [health monitoring, welfare of rodent colonies, in vivo imaging]

Name of event: Phenotype characterization of genetically modified mouse models [Cardiovascular system]

Place and year: Turku-Abo, Finland, 23-24 March 2006

Organizing group: CASCADE Network of Excellence

Nature of participation: participant in workshops [telemetry, cardiovascular phenotypes of rodent disease models]

Most relevant oral presentations held at conferences:

2004. 7th Conference of Pro Scientia Medalists, 26-28 Nov 2004. [in Hungarian]

2003. 10th Symposium in Invertebrate Neurobiology, ISIN 5-9 July 2003 [in English]

2001. Conference of Hungarian Anatomist's Society [in Hungarian]

Total number of poster presentations: 11

H/ Other merits

a) Awards

Pro Scientia Gold Medal for Outstanding Scientific Achievements presented by the President of the Hungarian Academy of Sciences (2001)

Fáy András Research Award (2001)

Dean's Award, Faculty of Science, Debrecen University (2002)

b) Membership in scientific organizations

FELASA

Hungarian Laboratory Animal Science Society

Hungarian Neuroscience Society

American Microscopical Society

Society of Pro Scientia Medalists

c) Consultation of MSc theses

Name of candidate: Mrs. P. Kovács

Title of MSc thesis: Experimental use of radioligands in the comparative medicine

Date of award of MSc: 2007

Name of candidate: Mr. Attila Takács

Title of MSc thesis: The biosynthesis and metabolism of ascorbic acid in mammalian tissues

Date of award of MSc: 2007

Name of candidate: Ms. Éva Gulyás

Title of MSc thesis: Role of acetylcholine in the modulation of neuronal NO production

Date of award of MSc: 2006

Name of candidate: Ms. Éva Kiss-Tóth

Title of MSc thesis: Involvement of the neuropeptide FMRFamide in the NO biosynthesis

Date of award of MSc: 2006