

## **Priv.-Doz. Mag. Clemens Röhrl, PhD**



### **Personal data**

born: March 16<sup>th</sup> 1982, Linz  
citizenship: Austria  
family status: 1 child (born February 6<sup>th</sup> 2015)  
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### **Research interest and methods**

My research is focused on the physiology and pathophysiology of lipid metabolism. Particularly, I am interested in alterations in cellular cholesterol homeostasis in diseases such as metabolic syndrome or cancer. Besides, I am interested in interdisciplinary scientific questions related to physiological and pathophysiological conditions that are associated with altered lipid metabolism.

### **Education and professional career**

Jan. 2018: Habilitation (venia docendi) in Medical Biochemistry  
since 2013: Junior group leader at the Center for Pathobiochemistry and Genetics, Medical University of Vienna. Special field: Lipid metabolism in metabolic disorders.  
2011 - 2013: PostDoc at the Department of Medical Chemistry, Medical University of Vienna  
Special field: Cholesterol trafficking in health and disease.  
2008 - 2011: PhD student at the Department of Medical Chemistry (supervisors: Herbert Stangl and Margit Pavelka). Defence on March 16<sup>th</sup> 2011. Special field: Application of correlative light-electron microscopy in the cell biology of lipids.  
2006 - 2007: Diploma thesis at the Department of Cancer Research, Medical University of Vienna (supervisor: Prof. Brigitte Marian). Special field: Nuclear receptors in colorectal cancer.  
2001 – 2007: Study of Nutritional Sciences. Focus: food chemistry. Graduation: November 26<sup>th</sup> 2007

## **Publications in international peer-reviewed journals**

- publications: 24
- first-author publications: 7
- corresponding-author publications: 2
- citations: 294
- H-index: 10

## **Funding**

- “Cholesterol trafficking in malignant melanoma” (Austrian Science Fund P25763-B13):  
2013 – 2018, **total funding: € 288.000**
- “The role of ER-stress in hepatic cholesterol uptake and trafficking” (Herzfelder Familienstiftung):  
2015 – 2017, **total funding: € 50.000**

## **Supervised students**

- Karin Eigner, M.Sc. (PhD student; since 2013): Cholesterol metabolism in melanoma
- Yüskel Filik, (master student, 2015): Apolipoproteins in melanoma
- Karin Eigner (master student; 2012/13): ER stress impairs cholesterol metabolism
- Brigitte Stamera (master student; 2009/10): The influence of HDL oxidation on cholesterol efflux
- Stefanie Fruhwürth (master student; 2008/09): SR-BI mediated uptake and degradation of  $\beta$ -VLDL

## **Teaching activities**

- **Medical University of Vienna:**
  - supervisor in the PhD-program “Vascular Biology” at the Medical University of Vienna (2013 – present)
  - curriculum of Human Medicine: lectures, seminars and lab courses (2008 – present)
- **University of Vienna**
  - curriculum of Nutritional Sciences: lab courses in food chemistry (2005 – 2010)
- **Austrian Institute for Nutritional Medicine Vienna (ÖAIE)**
  - lecturer: postgraduate curriculum “Nutritional medicine” for physicians (2015 – present)
- **University of Applied Sciences Upper Austria (FH OÖ)**
  - lecturer: Bachelor and Master studies in Food Technology and Nutrition (2016 – present)

### **Reviewing activities**

- Scientific Reports
- PLoS ONE
- Journal of Diabetes Research and Clinical Metabolism

### **Active participation in scientific societies**

- Austrian Atherosclerosis Society (AAS): Program committee member for 2018's annual meeting
- Austrian Institute for Nutritional Medicine Vienna (ÖAIE): Treasurer

### **Selected awards**

- Best Short Presentation (Austrian Atherosclerosis Society, 2011)
- Young Researcher Award for scientific excellence in the field of Histochemistry (Society for Histochemistry, 2009)
- Scholarship for the European Microscopy Conference (European Microscopy Society, 2008)
- Young Researcher Award for scientific excellence in the field of Histochemistry applied to Cell Biology (Society for Histochemistry, 2008)

### **Advanced training**

- Winterschool on Advanced Microscopy, ETH Zürich (Jan. 2010)
- Laboratory animal training (FELASA und GV-SOLAS certified, category B), Veterinary Medical University Vienna (Oct. 2010)

### **Further career-related qualifications**

- Data-processing: Amira 3D, Huygens Deconvolution, Imaris, Adobe Photoshop, MS-Office.
- Foreign languages: English (perfect command, written and orally), Greek (beginner)
- Voluntary work at the Austrian Student's Union, „Studienrichtungsvertretung Ernährungswissenschaften“ (2002 to 2007): advisory service for students, organisatory work
- Certified instructor for volleyball
- Hobbies: Mountaineering, water polo, beach-volleyball, volleyball, running

Vienna 18.01.2018

**Clemens Röhl, PhD**