

PERSONAL INFORMATION **Christoph Mueck**

WORK EXPERIENCE

July 2017- Present

Quality Assessor

AGES Austrian Agency for Health and Food Safety (Austria)
Quality assessment - biologicals

December 2015-June 2017

Process Validation Senior Expert

Shire (Austria)

Facilitator for Quality by Design and process validation strategy of products in clinical phase I III and routine

October 2013-November 2015

Senior Quality Representative

Baxter Biosciences AG (Austria)

Project management and expert function for calibration and qualification of biological reference substances; Representation at audits

September 2011-September 2013

Manager Quality Assurance

HEXAL AG/Sandoz (Germany)

Management of process validation and cleaning validation for transdermal therapeutic systems, oral films and solid dosage forms; Representation at audits

February 2009-March 2011

Post-Doc

Austrian Academy of Sciences (Austria)

Manufacturing of lentivirus for overexpression and knock-down of target genes; Phenotypical characterization of target gene products in primary human cell culture; Bioinformatic analysis and validation of microarray-data; Establishment of ELISAs; Supervision of Master- and PHD-students

June 2004-July 2005

Research Assistant

Albstadt-Sigmaringen University (Germany)

Establishment of a qPCR for detection of the mitochondrial common deletion; Isolation and cultivation of chondrocytes from nose surgery; Applying qPCR to follow the dynamics of mutation accumulation of chondrocytes in-vivo and in-vitro; Writing applications for third-party funds; Teaching of Biogerontology, Leading the practical course on cell culture

EDUCATION AND TRAINING

October 2005-January 2009

PhD in Cellular and Molecular Biology

Austrian Academy of Sciences (Austria)

Thesis title: Functional characterization of secreted proteins involved in senescence of human endothelial cells and atherosclerosis

September 2002-May 2004

Master of Science in Biomedical Engineering

Albstadt-Sigmaringen University (Germany)

Thesis title: Knock-out and phenotypic characterization of putative pathogenicity genes in phytopathogenic fungus performed at the University of Hamburg, Department Molecular Phytopathology and Genetics

Thesis title: Comparing light obscuration and coulter counter technology to detect protein aggregation in liquid biopharmaceutics in order to optimize formulation performed at the Ludwig-Maximilians-University Munich, Department for Pharmacy, Pharmaceutical Technology and Biopharmaceutics

ADDITIONAL INFORMATION

Expertise Cell and Molecular Biology, Lentivirus technology, Cell Culture, Process Validation and Qualification in the GMP area of the pharmaceutical industry, Audit experience in the pharmaceutical industry

- Publications**
1. Greussing R, Hackl M, Charoentong P, Pauck A, Monteforte R, Cavinato M, Hofer E, Scheideler M, Neuhaus M, Micutkova L, Mück C, Trajanoski Z, Grillari J, Jansen-Dürr P. Identification of mi-croRNA-mRNA functional interactions in UVB-induced senescence of human diploid fibroblasts. *BMC Genomics*; 2013 Apr 4; 14:224
 2. Dellago H, Khan A, Nussbacher M, Gstraunthaler A, Lämmermann I, Schosserer M, Mück C, Anrather D, Scheffold A, Ammerer G, Jansen-Dürr P, Rudolph KL, Voglauer-Grillari R, Grillari J. ATM-dependent phosphorylation of SNEVhPrp19/hPso4 is involved in extending cellular life span and sup-pression of apoptosis *Aging (Albany NY)*; 2012 Apr 4(4):290-304
 3. Micutkova L, Hermann M, Offterdinger M, Hess M, Matscheski A, Haymo P, Mück C, Ebner H, Leonhard H, Laich A, Ferrando-May E, Zwerschke W, Huber L, Jansen-Dürr P. Analysis of the cel-lular uptake and nuclear delivery of Insulin-like Growth Factor Binding Protein-3 in human osteosar-coma cells *International Journal of Cancer*; 2012 Apr 1; 130(7):1544-57
 4. Micutkova L, Diener T, Li C, Rogowska-Wrzesinska A, Mück C, Hütter E, Weinberger B, Grubeck-Löbenstein B, Röpstorff P, Zeng R, Jansen-Dürr P. Insulin-like growth factor binding protein-6 de-lays replicative senescence of human fibroblasts *Mechanisms of Ageing and Development*, 2011 Oct; 132(10):468-79
 5. Laschober G, Ruli D, Hofer E, Mück C, Carmona-Gutierrez D, Ring J, Hütter E, Ruckenstuhl C, Micutkova L, Brunauer R, Jamnig A, Trimmel D, Herndler-Brandstetter D, Sampson N, Breitenbach M, Fröhlich K, Grubeck-Loebenstein B, Berger P, Wieser M, Grillari-Voglauer R, Thallinger G, Grillari J, Trajanoski Z, Madeo M, Lepperdinger G, Jansen-Dürr P. Identification of evolutionarily conserved genetic regulators of cellular aging *Aging Cell*; 2010 Dec; 9(6):1084-97
 6. Mück C, Herndler-Brandstetter D, Micutkova L, Grubeck-Loebenstein B, Jansen-Dürr P. Two Func-tionally Distinct Isoforms of TL1A (TNFSF15) Generated by Differential Ectodomain Shedding *The Journals of Gerontology: Series A Biological Sciences*; 2010 Nov; 65(11):1165-80.
 7. Hackl M, Brunner S, Fortschegger K, Schreiner C, Micutkova L, Mück C, Laschober GT, Lepperding-er G, Sampson N, Berger P, Herndler-Brandstetter D, Wieser M, Kühnel H, Strasser A, Rinnerthaler M, Breitenbach M, Mildner M, Eckhart L, Tschachler E, Trost A, Bauer JW, Papak C, Trajanoski Z, Scheideler M, Grillari-Voglauer R, Grubeck-Loebenstein B, Jansen-Dürr P, Grillari J. miR-17, miR-19b, miR-20a and miR-106a are down-regulated in human aging *Aging Cell*; 2010 Apr;9(2):291-6
 8. Heeren G, Rinnerthaler M, Laun P, von Seyerl P, Kössler S, Klinger H, Jarolim S, Simon-Nobbe B, Hager M, Schüller C, Carmona-Gutierrez D, Breitenbach-Koller L, Mück C, Jansen-Dürr P, Criollo A, Kroemer G, Madeo F, Breitenbach M. The mitochondrial ribosomal protein of the large subunit, Afo1p, determines cellular longevity through mitochondrial back-signaling via TOR1 *Aging (Albany NY)*; 2009 Jul 13;1(7):622-36
 9. Mück C, Micutkova L, Zwerschke W, Jansen-Dürr P. Role of insulin-like growth factor binding pro-te-in-3 in human umbilical vein endothelial cell senescence, *Rejuvenation Research* 2008 Apr; 11(2):449-53

Projects

Memberships

Other Relevant Information