

Name	Prof. Dr. K.P. Lesch	
Position	Chair and Director	
Affiliation	Division of Molecular Psychiatry Clinical Research Unit on Disorders of Neurodevelopment and Cognition Laboratory of Translational Neuroscience Center of Mental Health University of Würzburg Füchsleinstr. 15 97080 Würzburg	
Career	1977-1983	Studies in medicine at Universities of Cape Town, Bern, and Würzburg
	1981-1984	MD, Dept. of Neurology, University of Würzburg
	1985-1990	Clinical Residency, Dept. of Psychiatry and Psychotherapy, University of Würzburg
	1990-1992	Fogarty Research Fellow, SCN, LCS, National Institute of Mental Health, NIH, Bethesda MD, USA
	1993-1994	Clinical Associate and Group Leader, Dept. of Psychiatry and Psychotherapy, University of Würzburg
	1995-2000	Herrmann and Lilly Schilling Professor of Clinical Neuroscience, University of Würzburg
	since 2001	Professor of Psychiatry and Psychotherapy, Dept. of Psychiatry, Psychosomatics and Psychotherapy, University of Würzburg
	since 2010	Associate Professor, Department of Translational Neuroscience School for Mental Health and Neuroscience (MHENS) Maastricht University, The Netherlands
	since 2010	Chair, Division of Molecular Psychiatry; Director, Laboratory of Translational Neuroscience, University of Würzburg
Research Fields	Molecular neurobiology of cognitive control and self-regulation, epigenetics of brain development and neuronal plasticity, imaging genetics, animal models of attention, cognition, and learning/memory, pathogenetic mechanisms of depression, attention-deficit/hyperactivity, substance use and co-morbid disorders	
Professional Activities	<i>University:</i> since 2004 Coordinator DFG KFO 125; since 2007 Vice-Coordinator, DFG GRK 1253 <i>Other:</i> 2007 Founding Member, European Neuroscience and Society Network (ENSN); member of several national and international advisory boards	
Awards	1988 Organon Research Award for Biological Psychiatry; 1992 A.E. Bennett Award; 1993 H.J. Weitbrecht Award; 1995 WFSBP International Research Development Award; 1996 Max Hamilton Memorial Award; 1997 AGNP Psychopharmacology Award; 2008 ECNP Neuropsychopharmacology Award	
Publications and Citations	ResearcherID: www.researcherid.com/rid/J-4906-2013 OrCID: orcid.org/0000-0001-8348-153X Peer-reviewed publications: 548 Independent citations: >27000 h-index: 87	

20 most important publications

1. **Lesch KP**, Bengel D, Heils A, Sabol SZ, Greenberg BD, Petri S, Benjamin J, Müller CR, Hamer DH, Murphy DL (1996) Association of anxiety-related traits with a polymorphism in the serotonin transporter gene regulatory region. *Science* 274:1527-1532
2. Collier DA, Stöber G, Li T, Heils A, Catalano M, Di Bella D, Arranz MJ, Murray RM, Vallada HP, Bengel D, Müller CR, Roberts GW, Smeraldi E, Kirov G, Sham P, **Lesch KP** (1996) A novel functional polymorphism within the promoter of the serotonin transporter gene: possible role in susceptibility to affective disorders. *Mol Psychiatry* 1:453-460
3. Sora I, Wichems C, Takahashi N, Li XF, Donovan D, Rovay R, Zeng Z, **Lesch KP**, Murphy DL, Uhl GR (1998) Cocaine reward models: conditioned place preference can be established in dopamine- and in serotonin-transporter knockout mice. *Proc Natl Acad Sci USA* 95:7699-7704
4. Bennett AJ, **Lesch KP**, Heils A, Long J, Lorenz J, Shoaf SE, Champoux M, Suomi SJ, Linnoila M, Higley JD (2002) Early experience and serotonin transporter gene variation interact to influence primate CNS function. *Mol Psychiatry* 7:118-122
5. Jacob CP, Strobel A, Hohenberger K, Ringel T, Gutknecht L, Reif A, Brocke B, **Lesch KP** (2004) Association between allelic variation of serotonin transporter function and Neuroticism in anxious cluster C personality disorders. *Am J Psychiatry* 161:569-572
6. Canli T, Omura K, Haas B, Constable RT, **Lesch KP** (2005) Beyond affect: a role for genetic variation of the serotonin transporter in neural activation during a cognitive attention task. *Proc Natl Acad Sci USA* 102:12224-12229
7. Canli T, Qiu M, Omura K, Congdon E, Haas BW, Amin Z, Herrmann MJ, Constable RT, **Lesch KP** (2006) Neural correlates of epigenesis. *Proc Natl Acad Sci USA* 103:16033-16038
8. Walitza S, Renner T, Dempfle A, Wewetzer C, Halbach A, Herpertz-Dahlmann B, Remschmidt H, Linder M, Knölker U, Schäfer H, Gross C, Hebebrand J, Warnke A, **Lesch KP** (2005) Transmission disequilibrium of polymorphic variants in the tryptophan hydroxylase-2 gene in attention-deficit/hyperactivity disorder. *Mol Psychiatry* 10:1126-32
9. Reif A, Fritzen S, Finger M, Lauer M, Schmitt A, **Lesch KP** (2006) Adult neurogenesis in the human hippocampus is altered in schizophrenia but not depression. *Mol Psychiatry* 11:514-522
10. Murphy DL, **Lesch KP** (2008) Targeting the murine serotonin transporter: insights into human neurobiology. *Nat Rev Neurosci* 9:85-96
11. Canli T, **Lesch KP** (2007) Long story short: the serotonin transporter in emotion regulation and social cognition. *Nature Neurosci* 10:1103-1109
12. Reif A, Jacob CP, Rujescu D, Herterich S, Lang S; Gutknecht L, Bähne C; Strobel A, Freitag CM, Giegling I, Romanos M, Hartmann A, Rösler M, Renner TJ, Fallgatter AJ, Retz W, Ehliis AC, **Lesch KP** (2009) Functional variant of neuronal NO synthase influences impulsive behaviors in humans. *Arch Gen Psychiatry* 66:41-50

13. **Lesch KP**, Selch S, Renner TJ, Jacob C, Nguyen TT, Hahn T, Romanos M, Shoichet S, Dempfle A, Heine M, Boreatti-Hümmer A, Walitza S, Romanos J, Gross-Lesch S, Zerlaut H, Allolio B, Heinzl S, Fassnacht M, Fallgatter A, Wultsch T, Schäfer H, Warnke A, Reif A, Ropers HH, Ullmann R (2011) Genome-wide copy number variation analysis in ADHD: association with neuropeptide Y gene dosage in an extended pedigree. *Mol Psychiatry* 16:491-503
14. Lange M, Norton W, Coolen M, Chaminade M, Merker S, Proft F, Schmitt A, Vernier P, **Lesch KP**, Bally-Cuif L (2012) The ADHD-susceptibility gene *Iphn3.1* modulates dopaminergic neuron formation and locomotor activity during zebrafish development. *Mol Psychiatry* 17:946-954
15. **Lesch KP**, Waider J (2012) Serotonin in the modulation of neural plasticity and networks: implications for neurodevelopmental disorders. *Neuron* 76:175-191
16. Williams NM, Franke B, Mick E, Anney RJ, Freitag CM, Gill M, Thapar A, O'Donovan MC, Owen MJ, Holmans P, Kent L, Middleton F, Zhang-James Y, Liu L, Meyer J, Nguyen TT, Romanos J, Romanos M, Seitz C, Renner TJ, Walitza S, Warnke A, Palmason H, Buitelaar J, Rommelse N, Vasquez AA, Hawi Z, Langley K, Sergeant J, Steinhausen HC, Roeyers H, Biederman J, Zaharieva I, Hakonarson H, Elia J, Lionel AC, Crosbie J, Marshall CR, Schachar R, Scherer SW, Todorov A, Smalley SL, Loo S, Nelson S, Shtir C, Asherson P, Reif A, **Lesch KP**, Faraone SV (2012) Genome-wide analysis of copy number variants in attention deficit hyperactivity disorder: the role of rare variants and duplications at 15q13.3. *Am J Psychiatry* 169:195-204
17. Scharl M, Walter RB, Shen Y, Garcian T, Catchen J, Amores A, Braasch I, Chalopin D, Volff JN, **Lesch KP**, Bisazza A, Minx P, Wilson RK, Fuerstenberg S, Boore J, Postlethwait JH, Warren WC (2013) The genome of the platyfish, *Xiphophorus maculatus*: insights into complex traits. *Nat Genetics* 45:567-572
18. Cross-Disorder Group of the Psychiatric Genomics Consortium, Smoller JW, Craddock N, Kendler K, Lee PH, Neale BM, Nurnberger JI, Ripke S, Santangelo S, Sullivan PF, ..., **Lesch KP**, ..., Craddock N, Kendler K (2013) Identification of risk loci with shared effects on five major psychiatric disorders: a genome-wide analysis. *Lancet* 381:1371-1379
19. Schraut KG, Jakob SB, Weidner MT, Schmitt AG, Scholz CJ, Strelakova T, El Hajj N, Eijssen LMT, Domschke K, Reif A, Haaf T, Ortega G, Steinbusch HWM, **Lesch KP***, van den Hove DL* (2014) Prenatal stress-induced programming of genome-wide promoter DNA methylation in 5-HTT deficient mice. *Translational Psychiatry* 4:e473
*equal contribution
20. Rivero O, Selten M, Sich S, Popp S, Bacmeister L, Amendola E, Negwer M, Schubert D, Proft F, Kiser D, Schmitt A, Gross C, Kolk SM, Strelakova T, van den Hove D, Resink TJ, Nadif Kasri N, **Lesch KP** (2015) Cadherin-13, a risk gene for ADHD and comorbid disorders, impacts GABAergic function in hippocampus and cognition. *Transl Psychiatry* 5:e655