

CURRICULUM VITAE – Dr. techn. Ariane Pessentheiner, MSc.

☎ +43 316 380 4972

✉ ariane.pessentheiner@tugraz.at

@ www.cellism.tugraz.at

EDUCATION

Since 10/2014	Postdoctoral fellow at the Institute of Biochemistry, Graz University of Technology
09/2014	Doctoral degree (Dr. techn.)
11/2009-09/2014	Doctoral study in Engineering Science: Biomedical Engineering Doctoral College: Metabolic and Cardiovascular Diseases Doctoral Thesis: Elucidation of genes influencing adipogenic development and energy metabolism Supervisor: Associate Professor Ph.D. Juliane Bogner-Strauss Institute of Biochemistry, Graz University of Technology, Austria
06 & 10/2010	Advanced university trainings: Introductory course into laboratory animal science Practical introduction into reproductional biotechnology and transgenic techniques in rodents University of Veterinary Medicine Vienna, Austria
10/2009	Master of Science Diploma thesis: The role of ATGL and HSL in lipoprotein metabolism Institute for Molecular Biosciences, University of Graz, Austria Master Program: Biochemistry and Molecular Biomedicine, University of Graz
09/2007-10/2009	
08/2007	Bachelor of Science
10/2003-08/2007	Bachelor program: Molecular Biology, University of Graz, Austria
06/2003	General qualification for university entrance
09/1995-06/2003	Grammar school (8 years English, 6 years Italian, 3 years Latin), Klagenfurt, Austria

WORK EXPERIENCE

since 11/2009	Graz University of Technology , University project assistant Institute for Genomics and Bioinformatics, Lab work in a wide range of molecular techniques (molecular cloning, mouse handling and breeding, fluorescence microscopy), Teaching of lab-courses and supervision of interns and master students
03/2009-07/2009	University of Graz , Student assistant Tutoring of a biochemistry laboratory course

INTERNATIONAL EXPERIENCE

11/2014-11/2014	Research visit in the lab of Dr. Atsumi Nitta at the University of Toyama/Japan;
06/2013-01/2014	Research visit in the lab of Dr. Jerrold M. Olefsky at the UCSD in San Diego/California; Topic: Elucidation of hepatic inflammation in states of obesity and investigation of mechanisms of omega-3 fatty acid receptor GPR120 signaling pathway in insulin resistance and anti-inflammation (Supervision: Dr. Da Young Oh)
08/2006-02/2007	Study exchange at the University of Bologna, Italy, within the ERASMUS program

ADDITIONAL CAREER RELATED ACTIVITIES

2013-2014	One year career-program for female researchers (Karriereprogramm für Wissenschaftlerinnen - Kompetenzen, Strategien, Netzwerke), Coordination Centre for Women's Studies, Gender Research and Equal Opportunities for Women, University of Graz
09/2010-07/2014	Student Speaker of the doctoral college "Metabolic and Cardiovascular Disease"
07/2005-07/2009	Student Speaker for biological studies, University of Graz

AWARDS

06/2013 – 01/2014	Marshall Plan Scholarship for research visit at University of California in San Diego, USA
12/2011	Best Poster Award at the Doctoral Day, Medical University of Graz
2007/2008	Academic Excellence Scholarship, rewarded by the Faculty of Natural Science at the University of Graz

PUBLICATIONS

Name before marriage: Klatzer

1. Morinaga H, Mayoral R, Heinrichsdorff J, Osborn O, Franck N, Hah N, Walenta E, Bandyopadhyay G, **Pessentheiner AR**, Chi TJ, Chung H, Bogner-Strauss JG, Evans RM, Olefsky JM, Oh DY. Diabetes. 2014 Oct 14. pii: DB_141238.
2. Oh DY, Walenta E, Akiyama RE, Lagakos WS, Lackey D, **Pessentheiner AR**, Sasik R, Hah N, Chi T, Cox JM, Powels MA, Di Salvo J, Sinz C, Watkins SM, Armando AM, Chung H, Evans RM, Quehenberger O, McNelis J, Bogner-Strauss JG, Olefsky JM. A Gpr120 Selective Agonist Improves Insulin Resistance and Chronic Inflammation. Nat Med. 2014 Aug;20(8):942-7. doi: 10.1038/nm.3614.
3. **Pessentheiner AR**, Pelzmann HJ, Walenta E, Schweiger M, Groschner L, Graier W, Prokesch A and Bogner-Strauss JG. N-acetyltransferase 8-like impacts on brown adipocyte development and enhances metabolic rate. J Biol Chem 2013; 288(50):36040-51 doi: 10.1074/jbc.M113.491324.
4. Walenta E, **Pessentheiner AR**, Pelzmann HJ, Deutsch A, Goeritzer M, Kratky D, Hackl H, Oh DY, Prokesch A, Bogner-Strauss JG. α/β -Hydrolase Domain Containing Protein 15 (ABHD15) – an Adipogenic Protein Protecting from Apoptosis. PLoS One. 2013; 8(11):e79134. doi: 10.1371/journal.pone.0079134. eCollection 2013
5. M Schupp, F Chen, ER Briggs, S Rao, **AR Pessentheiner**, HJ Pelzmann, JG Bogner-Strauss, MA Lazar, D Baldwin, A Prokesch. Metabolite and transcriptome profiling reveal involvement of p53 signaling in the fasting response of major metabolic tissues. BMC Genomics. 2013; 14 (1):758. doi: 10.1186/1471-2164-14-758.
6. Pinet M, Prokesch A, Hackl H, Voshol PJ, **Klatzer A**, Walenta E, Panzenboeck U, Kenner L, Trajanoski Z, Hoefler G and Bogner-Strauss JG. Adipose triglyceride lipase is involved in fat loss in JunB-deficient mice. Endocrinology. 2011; 152(7):2678-89. doi: 10.1210/en.2010-1477.
7. Bogner-Strauss JG*, Prokesch A, Sanchez-Cabo F, Rieder D, Hackl H, Duszka K, Krogsdam A, Di Camillo B, Walenta E, **Klatzer A**, Lass A, Pinet M, Wong WC, Eisenhaber F, Trajanoski Z. (*corresponding author). Reconstruction of gene association network reveals a transmembrane protein required for adipogenesis and targeted by PPAR γ . Cell Mol Life Sciences. 2010 67(23):4049-64. doi: 10.1007/s00018-010-0424-5.

TALKS AT INTERNATIONAL CONFERENCES

N-acetyltransferase 8-like impacts on brown adipocyte development and influences UCP1 expression
Benzon-Symposium No. 58, Adipose tissue in Health and Disease, Aug 29, 2012, Copenhagen, Denmark

POSTERS

Pessentheiner A, Walenta E, Pelzmann HJ, Hofer D, Rüllicke T, Goeritzer M, Kratky D, Bogner-Strauss JG.
ABHD15- A key factor in lipid metabolism and apoptosis

Hearing for SFP Lipotox application, Vienna, Austria 23.09.2014

Klatzer A, Pelzmann HJ, Walenta E, Groschner L, Graier W, Prokesch A, Bogner-Strauss JG

N-acetyltransferase 8-like: New implications in brown adipocyte metabolism through PPAR α signaling

Accepted for poster and short talk at Keystone Symposia, Nuclear receptors and friends, Apr 03-8, 2013

Klatzer A, Pelzmann HJ, Walenta E, Groschner L, Graier W, Prokesch A, Bogner-Strauss JG

N-acetyltransferase 8-like impacts on brown adipocyte development and influences UCP1 expression.

Austrian Proteomic Research Symposium (APRS), Graz, Austria, 24.-26.09.2012

Additionally: Annual OEGMBT meeting, Graz, Austria, 17.-19.09.2012 and

Benzon Symposium No.58 – Adipose Tissue in Health and Disease, Copenhagen, Dänemark 27.-30.08.2012

Klatzer A, Pelzmann HJ, Sonnberger L, Walenta E, Magnes C, Prokesch A, Bogner-Strauss JG

Expression levels of an N-acetyltransferase influence white and brown adipogenes.

Medical University of Graz, Doctoral Day, Nov 4, 2011, Graz, Austria

Klatzer A, Prokesch A, Walenta E, Rieder D, Duska K, Krogsdam A, Stoeger F, Hakl H, Trajanoski Z, Bogner-Strauss JG

Adipocyte plasma membrane-associated protein – a new player in adipogenesis.

3rd International Graz Symposium on Lipid and Membrane Biology; Mar 18–21 2010; Graz, Austria, 2010.

Klatzer A, Prokesch A, Walenta E, Rieder D, Duska K, Krogsdam A, Stoeger F, Hakl H, Trajanoski Z, Bogner-Strauss JG

Adipocyte plasma membrane-associated protein — a new player in adipogenesis

Keystone Symposia, Type 2 Diabetes and Obesity, Jan 12-17, 2011, Keystone, Colorado, USA

Graz, February 2015