

## **Assoz. Prof. Mag. Dr. Christian WADSACK**

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**Place of birth** Knittelfeld, Austria  
**Nationality** Austria  
**Family status** Married, 3 children (Dominik born 1994, Theresa born 1997, Hannah born 1999)  
**Orcid No:** 0000-0002-5589-8642

**Research interest** human placenta, dual placental perfusion system, PlaZentaTox, materno-fetal lipid axis, (patho)physiology of the placenta, neonatal lipoproteins, bioactive lipids and enzymes, inflammatory disorders in pregnancy

### **Career History**

2003-2005 PostDoc at the Department of Obstetrics and Gynecology, Medical University of Graz  
2005-2009 Scientific Assistant at the Department of Obstetrics and Gynecology (Prof. Dr. U. Lang, Medical University of Graz), set- up and development of the ex vivo dual human placental perfusion laboratory.  
2013-Present Associate Professor at the Department of Obstetrics and Gynecology, Medical University of Graz

### **Top 5 Ivited Scientific Talks**

2015 Seminar, Tübingen, Germany – Mütterliche-neonatale Lipidachse und Plazentafunktion  
2015 SLIMP & LASRI, Mar del Plata, Argentina – Fetal HDL in gestational diabetes mellitus (GDM) affects feto-placental endothelial barrier integrity: Relationship with HDL-Associated S1P-apo complex  
2016 22<sup>th</sup> Annual Conference of the Scandinavian Society for Atherosclerosis, Humlebaek, Denmark. – LpPLA2 in Gestational Diabetes Mellitus – A protective system for placenta and fetus?

### **Top 5 Honors and Awards**

2014 Young Investigator Award on the 2nd World Congress of Pediatric Gastroenterology, Hepatology and Nutrition, Paris, France

### **Top 5 Carrer-Related Activities and Memberships**

2014 – 2017 Vicedean for Doctoralstudies

2010	Member of the international PhD Program Molecular Fundamentals Of Inflammation (MOLIN)
2012	Deputy speaker of the international doctoral PhD program Molecular Medicine (MOLMED)
2009	Member of the Medical University of Graz focusgroup: Lipid and lipid-associated diseases
2007	Biobank agent at the Department of Obstetrics and Gynecology
2000	Deputy leader of the Clinical Obstetric Research Unit and Academical Network Graz-Klagenfurt

Invited referee for > 19 scientific journals and > 10 international funding organizations

### Top 5 International Cooperations

Amgen, Pfizer, Roche, TEVA

### Top 5 Funds obtained during last five years

Funding organization	Research topic of the project	Funding in kEuro	Funding period
Austrian National Bank (OeNB-Jubiläumfond)	Fetal HDL stimulates endothelial NO synthase in an SR-BI dependent manner and its significance for vasodilatation in normal and diabetic pregnancies	75	2011-16
Roche	Transfer of Trastuzumab across the placental barrier	30	2015-17
Amgen	Ex-vivo Dual Placental Perfusion of Denosumab	170	2016-
Austrian Research Promotion Agency (FFG)	Placenta Perfusion Studio -PlaZentaTox	689	2014-19

### PHD students (since 2011)

Name of PhD student	Sex	Thesis Titel	Start	End
Ilaria Del Gaudio	f	The Role of (S1P)-HDL on endothelial Barrier Function in Gestational Diabetes Mellitus	10/2015	ongoing
Michael Gruber	m	Nanoparticles at the human placental barrier	10/2015	ongoing
Carolin Besenböck	f	The role of Lipoprotein-associated phospholipase A2 in diabetic pregnancy in placenta and fetus	10/2012	ongoing
Birgit Hirschmugl	f	Maternal-to-fetal transfer of fatty acids across the human placenta	10/2012	ongoing
Ivana Sreckovic	f	Functionality of fetal high-density lipoprotein particles: Heterogeneity and relationship to Gestation Diabetes Mellitus	10/2011	2013