

A
 Name: Mathias V. Schmidt
 Date of birth: 23rd of July, 1974
 Contact details: +49.89.30622.519 (phone)
 +49.89.30622.610 (fax)
mschmidt@psych.mpg.de
 ORCID iD: <http://orcid.org/0000-0002-3788-2268>



Education and training

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
 26th 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
 14th 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

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

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

Honours and Awards

2003 Winner of the Ph.D. contest of the Leiden/Amsterdam Center for Drug Research (LACDR)
 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	EBBS Early-Career 40 th Anniversary Award
2011	Ernst und Berta Scharrer Award of the Deutsche Gesellschaft für Endokrinologie
2014	<i>secundo loco</i> for the W2 professorship “Molecular Neurobiology and animal models of psychiatric disorders” at the LMU, Munich

Grants and external funding

2003	Postdoctoral stipend of the Max Planck Society (€22.000,-)
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; PI-specific funding €430.000,-
2010	GSN teaching grant; €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; PI-specific funding €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; PI-specific funding €200.000,-
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,-
2017-2020	BMBF grant to study the impact of early life stress on disease risk. Part of the “Kids2Health” consortium. PI-specific grant volume: €298.760,-
2018-2021	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,-
2018-2021	DFG grant to study the function of hippocampal calbindin neurons in mediating early life stress effects. PI-specific grant volume: €270.100,-
2018	Max Planck Innovations research grant; €18.000,-
2021-2024	BMBF VIP+ grant to develop FKBP51 inhibitors for the treatment of obesity-induced diabetes. PI-specific grant volume: €700.000,-
2021-2024	DFG grant to study the stress-responsive psychiatric risk factor FKBP51 as a novel central regulator of metabolic (dys)function. PI-specific grant volume: €197.000,-

Scientific memberships

Since 2002	Active member of the European Brain and Behaviour Society (EBBS) under the umbrella organization Federation of European Neuroscience Societies (FENS)
2008-2013	Member of the International Society of Psychoneuroendocrinology (ISPNE)
2008 - 2011	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 17 Bachelor theses, 22 Master theses and 25 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 th 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 th meeting of the German Neuroscience Society, Göttingen, Germany
2009	Organization of a satellite symposium at the 41 st annual meeting of the European Brain and Behaviour Society, Rhodes, Greece
2009	Organization of a symposium at the 9 th 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 th 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 th 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

2019-2021 President of the European Brain and Behaviour Society
 Since 2019 Section editor of European Journal of Neuroscience

Teaching experiences

1998 – 2000 Basic lecture in animal physiology for 1st year Bachelor students
 (Univ. Of Delaware, USA) Tutor of 1 Bachelor thesis

2000-2004 Lecture 'Hormones and the Pathophysiology of
 (Univ. of Leiden, NL) the Central Nervous System', 2nd year Master students
 Course 'Stress and Depression', 4th year Master students
 Tutor of 3 Master theses

2004-2010 Practical course and Lecture 'Basics in Zoology', 1st year Master
 (LMU, Munich, Germany) students
 Practical course 'Animal Physiology', 2nd year Master students
 Lecture 'The biological basis of psychiatric and neurological
 diseases', 4th year Master students
 Advanced literature seminar 'Biological basis of psychiatric
 disorders', 4th year Master students
 Laboratory internships for numerous Master students
 Three 'Research Internships in Science and Engineering' (RISE-
 program) for American exchange students
 2010-present Member of numerous Thesis Advisory Committees
 (LMU, GSN, IMPRS) Lecturer of LMU, GSN and IMPRS seminars and practical
 courses

References

References can be provided upon request.

Publications

Research articles

2021

1. Häusl AS, Brix LM, Hartmann J, Pöhlmann ML, Lopez JP, Menegaz D, Brivio E, Engelhardt C, Roeh S, Bajaj T, Rudolph L, Stoffel R, Hafner K, Gross HM, Reul JM, Deussing JM, Eder M, Ressler KJ, Gassen NC, Chen A, **Schmidt MV**; The co-chaperone Fkbp5 shapes the acute stress response in the paraventricular nucleus of the hypothalamus of male mice. *Molecular Psychiatry* (2021), in press

2020

2. Van Doeselaar L, Yang H, Bordes J, Brix L, Engelhardt C, Tang F, Schmidt MV; Chronic social defeat stress in female mice leads to sex-specific behavioral and neuroendocrine effects. *Stress* (2020). In press.
3. Schraut KG, Kalnytska O, Lamp D, Jastroch M, Eder M, Hausch F, Gassen NC, Moore S, Nagaraj N, Lopez JP, Chen A, **Schmidt MV**; Loss of the psychiatric risk factor SLC6A15 is associated with increased metabolic functions in primary hippocampal neurons. *European Journal of Neuroscience* (2020). In press.
4. Lopez JP, Brivio E, Santambrogio A, De Donno C, Kos A, Peters M, Rost N, Czamara D, Brückl TM, Roeh S, Pöhlmann ML, Engelhardt C, Ressler A, Stoffel R, Tontsch A, Villamizar JM, Reincke M, Riester A, Sbiera S, Fassnacht M, Mayberg HS, Craighead WE, Dunlop BW, Nemeroff CB, **Schmidt MV**, Binder EB, Theis FJ, Beuschlein F, Andoniadou CL, Chen A; The neuroendocrine stress response at single-cell resolution reveals adrenal ABCB1 as key regulator of stress adaptation. *Science Advances* (2020). In press.
5. Engelhardt C, Boulat B, Czisch M, **Schmidt MV**; Lack of FKBP51 shapes brain structure and connectivity in male mice. *Journal of Magnetic Resonance Imaging* (2020). In press.
6. Karamihalev S, Brivio E, Flachskamm C, Stoffel R, **Schmidt MV**, Chen A: Social dominance mediates behavioral adaptation to chronic stress in a sex-dependent manner. *eLife* (2020). In press.
7. Wang C, Kun L, Wu ZZ, Yu JY, Gong Q, Wu C, Liu H, Fang P, Wang XX, Hu J, Pan BX, **Schmidt MV**, Liu YJ, Wang XD; Tactile modulation of memory and anxiety requires dentate granule Cells along the dorsoventral axis. *Nature Communications* (2020). In press.
8. Bonapersona V, Hoijsink H, Abbinck M, Baram TZ, Bolton JL, Bordes J, Knop J, Korosi A, Krugers H, Li JT, Naninck E, van Reemst K, Ruigrok S, **Schmidt MV**, Umeoka EHL, Walker CD, Wang XD, Yam K, Joëls M, Sarabdjitsingh RA; RePAIR: a power solution to animal experimentation. *Nature Neuroscience* (2020). In press.

9. Schriever SC, Kabra DG, Pfuhlmann K, Baumann P, Baumgart EV, Nagler J, Seebacher F, Harrison L, Irmeler M, Kullmann S, Corrêa-da-Silva F, Giesert F, Jain R, Schug H, Castel J, Martinez S, Wu M, Häring HU, Hrabe de Angelis M, Beckers J, Müller TD, Stemmer K, Wurst W, Rozman J, Nogueiras R, De Angelis M, Molkentin JD, Krahmer N, Yi CX, **Schmidt MV**, Luquet S, Heni M, Tschoep MH, Pfluger PT; Type 2 diabetes risk gene *Dusp8* regulates hypothalamic Jnk signaling and insulin sensitivity; *J Clin Invest* (2020). in press
10. Anderzhanova E, Hafner K, Genewsky AJ, Soliman A, Pöhlmann ML, **Schmidt MV**, Blum R, Wotjak CT, Gassen NC; The stress susceptibility factor FKBP51 controls S-ketamine-evoked release of mBDNF in the prefrontal cortex of mice; *Neurobiology of Stress*, in press,
11. Vinkers CH, van Amelsvoort T, Bisson JI, Branchi I, Cryan JF, Domschke K, Manchia M, Pinto L, de Quervain D, **Schmidt MV**, van der Wee N; Stress resilience during the coronavirus pandemic; *European Neuropsychopharmacology*, in press,

2019

12. Dedic N, Kühne C, Gomes KS, Hartmann J, Ressler JK, **Schmidt MV**, Deussing JM; Deletion of CRH from GABAergic forebrain neurons promotes stress resilience and dampens stress-induced changes in neuronal activity; *Frontiers in Neuroscience* (2019), 13:986
13. Zimmermann CA, Arloth J, Santarelli S, Löscher A, Weber P, **Schmidt MV**, Spengler D, Binder EB; Stress dynamically regulates co-expression networks of glucocorticoid receptor-dependent MDD and SCZ risk genes; *Translational Psychiatry* (2019), 9(1):41
14. van Weert LTC, Buurstede JC, Sips HCM, Vettorazzi S, Mol IM, Hartmann J, Prekovic S, Zwart W, **Schmidt MV**, Roozendaal B, Tuckermann JP, Sarabdjitsingh RA, Meijer OC; Identification of mineralocorticoid receptor target genes in the mouse hippocampus; *Journal of Neuroendocrinology* (2019), 31(8):e12735

2018

15. Pöhlmann ML, Häusl AS, Harbich D, Balsevich G, Engelhardt C, Feng X, Breitsamer M, Hausch F, Winter G, **Schmidt MV**; Pharmacological modulation of the psychiatric risk factor FKBP51 alters efficiency of common antidepressant drugs (2018); *Frontiers in Behavioural Neuroscience*, 12:262
16. Engel M, Eggert C, Kaplick PM, Eder M, Röh S, Tietze L, Namendorf C, Arloth J, Weber P, Rex-Haffner M, Geula S, Jakovcevski M, Hanna JH, Leshkowitz D, Uhr M, Wotjak CT, **Schmidt MV**, Deussing JM, Binder EB, Chen A; The role of m6A/m-RNA methylation in stress response regulation; *Neuron* (2018), 99(2):389-403
17. Masana M, Westerholz S, Kretschmar A, Treccani G, Liebl C, Santarelli S, Dournes C, Popoli M, **Schmidt MV**, Rein T, Müller MB; Expression and glucocorticoid-dependent regulation of the stress-inducible protein DRR1 in the mouse adult brain; *Brain Structure and Function* (2018), 223(9):4039-4052

18. Dedic N, Kühne C, Jakovcevski M, Hartmann J, Genewsky A, Gomes KS, Anderzhanova E, Pöhlmann M, Chang S, Kolarz A, Vogl AM, Dine J, Metzger MW, Schmid B, Almada RC, Ressler KJ, Wotjak CT, Grinevich V, Chen A, **Schmidt MV**; Wurst W, Refojo D, Deussing JM; Chronic CRH depletion from GABAergic, long-range projection neurons in the extended amygdala reduces dopamine release and increases anxiety; *Nature Neuroscience* (2018), 21(6):803-807
19. Maiaru M, Morgan OB, Mao T, Breitsamer M, Bamber H, Pöhlmann ML, **Schmidt MV**, Winter G, Hausch F, Geraton SM; The stress regulator FKBP51: a novel and promising druggable target for the treatment of persistent pain states across sexes; *Pain* (2018), 159(7):1224-1234
20. Pillai AG, Arp M, Velzing E, Lesuis SL, **Schmidt MV**, Holsboer F, Joels M, Krugers HJ; Early life stress determines the effects of glucocorticoids and stress on hippocampal function: electrophysiological and behavioral evidence respectively; *Neuropharmacology* (2018), 133:307-318
21. Gong Q, Su YA, Si TM, Deussing JM, **Schmidt MV**, Wang XD; Chronic Stress Reduces Nectin-1 mRNA Levels and Disrupts Dendritic Spine Plasticity in the Adult Mouse Perirhinal Cortex; *Frontiers in Cellular Neuroscience* (2018), 12:67
22. 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* (2018), 8(1):1725
23. Dedic N, Pöhlmann ML, Richter J, Mehta D, Czamara D, Metzger M, Dine J, Bedenk B, Hartmann J, Wagner KV, Jurik A, Almlil 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* (2018), 23(3):533-543
24. 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* (2018), 43(2):342-353

2017

25. Li JT, Xie XM, Yu JY, Sun YX, Liao XM, Wang XX, Su YA, Liu YJ, **Schmidt MV**, Wang XD, Si TM; Suppressed Calbindin Levels in Hippocampal Excitatory Neurons Mediate Stress-Induced Memory Loss; *Cell Reports* (2017), 21(4):891-900
26. Carrillo-Roa T, Labermaier C, Weber P, Herzog DP, Lareau C, Santarelli S, Wagner KV, Rex-Haffner M, Harbich D, Scharf SH, Nemeroff CB, Dunlop BW, Craighead WE, Mayberg HS, **Schmidt MV**, Uhr M, Holsboer F, Sillaber I, Binder EB, Müller

- MB; Common genes associated with antidepressant response in mouse and man identify key role of glucocorticoid receptor sensitivity; *Plos Biology* (2017), 15(12):e2002690
27. Zimprich A, Niessing J, Cohen L, Garrett L, Einicke J, Sperling B, **Schmidt MV**, Höltner SM; Assessing sociability, social memory and pup retrieval in mice; *Current Protocols in Mouse Biology* (2017), 7(7):287-305
28. 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
29. 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), 37(48):11688-11700
30. 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
31. 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

2016

32. 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
33. 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
34. Wang XD, **Schmidt MV**; Editorial: Molecular mechanisms for reprogramming hippocampal development and function by early-life stress; *Frontiers in Molecular Neuroscience* (2016), 9:6
35. 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)

2015

36. 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)
37. 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
38. 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
39. 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
40. 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):328-342
41. 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); 68:261-269
42. 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):9007-9016
43. 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):1189-1202
44. 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 neurotrophin-2 links early-life stress with impaired social recognition and increased aggression in adult mice; *Psychoneuroendocrinology* (2015), 55:128-43

45. Gassen NC, Hartmann J, Zannas AS, Kretzschmar A, Zschocke J, Maccarrone G, Hafner K, Zellner A, Kollmannsberger LK, Wagner KV, Metha D, Kloiber S, Turck CW, Lucae S, Chrousos GP, Holsboer F, Binder EB, Ising M, **Schmidt MV**, Rein T; FKBP51 inhibits GSK3 β and augments the effects of distinct psychotropic medications; *Molecular Psychiatry* (2015), 21(2):277-89
46. Gaali S, Kirschner A, Cuboni S, Hartmann J, Kozany C, Balsevich G, Namendorf C, Fernandez-Vizarra P, Almeida OFX, R  ther G, Uhr M, **Schmidt MV**, Touma C, Bracher A, Hausch F; Selective inhibitors for the psychiatric risk factor FKBP51 enabled by an induced-fit mechanism; *Nature Chemical Biology* (2015), 11(1):33-7
47. Schmidt U, Buell DR, Ionescu IA, Holsboer F, Cox MB, Novak B, Huber C, Hartmann J, Binder EB, **Schmidt MV**, Touma C, Rein T, Herrmann L; A role for synapsin in FKBP51 modulation of stress responsiveness: convergent evidence from animal and human studies; *Psychoneuroendocrinology* (2015), 52:43-58
48. Masana M, Jukic MM, Kretzschmar A, Wagner KV, Westerholz S, **Schmidt MV**, Rein T, Brodski C, M  ller MB; Deciphering the spatio-temporal expression and stress regulation of Fam107B, the paralog of the resilience-promoting protein DRR1 in the mouse brain; *Neuroscience* (2015), 290:147-58

2014

49. 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
50. 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, Ising 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
51. 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 CRF₁; *Neuropsychopharmacology* (2014), 13;40(5):1203-1215
52. Wagner KV, Hartmann J, Labermaier C, H  usl 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, M  ller MB, **Schmidt MV**; Homer1/mGluR5 activity moderates vulnerability to chronic social stress; *Neuropsychopharmacology* (2014), 40(5):1222-33
53. 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), 49:229-243

54. 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
55. 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
56. 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):2500-2510
57. 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):907-918
58. 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
59. Sotnikov SV, Chekmareva NY, Schmid B, Harbich D, Malik V, Bauer S, Kuehne C, Markt PO, Deussing JM, **Schmidt MV**, Landgraf R; Enriched environment impacts trimethylthiazoline-induced anxiety-related behavior and immediate early gene expression: critical role of *Crhr1*; *European Journal of Neuroscience* (2014), 40(4):2691-2700
60. Hoeijmakers L, Harbich D, Schmid B, Lucassen PJ, Wagner KV, **Schmidt MV**, Hartmann J; FKBP51 shapes HPA axis (re-)activity in female mice; *PLoS One* (2014), 9(4):e95796
61. Liao XM, Yang XD, Jiao J, Li JT, Xie XM, Su YA, **Schmidt MV**, Si TM, Wang XD; Blockade of CRHR1 attenuates early-life stress-induced synaptic abnormalities in neonatal hippocampus; *Hippocampus* (2014), 24(5):528-540
62. Iozzo P, Holmes M, **Schmidt MV**, Cirulli F, Guzzardi MA, Berry A, Balsevich G, Andreassi MG, Wesselink JJ, Liistro T, Gómez-Puertas P, Eriksson J, Seckl J. Developmental ORIGins of Healthy and Unhealthy AgeiNg: The Role of Maternal Obesity - Introduction to DORIAN; *Obes Facts.* (2014); 7(2):130-151

2013 and earlier

63. Wang XD, Su YA, Wagner KV, Avrabos C, Scharf SH, Hartmann J, Wolf M, Liebl C, Kühne C, Wurst W, Holsboer F, Eder M, Deussing JM, Müller MB, **Schmidt MV**; Nectin-3 links CRHR1 signaling to stress-induced memory deficits and spine loss; *Nature Neuroscience* (2013), 16(6):706-13

64. 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
65. 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
66. Albu S, Romanowski CPN, Curzi ML, Jakubcakova V, Flachskamm C, Gassen NC, Hartmann J, **Schmidt MV**, Schmidt U, Rein T, Holsboer F, Hausch F, Paez-Pereda M, Kimura M; Deficiency of FK506-binding protein (FKBP) 51 alters sleep architecture and recovery sleep responses to stress in mice; *Journal of Sleep Research* (2013), 23(2):176-85
67. Kollmannsberger LK, Gassen NC, Bultmann A, Hartmann J, Weber P, **Schmidt MV**, Rein T; Increased Glyoxalase-1 Levels in Fkbp5 Knock-Out Mice Caused by Glyoxalase-1 Gene Duplication; *G3* (2013), 3(8):1311-1313
68. Maurin H, Seymour CM, Lechat B, Borghgraef P, Devijver H, Jaworski T, **Schmidt MV**, Kügler S, Van Leuven F; Tauopathy differentially affects Cell Adhesion Molecules in mouse brain: Early down-regulation of Nectin-3 in Stratum Lacunosum Moleculare; *PLoS One* (2013), 8(5):e63589
69. 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
70. Wagner KV, Hartmann J, Mangold K, Wang XD, Labermaier C, Liebl C, Wolf M, Gassen NC, Holsboer F, Rein T, Müller MB, **Schmidt MV**; Homer1 mediates acute stress-induced cognitive deficits in the dorsal hippocampus; *The Journal of Neuroscience* (2013), 33(9): 3857-3864
71. Kohl C, Riccio O, Grosse J, Zanoletti O, Fournier C, **Schmidt MV**, Sandi C; Hippocampal neuroligin-2 overexpression leads to reduced aggression and inhibited novelty reactivity in rats; *PLoS One* (2013), 8(2):e56871
72. Di Benedetto B, Radecke J, **Schmidt MV**, Rupprecht R; Acute antidepressant treatment differently modulates ERK/MAPK activation in neurons and astrocytes of the adult mouse prefrontal cortex; *Neuroscience*, 232:161-8
73. Wagner KV, Marinescu D, Hartmann J, Wang XD, Labermaier C, Scharf SH, Liebl C, Uhr M, Holsboer F, Müller MB, **Schmidt MV**; Differences in FKBP51 Regulation Following Chronic Social Defeat Stress Correlate with Individual Stress Sensitivity: Influence of Paroxetine Treatment; *Neuropsychopharmacology* (2012), 37(13):2797-2808
74. Hartmann J, Wagner KV, Dedic N, Marinescu D, Scharf SH, Wang XD, Deussing JM, Hausch F, Rein T, Schmidt U, Holsboer F, Müller MB, **Schmidt MV**; Fkbp52 heterozygosity alters behavioral, endocrine and neurogenetic parameters under basal and chronic stress conditions in mice; *Psychoneuroendocrinology* (2012), 37(12): 2009-2021

75. Ganea K, Menke A, **Schmidt MV**, Lucae S, Rammes G, Liebl C, Harbich D, Sterlemann V, Storch C, Uhr M, Holsboer F, Binder EB, Sillaber I, and Müller MB; Convergent animal and human evidence suggests the activin/inhibin pathway to be involved in antidepressant response; *Translational Psychiatry* (2012), 2:e177
76. Wang XD, Labermaier C, Holsboer F, Wurst W, Deussing JM, Müller MB, **Schmidt MV**; Early-Life Stress-Induced Anxiety-Related Behavior in Adult Mice Partially Requires Forebrain Corticotropin-Releasing Hormone Receptor 1; *European Journal of Neuroscience* (2012), 36(3): 2360-2367
77. **Schmidt MV**, Schülke JP, Liebl C, Stuess M, Avrabos C, Bock M, Wochnik GM, Davies HA, Zimmermann N, Scharf SH, Trümbach D, Wurst W, Zieglgänsberger W, Turck C, Holsboer F, Stewart M, Bradke F, Eder M, Müller MB, Rein T; The tumor suppressor DRR1 is a stress-induced actin bundling factor that modulates synaptic efficacy and cognition; *Proceedings of the National Academy of Sciences* (2011), 108(41):17213-8
78. Wang XD, Rammes G, Kraev I, Wolf M, Liebl C, Scharf SH, Rice C, Wurst W, Holsboer F, Deussing JM, Baram TZ, Stewart M, Müller MB, and **Schmidt MV**; Forebrain CRF1 Modulates Early Life Stress-Programmed Cognitive Deficits; *The Journal of Neuroscience* (2011), 31(38):13625-13634
79. Hartmann J, Wagner KV, Liebl C, Scharf SH, Wang XD, Wolf M, Hausch F, Rein T, Schmidt U, Touma C, Cheung-Flynn J, Cox MB, Smith DF, Holsboer F, Müller MB, **Schmidt MV**; The involvement of FK506-binding protein 51 (FKBP5) in the behavioral and neuroendocrine effects of chronic social defeat stress; *Neuropharmacology* (2011), 62(1):332-9
80. Touma C, Gassen NC, Herrmann L, Flynn J, Büll DR, Ionescu IA, Heinzmann JM, Knapman A, Siebertz A, Depping AM, Hartmann J, Hausch F, **Schmidt MV**, Holsboer F, Ising M, Cox M, Schmidt U, Rein T; FKBP5 shapes stress responsiveness: Modulation of neuroendocrine reactivity and coping behavior; *Biological Psychiatry* (2011), 70(10):928-36
81. Kohli MA, Lucae S, Saemann PG, **Schmidt MV**, Demirkan A, Hek K, Roeske D, Alexander M, Salyakina D, Ripke S, Hoehn D, Specht M, Menke A, Hennings J, Heck A, Ising M, Schreiber S, Czisch M, Müller MB, Uhr M, Bettecken, Becker A, Schramm J, Rietschel M, Maier W, Bradley B, Ressler KJ, Nöthen, Cichon S, Hofman A, Tiemeier H, van Duijn CM, Holsboer F, Müller-Myhsok B, Binder EB; The neuronal transporter gene SLC6A15 confers risk to major depression; *Neuron* (2011) 70(2):252-65
82. Wang XD, Chen Y, Wolf M, Wagner KV, Liebl C, Scharf SH, Harbich D, Mayer B, Wurst W, Holsboer F, Deussing JM, Baram TZ, Müller MB, and **Schmidt MV**; Forebrain CRHR1 Deficiency Attenuates Chronic Stress-Induced Cognitive Deficits and Dendritic Remodeling; *Neurobiology of Disease* (2011), 42(3):300-10
83. Scharf SH, Liebl C, Binder EB, **Schmidt MV**, Müller MB; Expression and regulation of the *fkbp5* gene in the adult mouse brain; *PlosOne* (2011), 9;6(2)

84. Wagner KV, Wang XD, Liebl C, Scharf SH, Müller MB, **Schmidt MV**; Pituitary glucocorticoid receptor deletion reduces vulnerability to chronic stress; *Psychoneuroendocrinology* (2011), 36(4):579-87
85. **Schmidt MV**, Trümbach D, Weber P, Wagner K, Scharf SH, Liebl C, Datson N, Namendorf C, Gerlach T, Kühne C, Uhr M, Deussing JM, Wurst W, Binder EB, Holsboer F, Müller MB; Individual stress vulnerability is predicted by short-term memory and AMPA receptor subunit ratio in the hippocampus; *The Journal of Neuroscience* (2010), 30(50): 16949-58
86. Deussing JM, Breu J, Kühne C, Kallnik M, Bunck M, Glasl L, Yen YC, **Schmidt MV**, Zurmühlen R, Vogl AM, Gailus-Durner V, Fuchs H, Hölter SM, Wotjak CT, Landgraf R, de Angelis MH, Holsboer F, Wurst W; Urocortin 3 modulates social discrimination abilities via corticotropin-releasing hormone receptor type 2; *The Journal of Neuroscience* (2010), 30(27):9103-16
87. **Schmidt MV**, Scharf SH, Liebl C, Harbich D, Bayer B, Holsboer F, Müller MB; A novel chronic stress paradigm in female mice; *Hormones and Behavior* (2010), 57(4-5):415-20
88. Grünecker B, Kaltwasser S, Peterse Y, Sämann P, **Schmidt MV**, Wotjak C, Czisch M; Fractionated Manganese Injections: Effects on MRI Contrast Enhancement and Physiological Measures in C57BL/6 Mice; *NMR in Biomedicine* (2010), 23(8):913-21
89. Enthoven L, **Schmidt MV**, Cheung YH, van der Mark MH, de Kloet ER, Oitzl MS; Ontogeny of the HPA axis of the CD1 mouse following 24h maternal deprivation at pnd 3; *Int. J. Dev. Neurosci.* (2010), 28(2):217-24
90. **Schmidt MV**, Scharf SH, Sterlemann V, Ganea K, Liebl C, Holsboer F and Müller MB; High susceptibility to chronic social stress is associated with a depression-like phenotype; *Psychoneuroendocrinology* (2010), 35(5):635-43
91. Sterlemann V, Rammes G, Liebl C, Ganea K, Müller MB and **Schmidt MV**; Cognitive impairment in aged mice following chronic social stress during adolescence; *Hippocampus* (2010), 20(4):540-9
92. Liebl C, Panhuysen M, Pütz B, Trümbach D, Wurst W, Deussing JM, Müller MB and **Schmidt MV**; Gene expression profiling following maternal deprivation: involvement of the brain renin-angiotensin system; *Frontiers in Molecular Neuroscience* (2009), 2:1
93. Greetfeld M, **Schmidt MV**, Ganea K, Sterlemann V, Liebl C and Müller MB; A single episode of restraint stress regulates central CRH receptor expression and binding in specific areas of the mouse brain; *Journal of Neuroendocrinology* (2009), 21(5):473-80
94. **Schmidt MV**, Sterlemann V, Wagner K, Niederleitner B, Ganea K, Liebl C, Deussing JM, Berger S, Schütz G, Holsboer F and Müller MB; Postnatal glucocorticoid excess due to pituitary glucocorticoid receptor deficiency: differential short- and long-term consequences; *Endocrinology* (2009), 150(6):2709-16

95. **Schmidt MV**, Czisch M, Sterlemann V, Reinel C, Sämann P and Müller MB; Chronic social stress during adolescence in mice increases visceral fat in late life: Prevention by antidepressant treatment; *Stress* (2009) 12(1):89-94
96. Sterlemann V, Ganea K, Liebl C, Harbich D, Alam S, Holsboer F, Müller MB and **Schmidt MV**; Long-term behavioral and neuroendocrine alterations following chronic social stress in mice: implications for stress-related disorders; *Hormones and Behavior* (2008) 53: 386-94
97. **Schmidt MV**, Liebl C, Sterlemann V, Ganea K, Hartmann J, Harbich D, Alam S and Müller MB; Neuropeptide Y mediates the initial hypothalamic-pituitary-adrenal response to maternal separation in the neonatal mouse; *Journal of Endocrinology* (2008) 197(2):421-7
98. **Schmidt MV**, Sterlemann V, Ganea K, Liebl C, Alam S, Harbich D, Greetfeld M, Uhr M, Holsboer F and Müller MB; Persistent neuroendocrine and behavioral effects of a novel, etiologically relevant mouse paradigm for chronic social stress during adolescence; *Psychoneuroendocrinology*,(2007), 32: 417-29
99. **Schmidt MV**, Oitzl MS, Steenbergen P, Lachize S, Wurst W, Müller MB, de Kloet ER and Meijer OC; Ontogeny of steroid receptor coactivators in the hippocampus and their role in regulating postnatal HPA axis function; *Brain Research* (2007) 1174: 1-6
100. Ganea K, Liebl C, Sterlemann V, Müller MB and **Schmidt MV**; Pharmacological validation of a novel home cage activity counter in mice; *Journal of Neuroscience Methods* (2007), 162: 180-6
101. **Schmidt MV**, Deussing JM, Oitzl MS, Ohl F, Levine S, Wurst W, Holsboer F, Müller MB, de Kloet ER; Differential disinhibition of the neonatal hypothalamic-pituitary-adrenal axis in brain specific CRH receptor 1 knock out mice; *European Journal of Neuroscience* (2006), 24(8):2291-8
102. **Schmidt MV**, Levine S, Alam S, Harbich D, Sterlemann V, Ganea K, de Kloet ER, Holsboer F, M.B. Müller; Metabolic signals modulate hypothalamic-pituitary-adrenal axis activation during maternal separation of the neonatal mouse; *Journal of Neuroendocrinology* (2006), 18(11):865-74
103. **Schmidt MV**, Levine S, Oitzl MS, van der Mark M, Müller MB, Holsboer F and de Kloet ER; Glucocorticoid receptor blockade disinhibits pituitary-adrenal activity during the stress hypo-responsive period of the mouse; *Endocrinology*, 2005, Vol 146 (1458-1464)
104. **Schmidt MV**, Enthoven L, van Woezik JHG, Levine S, de Kloet ER and Oitzl MS; The dynamics of the hypothalamic-pituitary-adrenal axis during maternal deprivation; *Journal of Neuroendocrinology*, 2004, Vol 16 (52-57)
105. **Schmidt MV**; Seelische Narben auf molekularer Ebene: Digitale Bildanalyse bei der Suche nach neuartigen Antidepressiva; *BioSpectrum*, 2004, Vol 10 (582-583)

106. **Schmidt MV**, Oitzl MS, Mueller MB, Ohl F, Wurst W, Holsboer F, Levine S and de Kloet ER; Regulation of the developing hypothalamic-pituitary-adrenal axis in CRH receptor 1 deficient mice; *Neuroscience*, 2003, Vol 119 (589-595)
107. **Schmidt MV**, Enthoven L, van der Mark M, Levine S, de Kloet ER and Oitzl MS; The postnatal development of the hypothalamic-pituitary-adrenal axis in the mouse; *International Journal of Developmental Neuroscience*, 2003, Vol 21 (125-132)
108. **Schmidt MV**, Oitzl MS, Levine S and de Kloet ER; The HPA system during the postnatal development of CD1 mice and the effects of maternal deprivation; *Developmental Brain Research*, 2002, Vol 139 (39-49)
109. Okimoto DK, Blaus A, **Schmidt MV**, Gordon MK, Dent GW and Levine S; Differential expression of c-fos and tyrosine hydroxylase mRNA in the adrenal gland of the infant rat: evidence for an adrenal hyporesponsive period; *Endocrinology*, 2002, Vol 143/5 (1717-25)
110. **Schmidt MV**, Okimoto DK, Dent GW, Gordon MK and Levine S; Maternal regulation of the hypothalamic-pituitary-adrenal axis in the 20-day-old rat: consequences of laboratory weaning; *Journal of Neuroendocrinology*, 2002, Vol 14 (1-13)

Reviews

1. Häusl, AS, Gassen NC, Balsevich G, **Schmidt MV**; Focus on FKBP51: A molecular link between stress and metabolic disorders; *Molecular Metabolism* (2019), 29:170-181
2. Balsevich G, Abizaid A, Chen A, Karatsoreos IN, **Schmidt MV**; Stress and Glucocorticoid Modulation of Feeding and Metabolism; *Neurobiology of Stress* (2019), 11:100171
3. Richter-Levin G, Stork O, **Schmidt MV**; Animal models of PTSD – A challenge to be met; *Molecular Psychiatry* (2018), 24(8):1135-1156
4. Schmidt MV, Chen A; Stress at its best: the 1st Munich Winter Conference On Stress (2018); *Stress*, 21(5):382-383
5. Gassen NC, Hartmann J, **Schmidt MV**, Rein T; FKBP5/FKBP51 enhances autophagy to synergize with antidepressant action; *Autophagy* (2015), 11(3):578-80
6. **Schmidt MV**, Abraham WC, Maroun M, Stork O, Richter-Levin G; Stress-induced metaplasticity: from synapses to behavior; *Neuroscience* (2013), 250:112-20
7. **Schmidt MV**, Paez-Pereda M, Holsboer F, Hausch F; The Prospect of FKBP51 as Drug Target; *ChemMedChem* (2012), 7(8):1351-9

8. Nederhof E, **Schmidt MV**; Mismatch or cumulative stress: Towards an integrated hypothesis of programming effects; *Physiology and Behavior* (2012), 106(5):691-700
9. Scharf SH, **Schmidt MV**; Animal models of stress vulnerability and resilience in translational research; *Current Psychiatry Reports* (2012), 14(2):159-65
10. Branchi I, **Schmidt MV**; In search of the biological basis of mood disorders: Exploring out of the mainstream; *Psychoneuroendocrinology* (2011), 36(3):305-7
11. **Schmidt MV**, Wang XD, Meijer OC; Early life stress paradigms in rodents: potential animal models of depression?; *Psychopharmacology* (2011), 214(1):131-40
12. Kalueff AV, **Schmidt MV**; Novel experimental models and paradigms for neuropsychiatric disorders: Editorial; *Progress in Neuropsychopharmacology and Biological Psychiatry* (2011), 35(6):1355-6
13. **Schmidt MV**; Animal models for depression and the mismatch hypothesis of disease; *Psychoneuroendocrinology* (2011), 36(3):330-8
14. **Schmidt MV**; Molecular mechanisms of early life stress—lessons from mouse models; *Neuroscience & Biobehavioral Reviews* (2010), 34(6):845-52
15. **Schmidt MV**, Sterlemann V and Müller MB; Chronic stress and individual vulnerability; *Annals of the New York Academy of Sciences* (2008) 1148:174-83
16. **Schmidt MV** and Müller MB; Animal models of anxiety; *Drug Discovery Today: Disease Models* (2006), 3(4):369-74
17. De Kloet ER, Sibug RM, Helmerhorst FM, **Schmidt MV**; Stress, genes and the mechanism of programming the brain for later life; *Neuroscience and Biobehavioral Reviews* (2005), Vol 29 (271–281)

Book chapters

1. Hartmann J and **Schmidt MV**; Stress Resilience as a Consequence of Early Life Adversity; In: Chen A (editor), “Stress Resilience”, Elsevier Science, Amsterdam, The Netherlands (2020)
2. **Schmidt MV**; Stress-Hyporesponsive Period; In: Fink G et al (eds) *Stress Physiology, Biochemistry, and Pathology* Volume 3 of the *Handbook of Stress Series*, 2018
3. **Schmidt MV**, Wagner KV, Wang XD, Balsevich G; Modeling stress-related mood disorders in animals; In: Russell JA and Shipston MJ (eds) *International Neuroendocrine Federation Masterclass Series, Volume 1: Neuroendocrinology of Stress* (2014)
4. De Kloet ER, **Schmidt MV**, Meijer OC; Corticosteroid receptors and HPA axis regulation; In: Steckler T, Kalin NH, Reul JMHM (eds) *Handbook on stress, immunology and behavior* (2005) Elsevier Science, Amsterdam, The Netherlands

5. Levine S, Dent G, de Kloet ER, **Schmidt MV**; Stress-Hyporesponsive Period; In: Fink G et al (eds) Encyclopedia of Stress, Second Edition (2005)