

Curriculum Vitae

Name Escher Geneviève

Date of Birth 17.2.1967

Education

University of Lausanne License in Biology (1986-1990)

University of Lausanne Diploma in Biology (1990-1992)

University of Bern PhD in Biology (1992-1995)

University of Bern PD in Experimental Nephrology (2009)

Training/Functions

1992-1995 PhD studies, department of Nephrology (Profs. F. and B. Frey), Inselspital Bern

1995-2000 Postdoc studies, department of Nephrology and hypertension (Profs. F. and B. Frey), Inselspital Bern

2000-2004 Postdoc studies, (Prof. Z. Krozowski and Prof. D. Sviridov), Baker Heart Research Institute, Melbourne, Australia

2004-2013 Group leader, department of Nephrology and Hypertension, Inselspital Bern

2013-today Lab Head, department of Nephrology and Hypertension, Inselspital Bern

Academical Degrees

Diploma Title: "Isolation and Characterization of eukaryotic initiation factor Prt1 from *Saccaromyces cerevisiae*"

PhD Title: "11 β -hydroxysteroid dehydrogenase: relevance for prednisolone/prednisone interconversion and inhibition by xenobiotics"

PD Title: "Reverse cholesterol transport"

Awards and Funding

Grant from the Swiss national Foundation for beginners (2000)

Schweizerische Stiftung für medizinisch-biologische Stipendien (SSMBS) (2001)

Schweizerische Stiftung für medizinisch-biologische Stipendien (SSMBS) (2003)

Marie-Heim-Vögtlin (2004-2006)

Grant (DivIII) from the Swiss National Foundation (2005-2008)

Grant (DivIII) from the Swiss National Foundation (2008-2011)

R'Equip (2014)

Publications

Link to my biography:

<https://www.ncbi.nlm.nih.gov/sites/myncbi/1vKhAkhY8omQ9/bibliography/44638325/public/?sort=date&direction=descending>

2017

Marti N, Malikova J, Galván JA, Aebischer M, Janner M, Sumnik Z, Obermannova B, **Escher G**, Perren A, Flück CE. Androgen production in pediatric adrenocortical tumors may occur via both the classic and/or the alternative backdoor pathway. *Molecular and cellular endocrinology*. 2017; 452:64-73. PMID:28501574

Mistry HD, Kurlak LO, Mansour YT, Zurkinden L, Mohaupt MG, **Escher G**. Increased maternal and fetal cholesterol efflux capacity and placental CYP27A1 expression in preeclampsia. *Journal of lipid research*. 2017; 58(6):1186-1195. PMID:28396342

Winkler BS, Pecks U, Najjari L, Kleine-Eggebrecht N, Maass N, Mohaupt M, **Escher G**. Maternal 27-hydroxycholesterol concentrations during the course of pregnancy and in pregnancy pathologies. *BMC pregnancy and childbirth*. 2017; 17(1):106. PMID:28376740

Pecks U, Rath W, Bauerschlag DO, Maass N, Orlikowsky T, Mohaupt MG, **Escher G**. Serum cholesterol acceptor capacity in intrauterine growth restricted fetuses. *Journal of perinatal medicine*. 2017; PMID: 28195552

2016

Zurkinden L, Mansour YT, Rohrbach B, Vogt B, Mistry HD, **Escher G**. Hepatic caveolin-1 is enhanced in *Cyp27a1/ApoE* double knockout mice. *FEBS open bio*. 2016; 6(10):1025-1035. PMID:28149711

Walter C, Tanfous MB, Igoudjil K, Salhi A, **Escher G**, Crambert G. H,K-ATPase type 2 contributes to salt-sensitive hypertension induced by K(+) restriction. *Pflugers Archiv: European journal of physiology*. 2016; 468(10):1673-83. PMID: 27562425

Pecks U, Rath W, Kleine-Eggebrecht N, Maass N, Voigt F, Goecke TW, Mohaupt MG, **Escher G**. Maternal Serum Lipid, Estradiol, and Progesterone Levels in Pregnancy, and the Impact of Placental and Hepatic Pathologies. *Geburtshilfe und Frauenheilkunde*. 2016; 76(7):799-808. PMID: 27582578

Ackermann D, Pruijm M, Ponte B, Guessous I, Ehret G, **Escher G**, Dick B, Al-Alwan H, Vuistiner P, Paccaud F, Burnier M, Péchère-Bertschi A, Martin PY, Vogt B, Mohaupt M, Bochud M. CYP17A1 Enzyme Activity Is Linked to Ambulatory Blood Pressure in a Family-Based Population Study. *American journal of hypertension*. 2016; 29(4):484-93. PMID: 26297028

Eisele N, Albrecht C, Mistry HD, Dick B, Baumann M, Surbek D, Currie G, Delles C, Mohaupt MG, **Escher G**, Gennari-Moser C. Placental expression of the angiogenic placental growth factor is stimulated by both aldosterone and simulated starvation. *Placenta*. 2016; 40:18-24. PMID: 27016778

2015

Mordasini D, Loffing-Cueni D, Loffing J, Beatrice R, Maillard MP, Hummler E, Burnier M, **Escher G**, Vogt B. ENaC activity in collecting ducts modulates NCC in cirrhotic mice. *Pflugers Archiv : European journal of physiology*. 2015; 467(12):2529-39. PMID: 26055235

Mistry HD, Eisele N, **Escher G**, Dick B, Surbek D, Delles C, Currie G, Schlembach D, Mohaupt MG, Gennari-Moser C. Gestation-specific reference intervals for comprehensive spot urinary steroid hormone metabolite analysis in normal singleton pregnancy and 6 weeks postpartum. *Reproductive biology and endocrinology : RB&E*. 2015; 13:101. PMID: 26337185

2014

Zurkinden L, Solcà C, Vögeli IA, Vogt B, Ackermann D, Erickson SK, Frey FJ, Sviridov D, **Escher G**. Effect of Cyp27A1 gene dosage on atherosclerosis development in ApoE-knockout mice. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*. 2014; 28(3):1198-209. PMID: 24327605

Pecks U, Mohaupt MG, Hütten MC, Maass N, Rath W, **Escher G**. Cholesterol acceptor capacity is preserved by different mechanisms in preterm and term fetuses. *Biochimica et biophysica acta*. 2014; 1841(2):251-8. PMID: 24291326

Gennari-Moser C, **Escher G**, Kramer S, Dick B, Eisele N, Baumann M, Raio L, Frey FJ, Surbek D, Mohaupt MG. Normotensive blood pressure in pregnancy: the role of salt and aldosterone. *Hypertension (Dallas, Tex. : 1979)*. 2014; 63(2):362-8. PMID: 24296282

2013

Gennari-Moser C, Khankin EV, **Escher G**, Burkhard F, Frey BM, Karumanchi SA, Frey FJ, Mohaupt MG. Response to "Are aldosterone levels inappropriately low in preeclampsia"? *Hypertension (Dallas, Tex.:1979)*. 2013; 62(5):e40.]PMID: 24288784

Vögeli I, Jung HH, Dick B, Erickson SK, Escher R, Funder JW, Frey FJ, **Escher G**. Evidence for a role of sterol 27-hydroxylase in glucocorticoid metabolism in vivo. *The Journal of endocrinology*. 2013; 219(2):119-29. PMID: 24096962

Gennari-Moser C, Khankin EV, **Escher G**, Burkhard F, Frey BM, Karumanchi SA, Frey FJ, Mohaupt MG. Vascular endothelial growth factor-A and aldosterone: relevance to normal pregnancy and preeclampsia. *Hypertension (Dallas, Tex.:1979)*. 2013; 61(5):1111-7. PMID: 23460276