Short biosketch Dr. Dunja Reiß

1) Personal information

Reiß, Dr., *13.12.1980, female
Department of Medicine IV, University Hospital, Ludwig Maximilian University of Munich (LMU) Munich, Ziemssenstr. 1, 80366 Munich
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Position: Postdoctoral scientist, Department of Medicine IV, University Hospital, LMU Munich

2) Academic education

2000 - 2006 Studies of Chemistry, University of Tübingen
2006 - 2016 PhD student, Dr. von Hauner Children's Hospital, Munich
Since 2018 Postdoctoral scientist, Department of Medicine IV, University Hospital, LMU Munich

3) Academic degrees

2018 Doctorate, „Analyse der strukturchemischen Grundlagen der Wechselwirkungen zwischen der Phenylalaninhydroxylase und ihrem natürlichen Kofaktor Tetrahydrobiopterin“ at Ludwig Maximilian University of Munich, Frau Prof. A. Muntau and Prof. H. Domdey
2006 Diploma Degree at University of Tübingen

4) Publications

2008 Gersting, S. W., Kemter, K. F., Staudigl, M., **Messing, D. D.**, Danecka, M. K., Lagler, F. B., Sommerhoff, C. P., Roscher, A. A., Muntau, A. C. Loss of function in phenylketonuria is caused by impaired molecular motions and conformational instability. *American Journal of Human Genetics* 83(1):5-17

2009 Maier, E. M., Gersting, S. W., Kemter, K. F., Jank, J. M., Reindl, M., **Messing, D. D.**, Truger, M. S., Sommerhoff, C. P., Muntau, A. C. Protein misfolding is the molecular mechanism underlying MCADD identified in newborn screening. *Human Molecular Genetics* 18(9):1612-23

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2010 Gersting, S. W., Staudigl, M., Truger, M. S., **Messing, D. D.**, Danecka, M. K., Sommerhoff, C. P., Kemter, K. F., Muntau, A. C. Activation of phenylalanine hydroxylase induces positive cooperativity toward the natural cofactor. *Journal of Biological Chemistry* 285(40):30686-97

2011 Staudigl, M., Gersting, S. W., Danecka, M. K., **Messing, D. D.**, Woidy, M., Pinkas, D., Kemter, K. F., Blau, N., Muntau, A. C. The interplay between genotype, metabolic state and cofactor treatment governs phenylalanine hydroxylase function and drug response. *Human Molecular Genetics* 20(13):2628-41

2012 Santos-Sierra, S., Kirchmair, J., Perna, A. M., **Reiß, D. D.**, Kemter, K. F., Röschinger, W., Glossmann, H., Gersting, S. W., Muntau, A. C., Wolber, G., Lagler, F. B. Novel pharmacological chaperones that correct phenylketonuria in mice. *Human Molecular Genetics* 21(8):1877-87

2014 Jank J.M., Maier E.M., **Reiβ D.D.**, Haslbeck M., Kemter K.F., Truger M.S., Sommerhoff C.P., Ferdinandusse S., Wanders R.J., Gersting S.W., Muntau A.C. The Domain-Specific and Temperature-Dependent Protein Misfolding Phenotype of Variant Medium-Chain acyl-CoA Dehydrogenase. *PLoS One*, 2014 Apr 9;9(4):e93852

2018 Guder P., Lotz-Havla A.S., Woidy M., **Reiß D.D.**, Danecka M.K., Schatz U.A., Becker M., Ensenauer R., Pagel P., Büttner L., Muntau A.C., Gersting S.W. Isoform-specific domain organization determines conformation and function of the peroxisomal biogenesis factor PEX26. *Biochim Biophys Acta Mol Cell Res.*, Epub 2018 Oct 23.