

Gernot DESOYE, PhD

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Place of birth Graz, Austria
Nationality Austria
Family status 1 daughter (Hannah *1994)
Orcid No: 0000-0002-5715-3230

Research interest Inflammation, obesity, trophoblast, oxidative stress, DNA damage, growth, cell cycle, placenta

Career History

2004-present Research Director, Department of Obstetrics and Gynecology, Medical University of Graz
2004-present Associate Professor of Biochemistry, Department of Obstetrics and Gynecology, Medical University of Graz
1992 Habilitation in Medical Biochemistry, Karl Franzens University of Graz
1982-2004 Assistant Professor in Biochemistry; Institute of Biochemistry, Karl Franzens University of Graz
1980-1982 Postdoctoral fellow, Biophysical Chemistry; Max-Planck Institute for Biophysical Chemistry; with M Eigen, Nobel Laureate 1966
1972-1977 Karl Franzens University of Graz, undergraduate and graduate studies in Chemistry major; Physics minor
1979 Postdoctoral Fellow, Biochemistry; International Foundation for Cancer Research USA, at the Institute of Biochemistry, Karl Franzens University of Graz
1976-1979 Karl Franzens University of Graz, thesis; Dr. phil. with first class honors

Top 5 Invited Scientific Talks

2012 International Association of Diabetes Pregnancy Study Groups, Chennai/India, Pivotal Role of the Placenta for Maternal and Fetal Metabolism
2015 American Diabetes Association, Boston, MA, Placental Nutrient Transport: Early and late
2015 Japanese Diabetes and Pregnancy Society, Tokyo, The Role of the Placenta in Determining the Fetal Phenotype in Diabetes
2016 The Danish Diabetes Academy, Odense/Denmark, Placental Changes in Diabetes – Determinants of Fetal Phenotype or Adaptive Responses

2016 International Association of Diabetes Pregnancy Study Groups, Buenos Aires/Argentina, The Placenta in Diabetes

Top 5 Honors and Awards

2011 Giorgio Pardi Senior Research Award (Society for Gynecologic Investigation, SGI now SRI, USA)

2010 Austrian Champion in European Research (FFG)

2008 Jorgen Pedersen Lecture Diabetic Pregnancy Study Group Europe (DPSG/EASD)

2004 Research Prize of the Aventis Foundation, Austria, as senior author

2005 President's Award Society for Gynecologic Investigation (USA)

Top 5 Career-Related Activities and Memberships

2017-2019 Associate Editor *Diabetologia*

2002-2014 Editor-in-Chief *Placenta*, emeritus editor/board member

2011-2015 Associate Editor *Annals of Nutrition and Metabolism*

2005-2013 Grant reviews for American Diabetes Association, Australian National Health and Research Council (NHMRC); European Commission (reviewer and panel member for several programs; project auditor)

Until now Reviewer for more than 30 journals including Nature Medicine, PNAS, Diabetes, Diabetes Care, Journal of Clinical Endocrinology & Metabolism

Top 5 International Cooperations (ongoing)

Sylvie Hauguel-de Mouzon, Univ Cleveland, Metro Health Center, Cleveland, OH, USA

Emilio Herrera, Inst Biochemistry, Universidad San Pablo CEU, Madrid, Spain

Rohan Lewis, Univ Southampton, Southampton, UK.

Richard Saffery, Murdoch Children's Hospital, Univ Melbourne, Melbourne Australia

Rekha Samuel, Christian Medical College, Vellore, India

Top 5 Funds obtained during last five years

Funding organisation	Project number	Research topic of the project	Amount funded In kEuro
EC FP7	KBBE-289346	Long-term influence of early nutrition on health– Role of the Placenta (Early Nutrition; partner)	390k€
EC FP7	HEALTH-F2-2009-242187	Vitamin D and lifestyle intervention for GDM prevention (DALI; coordinator)	2998 k€ (710 k€)

OeNB	12601	Type-I Diabetes Mellitus in Early Pregnancy: Effect on placental development	81 k€
OeNB	10896	MT1-MMP and Placenta in Diabetes	63 k€
EC	QLRT-00138	Role of Fatty Acids in Perinatal Nutrition (PERILIP; partner)	274 k€

PHD students (since 2011)

Name of PhD student	Sex	Thesis Titel	Start	End
Denise Hoch	f	Low-grade inflammation of gestational diabetes mellitus induces insulin resistance in fetoplacental endothelial cells	10/2016	ongoing
Alejandro Majali Martinez	m	The role of placental metalloproteinases in inflammation-associated pregnancy diseases	3/2013	ongoing
Carolin Besenböck	f	The role of Lipoprotein-associated phospholipase A2 in diabetic pregnancy in placenta and fetus	3/2013	ongoing
Birgit Hirschmugl	f	Maternal-to-fetal transfer of fatty acids across the human placenta	10/2012	ongoing
Francisca Isidora Diaz Perez	f	Programming endothelial dysfunction in diabetic pregnancies	10/2012	2016
Jelena Jögl	f	Regulation of vasculogenesis and angiogenesis in the human placenta by trophoblast cells and tissue macrophages in normal and pathologic pregnancies	10/2011	ongoing
Silvija Tokic	f	In utero programming of human fetoplacental cells: The link to fetal developmental programming and disease susceptibility in adulthood	10/2010	2013
Julia Fröhlich	f	Effect of maternal hyperglycemia on trophoblast proliferation	10/2008	2011
Monika Scholler	f	Regulation of High-Density Lipoprotein (HDL) Mediated Sterol Transfer Across the Placenta	10/2008	2011