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### ***Education and training***

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Nov. 1993 - June 1996 Undergraduate training in Biology at the University Bayreuth, Germany  
 Nov. 1996 - June 1999 Graduate training in Biology at the University Bayreuth (Germany) and at the University of Delaware (USA)  
 Supervisors: Prof. D. van Holst, Prof. S. Levine  
 26<sup>th</sup> June 1999 Masters Degree in biology (*magna cum laude*)  
 Jan. 2000 - Sept. 2003 Ph.D. training in the Division of Medical Pharmacology LACDR, Leiden University (The Netherlands)  
 Supervisor: Prof. E.R. de Kloet  
 14<sup>th</sup> January 2004 Ph.D. degree in biology (not graded in the Netherlands)  
 Jan. 2005 – 2010 Habilitation at the Ludwig Maximilian University in Munich, Germany; Title: "Consequences of chronic social stress"

### ***International training***

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Aug. 1997 - April 1999 Graduate training and masters thesis at the Department of Psychology, University of Delaware, Newark, USA  
 Jan. 2000 - Sept. 2003 Ph.D. training at the Division of Medical Pharmacology LACDR, Leiden University, The Netherlands

### ***Qualifications and professional experience***

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Sept. 2003 - Dec. 2004 Postdoctoral fellowship at the Max Planck Institute of Psychiatry, Munich, Germany  
 Jan. 2005 - Feb. 2010 Principle investigator at the research group "*Molecular Stress Physiology*" at the Max Planck Institute of Psychiatry, Munich, Germany  
 March 2010 - present Research group leader at the Max Planck Institute of Psychiatry, "*Neurobiology of Stress Resilience*", Munich, Germany

### **Grants and Awards**

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2003 Winner of the Ph.D. contest of the Leiden/Amsterdam Center for Drug Research (LACDR)  
 2003 Postdoctoral stipend of the Max Planck Society (€22.000,-)  
 2004 Travel stipend of the GlaxoSmithKline foundation  
 2006 Winner of the Elsevier poster prize at the ISPNE meeting in Leiden, NL  
 2006 Travel stipend of the GlaxoSmithKline foundation

2007	Travel stipend of the German Research Foundation (DFG)
2007	Poster prize at the institute seminar of the MPI of Psychiatry
2008-2011	FP7 EU-funded grant to investigate the role of novel synaptic cell adhesion molecules in memory loss in animal models of psychiatric diseases. Part of the "Memstick" consortium; €430.000,-
2008	EBBS Early-Career 40 <sup>th</sup> Anniversary Award
2010	GSN teaching grant; €10.000,-
2011	Ernst und Berta Scharrer Award of the Deutsche Gesellschaft für Endokrinologie €10.000,-
2011-2013	NARSAD Young Investigator Award, \$60.000,-
2011-2014	FP7 EU-funded grant to investigate the role maternal obesity on stress-induced diseases. Part of the "DORIAN" consortium; €200.000,-
2012	GSN teaching grant; €7.500,-
2013-2014	Max Planck Innovations research grant; €10.000,-
2014-2017	BMBF grant to study the role of candidate genes in animal models of depression. Part of the "OptiMD" consortium; Total grant volume € 4.700.000,-
2016-2018	BioM M4 award of the Bavarian State Ministry (together with F.Hausch) for the development of FKBP51 antagonists to treat metabolic disorders. PI-specific grant volume: €110.000,-; Total grant volume €695.000,-
2017-2019	BMBF grant to study the impact of early life stress on disease risk. Part of the "Kids2Health" consortium. PI-specific grant volume: €298.760,-; Total grant volume €4.714.452,-
2018-2020	BMBF grant to study the impact the interplay of the intestinal microbiome and early life stress. Part of the "GutMOM" consortium. PI-specific grant volume: €285.666,-; Total grant volume €1.195.916,-

### Scientific memberships

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Since 2002	Active member of the European Brain and Behaviour Society (EBBS) under the umbrella organization Federation of European Neuroscience Societies (FENS)
Since 2008	Active member of the International Society of Psychoneuroendocrinology (ISPNE)
Since 2008	Invited member of the European College of Neuropsychopharmacology (ECNP)
Since 2008	Faculty member of the Munich Center for Neurosciences - Brain & Mind
2009-2014	Board member of the European Brain and Behaviour Society
2010-2013	Member of the Society for Neuroscience
Since 2010	Faculty member of the International Max Planck Research School for Molecular and Cellular Life Sciences (IMPRS-LS)
Since 2014	Faculty Member, International Max Planck Research School for Translational Psychiatry (IMPRS-TP), Germany

**Scientific activities**

Since 1998	Tutor of 8 Bachelor theses, 16 Master theses and 18 PhD theses
Since 2004	Regular reviewer for high-ranking journals, including PNAS, Molecular Psychiatry, Biological Psychiatry, Endocrinology, Psychoneuroendocrinology, Journal of Neuroscience, etc.
Oct. 2007	Organization of a symposium at the 6 <sup>th</sup> world congress on stress, Vienna, Austria
Since 2007	Review Editor of Frontiers in Behavioural Neurosciences
2008-2011	Work package leader and member of the scientific board at the EU-funded "MemStick" project
Since 2008	Radiation officer at the Max Planck Institute of Psychiatry
2009	Organization of a symposium at the 8 <sup>th</sup> meeting of the German Neuroscience Society, Göttingen, Germany
2009	Organization of a satellite symposium at the 41 <sup>st</sup> annual meeting of the European Brain and Behaviour Society, Rhodes, Greece
2009	Organization of a symposium at the 9 <sup>th</sup> World Congress of Biological Psychiatry, Paris, France
2009	Scientific writer for "Gehirn und Geist", Spektrum der Wissenschaft Verlagsgesellschaft
2009 - 2010	Guest editor of Psychoneuroendocrinology
2010-2011	Guest editor of Progress in Neuro-Psychopharmacology & Biological Psychiatry
2010	Organization of a symposium at the 7 <sup>th</sup> world congress on stress, Leiden, The Netherlands
2010	Scientific advisor of VSI Synchron
Since 2011	Member of the Editorial Board of Stress
Since 2012	Member of the Editorial Board of PLoS One
2013	Chair of the 45 <sup>th</sup> EBBS Meeting in Munich, Germany
Since 2013	Associate Editor of Frontiers in Behavioural Neurosciences
2014-2015	Co-Organizer of the joint EBBS/EWCBR winter conference
Since 2017	Chair and organizer of the Munich Winter Conference on Stress series

**Teaching experiences**

1998 – 2000 (Univ. Of Delaware, USA)	Basic lecture in animal physiology for 1 <sup>st</sup> year Bachelor students Tutor of 1 Bachelor thesis
2000-2004 (Univ. of Leiden, NL)	Lecture 'Hormones and the Pathophysiology of the Central Nervous System', 2 <sup>nd</sup> year Master students Course 'Stress and Depression', 4 <sup>th</sup> year Master students Tutor of 3 Master theses
2004-2010 (LMU, Munich, Germany)	Practical course and Lecture 'Basics in Zoology', 1 <sup>st</sup> year Master students Practical course 'Animal Physiology', 2 <sup>nd</sup> year Master students Lecture 'The biological basis of psychiatric and neurological diseases', 4 <sup>th</sup> year Master students Advanced literature seminar 'Biological basis of psychiatric disorders', 4 <sup>th</sup> year Master students

2010-present  
(LMU, GSN, IMPRS)

Laboratory internships for numerous Master students  
Three 'Research Internships in Science and Engineering' (RISE-program) for American exchange students  
Member of numerous Thesis Advisory Committees  
Lecturer of LMU, GSN and IMPRS seminars and practical courses

**References**

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References can be provided upon request.

## Publications

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### Research articles (IFs based on 2016)

1. Balsevich G, Häusl AS, Meyer CW, Karamihalev S, Feng X, Pöhlmann ML, Dournes C, Uribe-Marino A, Santarelli S, Labermaier C, Hafner K, Mao T, Breitsamer M, Theodoropoulou M, Namendorf C, Uhr M, Paez-Pereda M, Winter G, Hausch F, Chen A, Tschöp MH, Rein T, Gassen NC, **Schmidt MV**; Stress-responsive FKBP51 regulates AKT2-AS160 signaling and metabolic function; *Nature Communications* (2017), in press, **IF: 12.1**
2. Zimprich A, Niessing J, Cohen L, Garrett L, Einicke J, Sperling B, **Schmidt MV**, Hölter SM; Assessing sociability, social memory and pup retrieval in mice; *Current Protocols in Mouse Biology* (2017), in press
3. Wang XX, Li JT, Xie XM, Gu Y, Si TM, Schmidt MV, Wang XD; Nectin-3 modulates the structural plasticity of dentate granule cells and long-term memory; *Translational Psychiatry* (2017), 7(9):e1228, **IF: 4.7**
4. Metzger MW, Walser SM, Dedic N, Aprile-Garcia F, Jakubcakova V, Adamczyk M, Webb KJ, Uhr M, Refojo D, **Schmidt MV**, Friess E, Steiger A, Kimura M, Chen A, Holsboer F, Arzt E, Wurst W, Deussing JM; Heterozygosity for the mood disorder-associated 1 variant Gln460Arg alters P2X7 receptor function, sleep quality and stress vulnerability; *Journal of Neuroscience* (2017), in press, **IF: 6.0**
5. Santarelli S, Zimmermann C, Kalideris G, Lesuis SL, Arloth J, Uribe A, Dournes C, Balsevich G, Hartmann J, Masana M, Binder EB, Spengler D, **Schmidt MV**; An adverse early life environment can enhance stress resilience in adulthood; *Psychoneuroendocrinology* (2017), 78:213-221, **IF: 4.9**
6. Dedic N, Pöhlmann ML, Richter J, Mehta D, Czamara D, Metzger M, Dine J, Bedenk B, Hartmann J, Wagner KV, Jurik A, Almlı LM, Lori A, Moosmang S, Hofmann F, Wotjak CT, Rammes G, Eder M, Chen A, Ressler KJ, Wurst W, **Schmidt MV**, Binder EB, Deussing JM; Cross-disorder risk gene CACNA1C differentially modulates 1 susceptibility to psychiatric disorders during development and adulthood; *Molecular Psychiatry* (2017), in press, **IF: 13.2**
7. Emeny RT, Baumert J, Zannas AZ, Kunze S, Wahl S, Iurato S, Arloth J, Erhardt A, Balsevich G, **Schmidt MV**, Weber P, Kretschmer A, Pfeiffer L, Kruse J, Strauch K, Roden M, Herder C, Koenig W, Gieger C, Waldenberger M, Peters A, Binder EB, Ladwig KH; Anxiety Associated Increased CpG Methylation in the Promoter of Asb1: A translational approach evidenced by epidemiological and clinical studies and a murine model; *Neuropsychopharmacology* (2017), in press, **IF: 6.4**
8. Hartmann J, Dedic N, Pöhlmann ML, Häusl A, Karst H, Engelhardt C, Westerholz S, Wagner KV, Labermaier C, Hoeijmakers L, Kertokarijo M, Chen A, Joëls M, Deussing JM, **Schmidt MV**; Forebrain glutamatergic, but not GABAergic neurons mediate anxiogenic effects of the glucocorticoid receptor; *Molecular Psychiatry* (2017), 22(3):466-475, **IF: 13.2**

9. Uribe-Marino A, Gassen NC, Wiesbeck MF, Balsevich G, Santarelli S, Solfrank B, Dournes C, Fries GR, Masana M, Labermaier C, Wang XD, Hafner K, Schmid B, Rein T, Chen A, Deussing JM, **Schmidt MV**; Prefrontal cortex corticotropin-releasing hormone receptor 1 conveys acute stress-induced executive dysfunction; *Biological Psychiatry* (2016), 80(10):743-753., **IF: 11.4**
10. Matosin N, Fernandez-Enright F, Lum JS, Engel M, Andrews JL, Gassen NC, Wagner KV, **Schmidt MV**, Newell KA; Molecular evidence of synaptic pathology in the CA1 region in schizophrenia; *NPJ Schizophrenia* (2016), 2:16022
11. Wang XD, **Schmidt MV**; Editorial: Molecular mechanisms for reprogramming hippocampal development and function by early-life stress; *Frontiers in Molecular Neuroscience* (2016), 9:6, **IF: 5.1**
12. Balsevich G, Baumann V, Uribe A, Chen A, **Schmidt MV**; Prenatal Exposure to Maternal Obesity Alters Anxiety and Stress-Coping Behaviors in Aged Mice; *Neuroendocrinology* (2016), 103(3-4), **IF: 3.6**
13. Gassen NC, Fries GR, Zannas AS, Hartmann J, Zschocke J, Hafner K, Carrillo-Roa T, Steinbacher J, Preißinger SN, Hoeijmakers L, Knop M, Weber F, Kloiber S, Lucae S, Chrousos GP, Carell T, Ising M, Binder EB, **Schmidt MV**, Rüegg J, Rein T; Chaperoning epigenetics: FK506 Binding Protein 51 decreases DNA Methyltransferase 1 phosphorylation and activity; *Science Signalling* (2015), 8(404), **IF: 6.3**
14. Bellisario V, Panetta P, Balsevich G, Baumann V, Noble J, Raggi C, Nathan O, Berry A, Seckl J, **Schmidt M**, Holmes M, Cirulli F; Maternal high-fat diet acts as a stressor increasing maternal glucocorticoids' signaling to the fetus and disrupting maternal behavior and brain activation in C57BL/6J mice; *Psychoneuroendocrinology* (2015), 60:138-50, **IF: 4.8**
15. Santarelli S, Wagner KV, Labermaier C, Uribe AM, Dournes C, Balsevich G, Hartmann J, Masana M, Holsboer F, Chen A, Müller MB, **Schmidt MV**; SLC6A15, a novel stress vulnerability candidate, modulates anxiety and depressive like behavior: involvement of the glutamatergic system; *Stress* (2015), 19(1):83-90, **IF: 2.6**
16. Stepan J, Hladky F, Uribe A, Holsboer F, **Schmidt MV**, Eder M; High-Speed imaging reveals opposing effects of chronic stress and antidepressants on neuronal activity propagation through the hippocampal trisynaptic circuit; *Front. Neural Circuits* (2015), 9(70): 1-11; **IF: 3.0**
17. Yam KY, Naninck EF, **Schmidt MV**, Lucassen PJ, Korosi A; Early-life adversity programs emotional functions and the neuroendocrine stress system: the contribution of nutrition, metabolic hormones and epigenetic mechanisms; *Stress* (2015); 18(3):328-42; **IF: 2.6**
18. Santarelli S, Namendorf C, Anderzhanova E, Gerlach T, Bedenk B, Kaltwasser S, Wagner KV, Labermaier C, Reichel J, Drgonova J, Czisch M, Uhr M, **Schmidt MV**; The amino acid transporter SLC6A15 is a regulator of hippocampal neurochemistry and behavior; *Journal of Psychiatric Research* (2015); 68:261-9; **IF: 4.2**

19. Hartmann J, Wagner KV, Gaali S, Kirschner A, Kozany C, Rüter G, Dedic N, Häußl AS, Hoeijmakers L, Westerholz S, Namendorf C, Gerlach T, Uhr M, Chen A, Deussing J, Holsboer F, Hausch F, **Schmidt MV**; Pharmacological inhibition of the psychiatric risk factor FKBP51 has anxiolytic properties; *Journal of Neuroscience* (2015), 35(24):9007-16, **IF: 6.0**
20. Arloth J, Bogdan R, Weber P, Frishman G, Menke A, Wagner KV, **Schmidt MV**, Karbalai N, Czamara D, Müller-Myhsok B, Altmann A, Trübach D, Wurst W, Metha D, Uhr M, Klengel T, Erhardt A, Drabant EM, Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium (PGC), Ruepp A, Hariri AR, Binder EB; Genetically determined differences in the immediate transcriptome response to stress predict risk-related brain function and psychiatric disorders; *Neuron* (2015), 86(5):1189-202, **IF: 14.0**
21. Kohl C, Wang XD, Grosse J, Fournier C, Harbich D, Westerholz S, Li JT, Bacq A, Sippel C, Hausch F, Sandi C, **Schmidt MV**; Hippocampal neuroligin-2 links early-life stress with impaired social recognition and increased aggression in adult mice; *Psychoneuroendocrinology* (2015), 55:128-43, **IF: 4.8**
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26. Balsevich G, Namendorf C, Gerlach T, Uhr M, **Schmidt MV**; The bio-distribution of the antidepressant clomipramine is modulated by chronic stress in mice: effects on behavior; *Frontiers in Behavioral Neuroscience* (2014), 6:8:445, **IF: 3.1**
27. Gassen NC, Hartmann J, Zschocke J, Stepan J, Hafner K, Zellner A, Kirmeier T, Kollmannsberger L, Wagner KV, Dedic N, Balsevich G, Deussing JM, Kloiber S, Lucae S, Holsboer F, Eder M, Uhr M, Isig M, **Schmidt MV\***, Rein T\*; Association of FKBP51 with priming autophagy pathways and mediating antidepressant treatment

- response: Evidence in cells, mice and humans; *Plos Medicine* (2014), 11(11):e1001755, \*shared senior authorship, **IF: 14.0**
28. Yang XD, Liao XM, Uribe-Marino A, Lui R, Xie XM, Jia J, Su YA, Li JT, **Schmidt MV**, Wang XD, Si TM; Stress during a critical postnatal period induces region-specific structural abnormalities and dysfunction in the prefrontal cortex via CRF<sub>1</sub>; *Neuropsychopharmacology* (2014), 13;40(5):1203-15, **IF: 6.4**
29. Wagner KV, Hartmann J, Labermaier C, Häusl AS, Zhao G, Harbich D, Schmid B, Wang XD, Santarelli S, Kohl C, Gassen NC, Matosin N, Schieven M, Webhofer C, Turck CW, Lindemann L, Jaschke G, Wettstein JG, Rein T, Müller MB, **Schmidt MV**; Homer1/mGluR5 activity moderates vulnerability to chronic social stress; *Neuropsychopharmacology* (2014), 40(5):1222-33, **IF: 6.4**
30. Heinzmann JM, Kloiber S, Ebling-Mattos G, Bielohuby M, **Schmidt MV**, Palme R, Holsboer F, Uhr M, Ising M, Touma C; Mice selected for extremes in stress reactivity reveal key endophenotypes of major depression: A translational approach; *Psychoneuroendocrinology* (2014), 49:229-43, **IF: 4.8**
31. Sotnikov SV, Wittmann A, Bunck M, Bauer S, Deussing JM, **Schmidt MV**, Touma C, Landgraf R, Czibere L; Blunted HPA axis reactivity reveals central glucocorticoid system dysbalance in a mouse model of high anxiety-related behavior; *Psychoneuroendocrinology* (2014), 48:41-51, **IF: 4.8**
32. Masana M, Su YA, Liebl C, Wang XD, Jansen L, Westerholz S, Wagner KV, Labermaier C, Scharf SH, Santarelli S, Hartmann J, **Schmidt MV**, Rein T, Müller MB; The stress-inducible actin-interacting protein DRR1 shapes social behavior; *Psychoneuroendocrinology* (2014), 48:98-110, **IF: 4.8**
33. Labermaier C, Kohl C, Hartmann J, Devigny C, Altmann A, Weber P, Arloth J, Quast C, Wagner KV, Scharf SH, Czibere L, Widner-Andrä R, Brenndörfer J, Landgraf R, Hausch F, Jones KA, Müller MB, Uhr M, Holsboer F, Binder EB, **Schmidt MV**; A polymorphism in the *Crhr1* gene determines stress vulnerability in male mice; *Endocrinology* (2014), 155(7):2500-10, **IF: 4.3**
34. Santarelli S, Lesuis SL, Wang XD, Wagner KV, Hartmann J, Labermaier C, Scharf SH, Müller MB, Holsboer F, **Schmidt MV**; Evidence supporting the match/mismatch hypothesis of psychiatric disorders; *European Neuropsychopharmacology* (2014), 24(6):907-18, **IF: 4.2**
35. Balsevich G, Uribe A, Wagner KV, Hartmann J, Santarelli S, Labermaier C, **Schmidt MV**; The interplay between diet-induced obesity and chronic stress in mice: potential role of FKBP51; *Journal of Endocrinology* (2014), 222(1):15-26, **IF: 4.7**
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41. Kohl C, Riccio O, Grosse J, Zanoletti O, Fournier C, Klampfl SM, **Schmidt MV**, Sandi C; The interplay of conditional NCAM-knockout and chronic unpredictable stress leads to increased aggression in mice; *Stress* (2013); 16(6):647-54; **IF: 2.6**
42. Wagner KV, Häusl AS, Pöhlmann ML, Hartmann J, Labermaier C, Müller MB, **Schmidt MV**; Hippocampal Homer1 levels influence motivational behavior in an operant conditioning task; *PLoS One* (2013), 9(1):e85975, **IF: 2.8**
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46. Scharf SH, Sterlemann V, Liebl C, Müller MB, **Schmidt MV**; Chronic social stress during adolescence: Interplay of paroxetine treatment and ageing; *Neuropharmacology* (2013), 72C:38-46 **IF: 5.0**
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