

Curriculum Vitae

Personal information

Name **Priv. Doz., Dr. habil. Tamás Röszer**
 Born March 24, 1979, Vác, Hungary
 Current position **Sr. Clinical Research Scientist**
 Institute of Pediatrics
 Clinical Center, University of Debrecen
 Debrecen, Hungary
 2022 – present
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 Google knowledge panel: [Tamás Röszer](#)



Academic degrees

2020 **Baden-Württemberg-Zertifikat für Hochschuldidaktik**
 Faculty-level license for advisory activity in university teaching
 Ministry of Science, Research and Arts, Baden-Württemberg, Germany
 2012 **Habilitation in Biology – Biochemistry/Molecular Biology**
 Eötvös Loránd University, Budapest, Hungary
 2005 **Ph.D. in Biology (Neurobiology)**, summa cum laude
 Cell-, and Molecular Biology Program, Faculty of Science, Debrecen University, Hungary
 2008 **Medical Consultant in Toxicomorphology and Drug Testing**
 Ministry of Health, Budapest, Hungary
 2006 **M.Sc. in Management**
 Institute of Economy, Kecskemét College, Hungary
 2002 **M.Sc. in Molecular Biology (Medical Biology)**, summa cum laude
 Faculty of Science, Debrecen University, Hungary

Professional experience

2022 – **Research Group Leader and Senior Clinical Research Scientist**
 Institute of Pediatrics, Clinical Center, University of Debrecen, Hungary
 2014 – 2022 **Research Group Leader and Lecturer (Privatdozent)**
 Research Group of Immunity and Metabolism, Ulm University, Germany
 2014 – 2015 **W2 Interim Professor (W2 Vertretungsprofessur) in Molecular Endocrinology and Biochemistry**
 Institute of General Zoology and Endocrinology, and Institute of Protein Biochemistry, Ulm University, Germany
 2009 – 2014 **Postdoctoral Researcher II**
 Macrophage Nuclear Receptor Signaling Laboratory, Department of Cardiovascular Development and Repair, Spanish National Cardiovascular Research Center (CNIC), Madrid, Spain
 2006 – 2009 **Research Fellow and Head of SPF Laboratory Animal Core Facility**
 Research Group of Apoptosis and Genomics, Hungarian Academy of Sciences; and Department of Biochemistry and Molecular Biology, Faculty of Medicine, Debrecen University, Debrecen, Hungary
 2002 – 2006 **Assistant Professor in Cell-, and Molecular Biology, and Head of Laboratory Animal Core Facility**
 Department of Animal Anatomy and Physiology, Faculty of Science, Debrecen University, Hungary

Previous university professorship call

2018 **Second candidate for W2 professorship in Metabolic Biochemistry**
 Ludwig Maximilian University, München, Germany

Research interests

- Cell metabolism and immunometabolism
- Endocrinology, childhood obesity and diabetes
- Endocrine control of interferon response and self-immunity

Societal impact and translational potential

The Journal of Clinical Investigation: <https://www.jci.org/articles/view/128830>

Science: <https://science.sciencemag.org/content/364/6446/1147.1>

Science Translational Medicine: <https://stm.sciencemag.org/content/11/495/eaax9559.full>

CORDIS Europa: <https://cordis.europa.eu/project/rcn/195137/brief/de>

Impact factor

Impact factor	256.54
Number of peer-reviewed articles	50
Monographs (Springer)	2
Book chapters (Springer, Elsevier)	4
Lecture books	4
Citations	>3800 (for last five years >2800)
H-index	24 (for last five years: 21)
i10 index	36 (for last five years: 26)
Web of Science ID	ABD-4915-2020
ORCID ID	https://orcid.org/0000-0003-1903-7922

Relevant publications

2022	Hoang AC, Sasi-Szabó L, Pál T, Szabó T, Diedrich V, Herwig A, Landgraf K, Körner A, Röszer T . Mitochondrial RNA stimulates beige adipocyte development in young mice. <i>Nature Metabolism</i> 4:1684–1696,	IF: 19.865
2022	Röszer T . Mitochondrial RNA stimulates heat production in young adipocytes to reduce obesity. <i>Nature Metabolism</i> 4:1628–1629	IF: 19.865
2022	Amend T, Allies G, Nicolò A, El Ayoubi O, Young M, Röszer T , Setz CS, Warnatz K, Jumaa H. Autoreactive antibodies control metabolism by regulating insulin homeostasis. <i>Proceedings of the National Academy of Sciences of the USA</i> , 119 (6), e2115695119	IF: 12.779
2021	Hoang AC, Yu, H, Röszer, T . Transcriptional landscaping identifies a beige adipocyte depot in the newborn mouse. <i>Cells</i> 2021 , 10, 2368.	IF 7.666
2019	Yu H et al. and Röszer T . Breast milk alkylglycerols sustain beige adipocytes through adipose tissue macrophages. <i>The Journal of Clinical Investigation</i> , 129:2485-2499	IF: 13.251
2017	Waqas SFH et al. and Röszer T . Neuropeptide FF increases M2 activation and self-renewal of adipose tissue macrophages. <i>The Journal of Clinical Investigation</i> , 127(7): 2842-2854, corrigendum 127: 3559	IF: 13.250
2015	Menendez MP and Röszer T et al. Retinoid X receptors orchestrate osteoclast differentiation and postnatal bone remodeling. <i>The Journal of Clinical Investigation</i> 125(2):809-23., D1, citations: 67	IF: 13.215
2013	Röszer T , Menendez-Gutierrez, M.P., Cedenilla, M., Ricote, M. Retinoid X receptors in macrophage biology. <i>Trends in Endocrinology and Metabolism</i> 24:460-46, citations: 121	IF 8.901

Research grants (third party funding) as principal investigator and research awards

Third party funding in the last five years: 1080.3 thousand EUR

Third party funding in the last ten years: 1329 thousand EUR

2023 – 2026 *Bolyai Research Scholarship of the Hungarian Academy of Sciences*

2022 – 2025	<i>Hungarian Research Fund [OTKA NKFI-142939] (34.2 M HUF), Role of interferon regulatory factor 7 in childhood obesity</i>
2021	<i>Impactful Author of 2020, Society of Leukocyte Biology, USA</i>
2018 – 2020	<i>European Foundation for the Study of Diabetes, MSD, New Targets for Type 2 Diabetes (70,000 Euro) Neuropeptide FF activates adipocyte browning and alleviates insulin resistance by TLR3 inhibition</i>
2015 – 2022	<i>DFG (German Research Fund), research grant (820,800 Euro), Verständnis der Rolle der Dottersack-abgeleiteten Vorläuferzellen zur Erzeugung von Fettgewebe-Makrophagen und die Entwicklung von Insulinresistenz</i>
2017 – 2019	<i>DAAD-MOST research staff exchange (30,000 Euro)</i>
2015 – 2017	<i>Horizon 2020, Marie Skłodowska-Curie Individual Fellowship (159,460.80 Euro) Embryonic stem cell origin of the adipose tissue macrophages</i>
2012 – 2013	<i>European Foundation for the Study of Diabetes, Lilly Research Program (50,000 Euro) Macrophage specific targeting of retinoid X receptors: possible role in type 2 diabetes</i>
2009 – 2011	<i>FP7 “People” Marie Curie Program (154,000 Euro) Role of PPAR-gamma in the interstitial fluid volume regulation and contribution to cardiovascular complications of TZDs</i>
2009	<i>DFG Research Scholarship, Fritz Lipmann Institute Jena, Germany (declined due to FP7 “People” Marie Curie Program)</i>
2009 – 2010	<i>Debrecen University Mecenatura Grant (7,700 Euro) Bone homeostasis in diabetes, from macrophage genes to disease</i>
2008 – 2010	<i>Hungarian Research Fund [OTKA] (37,000 Euro) Characterization of bone and lipid homeostasis abnormalities in diabetic animals deficient in macrophage nuclear receptor signalling</i>
2008	<i>Sigma-Aldrich Publication Prize, Hungary</i>
2002	<i>Honor of the Dean for Teaching and Research Activity Debrecen University, Hungary</i>
2001	<i>Pro Scientia Gold Medal, for Outstanding Academic Achievements, National Council of Student Research Societies (OTDT), Hungary</i>
2001	<i>“Fáy András” Fellowship, OTP Bank, Hungary</i>
2000, 2001	<i>Pro Renovanda Cultura Hungariae Fellowship, Hungary</i>
2001	<i>Second Prize in Neurobiology, National Competition of the Student Research Societies (OTDK), Hungary</i>
1999	<i>First Prize in Biology, National Competition of the Student Research Societies (OTDK), Hungary</i>
1997	<i>Bercsényi Memorial Medal, in honor of social activity and outstanding academic achievements, “Bercsényi” English-German Foreign Language-specialized Secondary School, Hungary</i>

Teaching activity at Ulm University, Germany, 2014 –

Teaching award: *Good Practice in der Lehre* Universität Ulm, 2019

Molecular Biology (BSc)	Lectures since 2014
Biochemistry 1 (BSc)	Lectures in 2016/2017
Biochemistry 2 (BSc)	Lectures in 2015/2016, lab practical 2015/2016
Animal Physiology (BSc)	Lectures in 2014/2015, 2016/2017
Endocrinology (BSc and MSc)	Seminars and lab practical 2014-2017
Biology and Cell Biology (MSc)	Course director since 2015
Neurobiology Advanced Practical (MSc)	Lab practical 2019
Advanced Materials Project Work (MSc)	Lab practical 2019
Postgraduate courses in Immunology and Molecular Biology (PhD and MD)	Lectures since 2016, International Graduate School in Molecular Medicine, Medical Faculty, Ulm University

Lectures since 2014, Courses for practicing health care professionals, Institute of Transfusion Medicine, University Hospital Ulm	
Average of Academic Units: 9 in Summer Semesters, 19 in Winter Semesters	
Supervision of PhD, BSc, MSc, Erasmus students and postdocs at Ulm University	
Number of PhD students	3
Number of BSc students	15
Number of MSc students	10
Postdoc	1
Number of hosted Erasmus students	4
Hosted guest scientist	1
Supervision of students and postdocs at Debrecen University and CNIC Madrid	
Number of MSc students	4
Number of hosted Erasmus students	3
Mentoring for habilitation	1
Co-supervision of PhD students	3
Language skills	
Hungarian – native	
English – professional level	
Spanish – professional level	
German – professional level	
Latin – experienced in teaching medical Latin at university level	
Japanese – university exam, currently passive language skill	
Membership in editorial boards and university committees	
PhD Examination Board	<ul style="list-style-type: none"> • Ulm University, Germany • University of Pécs, Hungary • Semmelweis University, Budapest, Hungary
Editorial Board	<ul style="list-style-type: none"> • Nuclear Receptor Research • Biomolecules
Publication Committee	<ul style="list-style-type: none"> • Journal of Leukocyte Biology
Guest Editor	<ul style="list-style-type: none"> • Current Opinion in Pharmacology • Biomolecules
Reviewer of grant applications	<ul style="list-style-type: none"> • European Foundation for the Study of Diabetes, Germany • German Research Fund (DFG), Germany • Agence Nationale de la Recherche (ANR), France
Reviewer at journals in the last two years:	<ul style="list-style-type: none"> • <i>JCI Insight</i>, <i>Plos Biology</i>, <i>Cell Death and Disease</i>, <i>Scientific Reports</i>, <i>Frontiers in Endocrinology</i>, <i>Immunometabolism</i>, <i>The Journal of Clinical Endocrinology & Metabolism</i>, <i>Current Opinion in Pharmacology</i>, <i>Atherosclerosis</i>, <i>Laboratory Investigation</i>, <i>Cells</i>, <i>Clinical and Translational Medicine</i>, <i>Histology and Histopathology</i>, <i>Molecular Immunology</i>, <i>Cell Biology and Toxicology</i>, <i>Cellular Signaling</i>, <i>Cellular Immunology</i>, <i>Journal of Clinical Medicine</i>, <i>Clinical Rheumatology</i> (many more journals since 2005 to date)