Curriculum Vitae Wolfgang Sommer

Degree: *1992* MD Humboldt-University/Max-Plank-Group for Molecular Virology

Education and positions:

1981 - 1987	Studies in medicine at University of Greifswald
1989 - 1992	Graduate student at Max-Plank research group at Max-Delbruck-Centre, Berlin-Buch
1993 - 2001	Postdoc and clinical fellow at Karolinska Institute, Stockholm, Sweden
2002 - 2004	Associate professor and consultant in psychiatry at Karolinska Institute
2004 - 2008	Unit director Molecular Pathology at NIAAA/NIH, Bethesda, Maryland, USA
Since 2008	Deputy scientific director and research group leader, Institute for Psychopharmacology at CIMH, Mannheim, Germany
Since 2016	Professor for Psychiatry at the University of Heidelberg

Role in the Project:

Dr. Sommer serves as the Coordinator of the project. His research interests involve neurobiological and genetic mechanisms of alcoholism, which he studies using molecular, behavioral and neuroimaging methods. He initiated and participates in a number of translational studies aiming to identify and validate human psychopathological mechanisms with appropriate animal models. In the context of the present project he had a leading role in establishing the postdependent state model, which is now widely used to study long-term neuroadaptations induced by alcohol dependence and widely applied for treatment development in alcoholism.

Selected publications:

Meinhardt MW, Sevin DC, Klee ML, Dieter S, Sauer U, **Sommer WH**. The neurometabolic fingerprint of excessive alcohol drinking. Neuropsychopharmacology. 40:1259-68, 2015

Bilbao A, Robinson JE, Heilig M, Malanga CJ, Spanagel R, **Sommer WH***, Thorsell A*. A Pharmacogenetic determinant of mu-opioid receptor antagonist effects on alcohol reward and consumption: Evidence from humanized mice. Biol Psychiatry, 2015, [Epub ahead of print] *equal contribution

Meinhardt MW, Hansson AC, Perreau-Lenz S, Heilig M, Drescher KU, Spanagel R, **Sommer WH**. Rescue of infralimbic mGluR2 deficit restores control over drug-seeking behavior in alcohol dependence. J Neurosci, 33(7):2794-806, 2013

Hermann D, Weber-Fahr W, Sartorius A, Hoerst M, Frischknecht U, Tunc-Skarka N, Perreau-Lenz S, Hansson AC, Krumm B, Kiefer F, Spanagel R, Mann K, Ende G, **Sommer WH**. Translational magnetic resonance spectroscopy reveals excessive central glutamate levels during alcohol withdrawal in humans and rats. Biol Psychiatry 71(11):1015-21, 2012.

Schumann G et al…, **Sommer WH***, Kooner JS*, Spanagel R*, Heberlein UA*, Jarvelin MR*, Elliott P*. Genome-wide association and genetic functional studies identify autism susceptibility candidate 2 gene (AUTS2) in the regulation of alcohol consumption. Proc Natl Acad Sci U S A. 108(17):7119-24, 2011 (*Equal contribution)