

## Dr. Andras Meszaros, PhD



### Curriculum Vitae

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#### Personal Information

Name: Dr. Andras Meszaros, PhD  
E-mail: andras.meszaros@tirol-kliniken.at  
Birth date: 1987  
Nationality: Hungary

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Position: Resident

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#### University Degree(s)

2012                      Graduation Medical Doctor (M.D.), University of Szeged, Faculty of Medicine

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#### Professional Development

2012	2015	PhD student, University of Szeged, Faculty of Medicine, Institute of Surgical Research, Hungary
2015	2016	Assistant research fellow, University of Szeged, Faculty of Medicine, Institute of Surgical Research, Hungary
2016	2018	University Assistant, University of Szeged, Medical Faculty, Institute for Surgical Research, Hungary
2017		PhD Thesis: Methane bioactivity and interactions with other biological gases

2017	2018	Postdoctoral Researcher, Oroboros Instruments, Innsbruck, Austria
2017		Head of Research, Oroboros Instruments, Innsbruck
2018		Physician in basic training at the University Clinic for Visceral, Transplant and Thoracic Surgery, Medical University of Innsbruck

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**Additional Training, additional Professional Title**

2008		Friedrich Schiller University Jena, Germany
2010		Medical University Göttingen, Friedrich Schiller University Jena, Germany
2011		ERASMUS LLP, one semester Medical University of Vienna, Austria
2011	2012	29th International Practical Seminar in Microsurgery of Vessels and Nerves, Timisoara, Romania
2011	2012	ERASMUS LLP, clinical internship year, Medical University Innsbruck, Austria
2013		Faculty of Medicine, RTWH Aachen University, Aachen, Germany
2013		Department of Immunology, Nagoya City University, Nagoya, Japan
2013		IOC79 O2k-Workshop on High-Resolution Respirometry: O2k-Fluorometry, Obergurgl, Austria
2013		IOC80 80th OROBOROS O2k-Workshop on HRR and O2k-Fluorometry., Schröcken, Austria
2014	2016	Campus Hungary Research Grants in Austria: Ludwig Boltzmann Institute for experimental and clinical traumatology
2016		COST Action MitoEAGLE, short-term scientific mission, Oroboros Instruments, Innsbruck, Austria
2016		FELASA (Federation of European Laboratory Animal Science Associations) level C certificate

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**Teaching**

2010	2017	Tutor: Seminars and internships for the subjects "surgical methods" and "basic and advanced surgical skills" for medical students
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2012	2017	Tutor at the 4-week compulsory training for residents in surgery; High-fidelity endoscopic simulators (teaching and demonstration for medical students)
2014		Organizer and tutor: Training courses for laparoscopy, Society of Young Surgeons in Hungary
2016		Tutor at IOC courses on High-Resolution Fluorespirometry
2017		Co-supervision of a PhD student, Marie Skodowska-Curie action TRANSMIT, Oroboros Instruments

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### **Research Emphasis**

Organ transplantation, ischemia-reperfusion injury, sepsis:  
microcirculation, epithelial and endothelial permeability  
Mitochondrial (dys)function  
Reactive oxygen and nitrogen species  
Effect of biologically active gases (NO, CH<sub>4</sub>) in mitochondria and cells

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### **Position & membership in Scientific Societies**

European Shock Society  
European Society for Free Radical Research  
Mitochondrial Physiology Society  
Hungarian Surgical Society  
Hungarian Physiological Society  
Hungarian Hemorheological Society

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### **Publications**

13  
[https://www.ncbi.nlm.nih.gov/pubmed/?term=Meszaros  
+Andras](https://www.ncbi.nlm.nih.gov/pubmed/?term=Meszaros+Andras)

## **Prizes and Awards**

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| 2011 | Hungarian Medical Association of America Hungary Chapter, 4th Balatonfüred Meeting, Balatonfüred, Hungary, 2011. I. prize: The best presentation in Pulmonology, Anesthesiology and Intensive Care   |
| 2012 | Hungarian Physiological Society, Young Scientists Session Award. Debrecen, Hungary, 2012; Hungarian Medical Association of America Hungary Chapter, 5th Balatonfüred Meeting, 1st Prize: Outstanding Achievements in Surgery-Anaesthesiology-Pathology-Otorhinolaryngology |
| 2013 | ET-13 Travel Grant; 13th International Conference On Endothelin, Tokyo, Japan, 2013  |
| 2015 | Best Poster Award, XVI. Congress of the European Shock Society, Cologne, Germany, 2015   |
| 2015 | Young Scientist Award, 39th Seminar of the Austrian Society for Surgical Research, Wagrain, Austria, 2015  |

Innsbruck, 13.02.2026