
Curriculum Vitae

Ming Li

Current Position: *Susan J Rosowski* Associate Professor of Psychology
Adviser: the Neuroscience and Behavior program

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Google Scholar <http://scholar.google.com/citations?user=jxpWKGAAAAAJ&hl=en>

Areas of Research Interests:

Psychopharmacology of Antipsychotic Drugs, Neurobiology of Rodent Maternal Behavior, Animal Models of Schizophrenia, Anxiety and Depression, Co-morbidity of Substance Use and Schizophrenia

Positions and Employment

August 2015 - Present	<i>Susan Rosowski</i> Associate Professor of Psychology
2011 – Present	Associate Professor of Psychology (with tenure), University of Nebraska-Lincoln, USA
2005 – 2011	Assistant Professor of Psychology, University of Nebraska-Lincoln, USA
1991 – 1993	Lecturer in Psychology at Leshan Teachers College, China

Education

2002-July, 2005	Postdoctoral Fellow Centre for Addiction and Mental Health, Toronto, Canada Supervisors: Professor Shitij Kapur, and Dr. Paul J. Fletcher
1996-2002	Ph.D. Department of Psychology, University of Toronto, Canada Supervisor: Professor Alison S. Fleming

- 1993-1996 M.S.
Department of Psychology, Beijing University, Beijing, China
Supervisor: Professor Xiao Jian
- 1987-1991 B.S.
Department of Psychology, Beijing University, Beijing, China

Awards and Honors

- 2015 College of Arts and Sciences Outstanding Research and Creative Activity Award
- 2013- Fellow, American Psychological Association Div. 6.
- 2014- Fellow, American Psychological Association Div. 28.
- 2014- Fellow, Midwestern Psychological Association
- 2006-2007 Recipient of the UNL Parents Association “*Certificate of Recognition for Contributions to Students*”
- 2002-2005 Ontario Mental Health Foundation Postdoctoral Fellowship
- 2004 D. G. Marquis Behavioral Neuroscience Award for the best paper published in *Behavioral Neuroscience*.

Extramural Grants

Active

1. Title: “Functional Characterization of a Causative Gene for Intellectual Disability”
Role: **Co-Investigator (0.45 month/year, PI: Woo-Yang Kim at UNMC)**
Agency: NINDS
Type: **1 R01 NS091220-01**
Period: 03/01/2015-02/29/2020
Direct cost: \$1,250,000

2. Title: “Adolescence neurogenesis mechanisms of antipsychotic sensitization and tolerance”
Role: **Principal Investigator**
Agency: NATIONAL INSTITUTE OF CHILD HEALTH & HUMAN DEVELOPMENT
Type: **R03HD079870**
Period: 02/01/2015-01/31/2017
Total cost: \$157,802

3. Title: “Serotonin, Maternal Behavior and Postpartum Depression”
Role: **Principal Investigator**

Agency: DHHS-Nat Inst Mental Health
Type: **R01MH097718**
Period: 06/01/2013-03/31/2018
Total cost: \$1,497,476

4. Title: "Behavioral mechanisms of antipsychotic action"
Role: **Principal Investigator**
Agency: DHHS-Nat Inst Mental Health
Type: **R01MH085635**
Period: 03/22/2010-01/31/2015 (no cost extension to 01/31/2016)
Total cost: \$1,447,532

5. Title: "Mechanisms of Synaptic Alterations in a Neuroinflammation Model of Autism"
Role: Co-Investigator
Agency: Department of Defense (DoD) FY12 Autism Research Program
Type: **AR120096**
Period: 09/30/2013-09/29/2016
Total cost: \$\$579,822.00

6. Title: "How Nicotine Sensitivity in Adulthood is Altered by Adolescent Antipsychotic Treatment: A Preclinical Investigation"
Role: **Principal Investigator**
Agency: Nebraska Health and Human Services
Type: **Research grant (2016-23)**
Period: 07/01/2015-06/30/2016
Total cost: \$50,000

Completed

7. Title: "Iptakalim for nicotine use in schizophrenia: A preclinical test"
Role: **Principal Investigator**
Agency: Nebraska Health and Human Services
Type: **Research grant**
Period: 07/01/2010-06/30/2011
Total cost: \$40,000

8. Title: "Anxiolytic Property of Atypical Antipsychotics"
Role: **Principal Investigator**
Agency: DHHS-Nat Inst Mental Health
Type: **R21 MH079894**
Period: 01/01/2008-12/31/2010
Total cost: \$362,145

9. Title: "Antipsychotic Drugs and Maternal Behavior: A Preclinical Investigation"
Role: **Principal Investigator**
Agency: DHHS-Nat Inst Mental Health
Type: **R03 MH080822**
Period: 09/15/2007-07/31/2010
Total cost: \$132,750

10. Title: "Iptakalim: A Potential Antipsychotic Drug with Novel Mechanisms"
 Role: **Principal Investigator**
 Agency: Stanley Medical Research Institute
 Type: **Research grant**
 Period: 08/2007-07/2010
 Total cost: \$150,000

11. Title: "Behavioral Mechanisms of Action of Atypical Antipsychotics: A Preclinical Investigation"
 Role: **Principal Investigator**
 Agency: National Alliance for Research on Schizophrenia and Depression (NARSAD)
 Type: **Young Investigator Award**
 Period: 07/2007-06/2010
 Total cost: \$60,000

12. Title: "Nicotine Effects in Adolescent and Adult Rats"
 Role: **Principal Investigator**
 Agency: Nebraska Health and Human Services
 Type: **Research grant (2008-03B)**
 Period: 07/01/2008-06/30/2009
 Total cost: \$40,000

Intramural Grants

Completed

1. UNL Layman New Direction award (role: **PI**, June 2012-May 2013): Central Receptor Mechanisms of Antipsychotic Drugs: A Central Infusion Study, \$16,108
2. NU Nebraska Research Initiative Grant (role: **co-I**, PI: Anna Dunaevsky, 7/1/12- 6/30/13): Nanotherapeutics in Neuroinflammation Model of Autism, \$100,000
3. UNL Life Sciences Competitive Grants (Role: **co-I**: 07/2011-06/2013): Gene Therapy Against Neurodegenerative Disorders Associated with Pesticide Exposure, \$72,000
4. Faculty seed grant (role: **PI**, 2008-2009): Characterizing Reconsolidation of Persistent Avoidance Responding, \$9,943
5. Faculty seed grant (role: **PI**, 2006-2007): How Antipsychotic Drugs Work Psychologically?----- An Animal Behavioral Investigation, \$9,980
6. UNL Layman award (role: **PI**, co-I: Dr. Bevins, June 2006-May 2007): Persistent Avoidance Responding as an Animal Model of Schizophrenia, \$9,995

Sponsored NIH Fellowships

1. **Natashia Swalve:** “Novel hypothesis for the comorbidity of schizophrenia and nicotine abuse in rats”; NIH 1 F31 DA034407-01; Dates: 09/01/2012 - 08/13/2014
2. **Sergios Charntikov:** “Role of dmCPu in acquisition and expression of nicotine CS evoked CR”; NIH 1F31DA034449-01A1; Dates: 04/01/2013-03/31/2015

Teaching Experience

Psyc 465/865, Bio 419/819	Behavioral Neuroscience
Psyc 464	Psychopharmacology
Psyc 904	Graduate Seminar on Physiological Psychology
2013-2015	Mentor of Amine Bahi (Research Assistant Professor) and Ruiyong Wu (Postdoctoral Fellow)
2012-2014	Mentor of Dr. Jun Gao (Postdoctoral fellow)
2010-2012	Mentor of Dr. Nathan Sparkman (Research assistant professor)
2008-2010	Mentor of Dr. Changjiu Zhao (Postdoctoral fellow)
2006-present	Undergraduate UCARE supervisor: Wei He, Katherine Heupel, Alex Mayhan, Kyle Brummet, Blake Bartel, Joanne Lin, Mikki Schantell
2006-present	Undergraduate research assistants: John Weishahn, Trevor Gregath, Wei He, Rebecca Munro, Justin Schulte, Ashley Rappana, Rhiannon Sorenson, Katherine Heupel, Laura Olsen, Alex Mayhan, Kyle Brummet, Heidi Gonzalez, Nick Volf, Taylor Vaiskunas, Collin Davis, Sean Jones, Blake Bartel, Sienna Hansen, Joanne Lin, Mikki Schantell.

Grant Review Service:

MARSDEN FUND Economics and Human and Behavioural Sciences Panel (2012)
 Air Force Office of Scientific Research (2012)
 Institute for Mental Health (Arizona, 2010 and 2013)
 UNL Layman awards (2013).
 NIH DBD panel *ad hoc* reviewer (December, 2013)
 NIH DBD panel *ad hoc* reviewer (February, 2014)
 German Academic Exchange Service (DAAD): P.R.I.M.E. (“Postdoctoral Researchers International Mobility Experience”) (2014)

Editorial Service:

Board member of “Advances in Psychological Science” (China)

Journal Review Services:

Neuropsychopharmacology; Neuropharmacology; Biological Psychiatry; Psychopharmacology; Neuroscience; Hormone and Behavior; Developmental Psychobiology; Physiology and Behavior; Pharmacology, Biochemistry, & Behavior; Behavioural Pharmacology; Hippocampus;

Neuroscience Letters; Brain Research, Biochemical Pharmacology; Behavioural Brain Research; Pharmacological Research; Journal of Neural Transmission; Clinical and Experimental Pharmacology and Physiology; Journal of the Experimental Analysis of Behavior; CNS Neuroscience & Therapeutics; Clinical Psychopharmacology and Neuroscience; Pharmacological Reports; PLOS one; Brain and Cognition; Journal of Clinical Psychopharmacology; British Journal of Pharmacology; Acta Psychologica Sinica; Scientific Report

Professional Societal Services

Awards Committee Chair (APA Div 6) (2013-2014)

Liaison of Div 28 of APA to the Committee on International Relations (2012-)

Organizer of "Symposium on Psychopharmacology of Antipsychotic Drugs" (APA Div 28 Annual meeting, August, 2012)

Professional Membership

Society for Neuroscience (SFN)

Society of Biological Psychiatry (SOBP)

Society for Behavioral Neuroendocrinology (SBN)

American Psychological Association (APA)

Midwestern Psychological Association

Faculty Association of Chinese in Translational Neuroscience (FACT)

University and Department Services

University Level:

2007-present Member of IACUC at UNL

2008-2010 Member of NUgrant Advisory Board

College Level:

2015-2016 Member of Arts and Sciences Executive Committee

Department Level:

2011-present Member of Graduate Executive Committee

2005-present Member of Department of Psychology Fellowship Committee

2007-present Member of Colloquium Committee, UNL Psychology Department

September 2013 Department faculty search committee

2005-present Master and PhD thesis committees:

Jennifer Murray (2005), Carmela Reichel (2005), Alexa Mead (2006), Kate Wilson (2007), Amanda Struthers (2006), Petra Kleinlein (2007), Mark Shepherd (2008), Scott Barrett (2010), Sergios Charntikov (2010), Natasha Swalve (2009), Steve Pittenger (2011), Cindy Chou (2012), Mengjiao Zhang (2013), Jesse Hochheiser (2014), Patrick Ledwidge (2014)

2006-present Undergraduate thesis supervisor:

Rebecca Munro (2006), Ashley Rappana (2007), Justine Schulte (2008), Laura Olsen (2010)

2006-2007 Chair of Colloquium Committee, UNL Psychology Department

1998- 2001 Student Representative to the Animal Care Committee, University of Toronto at Mississauga

International Collaborations

- 2007-2010: PhD supervisor for Tao Sun (*Nanjing Medical University*)
 2008-2010: PhD supervisor for Jing Chen and Chen Zhang (*Shanghai Jiaotong University*)
 2010-2013: PhD supervisor for Min Feng (*Institute of Psychology, Chinese Academy of Sciences*)
 2011-2013: Graduate student supervisor for Qing Shu (*Nanjing Medical University*) and Jing Qiao (*Southwest University*)
 2012-2013: Graduate student supervisor for Ronyin Qin (*Yangzhou Medical University*)

Invited Talks

1. **Li, M:** Tuesday Night Neuroscience, Omaha, April 17, 2007
2. **Li, M:** Midwestern Psychological Association Conference, May 1 - 3, 2008, Chicago.
3. **Li, M:** Ecology, Evolution & Behavior seminar at the School of Biological Sciences, University of Nebraska-Lincoln, Jan 30, 2009.
4. **Li, M:** Barrow Neurological Institute, April 13, 2010.
5. **Li, M:** Institute of Psychology, Chinese Academy of Sciences, July 1, 2010.
6. **Li, M:** Shanghai Institute of Mental Health, Jan 27, 2011.
7. **Li, M:** Rosaline Franklin University of Medicine and Science, April 6, 2011
8. **Li, M:** Cognitive Science Beijing Symposium, Beijing June 17-18, 2011
9. **Li, M:** Institute of Psychology, Southwest University, Chongqing, June 28, 2011
10. **Li, M:** City College of New York, CUNY, March 19, 2012
11. **Li, M:** American Psychological Association Annual Convention, August 4, 2012, Orlando.
12. **Li, M:** Annual Conference of Chinese Physiological Psychology Association, September, 25, 2012, Nanjing, China
13. **Li, M:** Tongji University, May 27, 2013
14. **Li, M:** Cognitive Science Beijing Symposium, Beijing, China, July 15-16, 2013
15. **Li, M:** Department of Developmental Neuroscience, UNMC, August 19, 2013
16. **Li, M:** Department of Psychiatry and Behavioral Science, UT medical school at Houston, November 20, 2013
17. **Li, M:** College of Chemistry and Pharmacology, Southwest Ethnicity University, China, April 10, 2014.
18. **Li, M:** Annual Convention of American Psychological Association, Washington DC, August 6, 2014.
19. **Li, M:** Chinese Physiological Psychology Convention, Shantou, October 22-25, 2014.

Publications (Note: "*" denotes the corresponding author)

Peer reviewed:

1. Coiro P, Padmashri R, Suresh A, Spartz E, Pendyala G, Chou S, Jung Y, Meays B, Roy S, Gautam N, Alnouti Y, **Li M**, Dunaevsky A (2015) Impaired synaptic development in a maternal immune activation mouse model of neurodevelopmental disorders. *Brain Behav Immun*.
2. Yang Y, Qin J, Chen W, Sui N, Chen H, **Li M*** (2015). Behavioral and pharmacological investigation of anxiety and maternal responsiveness of postpartum female rats in a pup elevated plus maze, *Behavioural Brain Research*, 2015 Jul 6;292:414-427. doi: 10.1016/j.bbr.2015.07.010.

3. **Li, M*** (2015): Antipsychotic Drugs on Maternal Behavior in Rats, *Behavioural Pharmacology*, 2015 Sep;26(6):616-26. doi: 10.1097/FBP.000000000000168.
4. Swalve, N, Barrett, S, Bevins, RA and **Li, M** (2015): Examining the Reinforcement-Enhancement Effects of Phencyclidine and Its Interactions with Nicotine on Lever-Pressing for a Visual Stimulus, *Behavioural Brain Research*, Sep 15;291:253-9. doi: 10.1016/j.bbr.2015.05.043.
5. Chou, SY, Jones, S and **Li M*** (2015): Adolescent olanzapine sensitization is correlated with hippocampal stem cell proliferation in a maternal immune activation rat model of schizophrenia, *Brain Research*, Aug 27;1618:122-35. doi: 10.1016/j.brainres.2015.05.036.
6. Swalve, N, Pittenger, S, Bevins, RA and **Li, M** (2015): Behavioral Effects of Phencyclidine on Nicotine Self-Administration and Reinstatement in the Presence or Absence of a Visual Stimulus in Rats, *Psychopharmacology*, Aug;232(16):2877-87. doi: 10.1007/s00213-015-3923-0.
7. Gao J, **Li M*** (2015): Repeated administration of aripiprazole produces a sensitization effect in the suppression of avoidance responding and phencyclidine-induced hyperlocomotion and increases D2 receptor-mediated behavioral function, *Journal of Psychopharmacology*, Apr;29(4):390-400
8. Chou, SY; Davis, C; Jones, S and **Li, M*** (2014): Repeated effects of the neurotensin receptor agonist PD149163 in three animal tests of antipsychotic activity: assessing for tolerance and cross-tolerance to clozapine, *Pharmacology, Biochemistry and Behavior*, 2014 Nov 26;128C:78-88. doi: 10.1016/j.pbb.2014.11.015.
9. Feng, M, Gao, J, Sui, N and **Li, M*** (2015): Effects of central activation of serotonin 5-HT_{2A/2C} or dopamine D_{2/3} receptors on the acute and repeated effects of clozapine in the conditioned avoidance response test; *Psychopharmacology*, 2015 Apr;232(7):1219-30
10. Shu, Q, Qin, RY, Chen, YZ, Hu, G* and **Li, M*** (2014): Asenapine sensitization from adolescence to adulthood and its potential molecular basis, *Behavioural Brain Research*, 2014 Oct 15;273:166-76. doi: 10.1016/j.bbr.2014.07.042. Epub 2014 Aug 2.
11. Gao J, **Li M*** (2014): Differential Effects of Intermittent versus Continuous Haloperidol Treatment throughout Adolescence on Haloperidol Sensitization and Social Behavior in Adulthood, *Progress in Neuro-Psychopharmacology & Biological Psychiatry*, 2014 Oct 3;54:67-75.
12. Sun, T, Liu, XF, and **Li, M*** (2014): Environmental Cues on Behavioral Efficacy of Haloperidol, Olanzapine and Clozapine in Rats, *Behavioural Pharmacology*, 2014 Aug;25(4):277-86. doi: 10.1097/FBP.0000000000000047
13. Chen, WH, Zhang, Q, Su, WX, Zhang, HR, Yang, Y, Qiao, J, Sui, N, and **Li, M*** (2014): Effects of 5-hydroxytryptamine 2C receptor agonist MK212 and 2A receptor antagonist MDL100907 on maternal behavior in postpartum female rats, *Pharmacology, Biochemistry and Behavior*, 117: 25-33.
14. Navarro-Yepes J, Zavala-Flores L, Anandhan A, Wang F, Skotak M, Chandra N, **Li M**, Pappa A, Martinez-Fong D, Del Razo LM, Quintanilla-Vega B, Franco R (2014) Antioxidant gene therapy against neuronal cell death. *Pharmacol Ther* 142: 206-30.

15. Qiao, J, Gao J, Shu, Q, Zhang, QL, Hu, G, and **Li, M*** (2014), Long-lasting sensitization induced by repeated risperidone treatment in adolescent Sprague-Dawley rats: A possible D2 receptor mediated phenomenon? *Psychopharmacology*, 231: 1649-59. PMID: 24363078.
16. Shu, Q, Hu, G and **Li, M*** (2013): Adult Response to Olanzapine or Clozapine Treatment is altered by Adolescent Antipsychotic Exposure: A Preclinical Test in the Phencyclidine Hyperlocomotion Model, *Journal of Psychopharmacology*.
17. **Li, M*** and He, W (2013): An automatic recording system for the study of escape from fear in rats, *Behavioral Processes*, 100, 13–17.
18. Gao J, **Li M*** (2013) Time-dependence of risperidone and asenapine sensitization and associated D receptor mechanism. *Behav Brain Res*, 257: 286-94.
19. Qiao, J, Zhang, QL, Li M* (2013) Long-term impacts of adolescent risperidone treatment on behavioral responsiveness to olanzapine and clozapine in adulthood, *Progress in Neuropsychopharmacology & Biological Psychiatry*, 177-85.
20. S. Charntikov, N. Swalve, S. Pittenger, K. Fink, S. Schepers, G. C. Hadlock, A. E. Fleckenstein, G. Hu, **M. Li**, & R. A. Bevins (2012): Iptakalim attenuates self-administration and acquired goal-tracking behavior controlled by nicotine, *Neuropharmacology*, 37: 876-84.
21. Qin, Chen and **Li, M*** (2013): Repeated Asenapine Treatment Produces a Sensitization Effect in Two Preclinical Tests of Antipsychotic Activity, *Neuropharmacology*, Aug 14; 75C:356-364. doi: 10.1016/j.neuropharm.2013.05.031
22. Shu, Q, Hu, G and **Li, M*** (2013): Is Brain-derived Neurotrophic Factor a Possible Mechanism Underlying Risperidone Sensitization in Adolescent Rats? *Biochem & Pharmacol* S1: 004. doi:10.4172/2167-0501.S1-004, [Open Access]
23. Qiao J, Li H, **Li, M*** (2013) Olanzapine sensitization and clozapine tolerance: from adolescence to adulthood in the conditioned avoidance response model. *Neuropsychopharmacology* 38: 513-24.
24. Feng, M, Sui, N and **Li, M*** (2012): Environmental and behavioral controls of the expression of clozapine tolerance: Evidence from a novel across-model transfer paradigm, *Behavioural brain research*, 2012 Oct 23. doi:pil: S0166-4328(12)00648-1. 10.1016/j.bbr.2012.10.009.
25. Feng, M, Sui, N and **Li, M*** (2012): Avoidance disruptive effect of clozapine and olanzapine is potentiated by increasing the test trials: Further test of the motivational salience, *Pharmacology, Biochemistry and Behavior*, 103: 467-473.
26. Zhao, CJ and **Li, M*** (2012): Neuroanatomical substrates of the disruptive effect of olanzapine on rat maternal behavior as revealed by c-Fos immunoreactivity, *Pharmacology, Biochemistry and Behavior*, 2012 Aug 31;103(2):174-180.
27. Sparkam, N and **Li, M*** (2012): Drug-drug conditioning between citalopram and haloperidol or olanzapine in a conditioned avoidance response model: Implications for polypharmacy in schizophrenia, *Behavioural Pharmacology*, 2012 Oct;23(7):658-68.

28. Volf, N, Hu, G and **Li, M*** (2012): Iptakalim preferentially decreases nicotine-induced hyperlocomotion in phencyclidine-sensitized rats: A potential dual action against nicotine addiction and psychosis, *Clinical Psychopharmacology and Neuroscience*, Dec;10(3):168-79.
29. Swalve and **Li, M*** (2012): Parametric studies of antipsychotic-induced sensitization in the conditioned avoidance response model: Roles of number of drug exposure, drug dose, and test-retest interval, *Behavioural Pharmacology*, 2012 Aug;23(4):380-91
30. **Li, M***, He, W, and Munro, R (2012): Differential effects of acute amphetamine and phencyclidine treatment and withdrawal from repeated amphetamine or phencyclidine treatment on social interaction and social memory in rats, *PsyCh Journal*, June 2012, 1(1), 56-68.
31. Zhao, CJ, Sun, T and **Li, M*** (2012): Neural basis of the potentiated inhibition of repeated haloperidol and clozapine treatment on the phencyclidine-induced hyperlocomotion, *Progress in Neuropsychopharmacology & Biological Psychiatry*, 2012 Aug 7;38(2):175-82.
32. Zhang, C and **Li, M*** (2012): Contextual and behavioral control of antipsychotic sensitization induced by haloperidol and olanzapine, *Behavioural Pharmacology*, Feb;23(1):66-79.
33. **Li, M***, Sun, T, and Mead, A (2012): Clozapine, but not olanzapine disrupts conditioned avoidance response in rats by antagonizing 5-HT_{2A/2C} receptors, *Journal of Neural Transmission*, 2012 Apr;119(4):497-505. Epub 2011 Oct 11.
34. Charntikov, S, Tracy, M, Zhao, CJ, **Li, M**, Bevins, R (2011): Conditioned response evoked by nicotine conditioned stimulus preferentially induces c-Fos expression in medial regions of caudate-putamen, *Neuropsychopharmacology*, 2011 Nov 2. doi: 10.1038/npp.2011.263.
35. Grant, K, LeVan, T, Wells, S, **Li, M**, Stoltenberg, S, Gendelman, H, Carlo, G and Bevins, R (2012): Methamphetamine-associated psychosis, *J Neuroimmune Pharmacol* 7: 113-39.
36. **Li, M***, He, W, and Chen, J (2011): Time course of prepulse inhibition disruption induced by dopamine agonists and NMDA antagonists: Effects of drug administration regimen, *Pharmacology, Biochemistry and Behavior*, 99(3), 509-518.
37. **Li, M***, He, W, and Heupel, K (2011): Administration of clozapine to a mother rat potentiates pup ultrasonic vocalization in response to separation and re-separation: Contrast with haloperidol, *Behav Brain Res* 222: 385-9.
38. **Li, M***, He, W, and Volf, N (2011): Time course of the attenuation effect of repeated antipsychotic treatment on prepulse inhibition disruption induced by repeated phencyclidine treatment, *Pharmacology, Biochemistry and Behavior*, 2011 Mar 21;98(4):559-569.
39. Kathryn Wilson, David Hansen and **Ming Li** (2011): The Traumatic Stress Response in Child Maltreatment and Resultant Neuropsychological Effects, *Aggression and Violent Behavior*, 16 (2011) 87–97.
40. Zhang, C, Fang, YR, and **Li, M*** (2011): Behavioral mechanisms of the disruptive effect of olanzapine and risperidone in the rat conditioned avoidance response model: further evidence, *Pharmacology, Biochemistry and Behavior*, 2011 Mar;98(1):155-60. Epub 2010 Dec 29.

41. Chen, J, Wang, ZC, and **Li, M*** (2011): Multiple “hits” during postnatal and early adulthood periods disrupt the normal development of sensorimotor gating ability in rats. *Journal of Psychopharmacology*, 2011;25:379-92.
42. **Li, M***, Sun, T, Zhang, C, Hu, G (2010): Distinct neural mechanisms underlying acute and repeated administration of antipsychotic drugs in rat avoidance conditioning, *Psychopharmacology*, Sep;212(1):45-57.
43. Sun, T, He, W, Hu, G, **Li, M*** (2010): Anxiolytic property of risperidone and olanzapine as examined in multiple measures of fear in rats. *Pharmacology, Biochemistry and Behavior*, 2010 May;95(3):298-307.
44. Sun, T, Zhao, CJ, Hu, G, **Li, M*** (2010): Iptakalim: A potential antipsychotic drug with novel mechanisms? *European Journal of Pharmacology*, 2010 May 25;634(1-3):68-76.
45. Zhao, CJ, **Li, M*** (2010): C-FOS identification of neuroanatomical sites associated with haloperidol and clozapine disruption of maternal behavior in the rat. *Neuroscience*, 2010 Apr 14;166(4):1043-55.
46. Zhao, CJ, **Li, M*** (2009): The receptor mechanisms underlying the disruptive effects of haloperidol and clozapine on rat maternal behavior: A double dissociation between dopamine D2 and 5-HT_{2A/2C} receptors. *Pharmacology, Biochemistry and Behavior*, 2009 Oct;93(4):433-42. Epub 2009 Jun 17.
47. **Li, M***, He, W, Mead, A (2009) An investigation of the behavioral mechanisms of antipsychotic action using a drug-drug conditioning paradigm. *Behavioural Pharmacology*, 2009 Mar;20(2):184-94.
48. Mead A, **Li M*** (2010) Avoidance-Suppressing Effect of Antipsychotic Drugs is Progressively Potentiated after Repeated Administration: an Interoceptive Drug State Mechanism. *Journal of Psychopharmacology*, 2010 Jul;24(7):1045-53. Epub 2009 Mar 27.
49. **Li, M***, He, W, Mead, A (2009) Olanzapine and risperidone disrupt conditioned avoidance responding in phencyclidine or amphetamine pretreated rats by selectively weakening motivational salience of conditioned stimulus. *Behavioural Pharmacology*, 20: 84-98.
50. Sun, T, Hu, G, **Li, M*** (2009): Repeated antipsychotic treatment progressively potentiates inhibition on phencyclidine-induced hyperlocomotion, but attenuates inhibition on amphetamine-induced hyperlocomotion: Relevance to animal models of antipsychotic drugs. *European Journal of Pharmacology*, 602:334-342.
51. Zhao, CJ, **Li, M*** (2009): Sedation and disruption of maternal motivation underlie the disruptive effects of antipsychotic treatment on rat maternal behavior. *Pharmacology, Biochemistry and Behavior*, 92: 147-156.
52. Mead, A, **Li, M***, Kapur, S (2008): Clozapine and Olanzapine Exhibit an Intrinsic Anxiolytic Property in Two Conditioned Fear Paradigms: Contrast with Haloperidol and Chlordiazepoxide. *Pharmacology, Biochemistry and Behavior*, 90 (2008) 551–562

53. **Li, M***, He, W and Munro, R (2008): Amphetamine Selectively Enhances Avoidance Responding to a Less Salient Stimulus in Rats. *Journal of Neural Transmission*, 2008 May;115(5):773-6.
54. Parada, M, King, S, **Li, M** and Fleming, A (2008): The roles of accumbal dopamine D1 and D2 receptors in maternal memory in rats. *Behavioral Neuroscience*, Apr;122(2):368-76.
55. **Li, M**, Fletcher PJ, Kapur S (2007) Time Course of the Antipsychotic Effect and the Underlying Behavioral Mechanisms. *Neuropsychopharmacology*, 2007, Feb;32(2):263-72.
56. Smith AJ, **Li M**, Becker S, Kapur S (2007) Linking Animal Models of Psychosis to Computational Models of Dopamine Function. *Neuropsychopharmacology*, 2007 Jan;32(1):54-66
57. Smith A, **Li, M**, Becker S, Kapur S (2006) Dopamine, prediction error and associative learning: A model-based account. *Network* 17:61-84.
58. **Li, M**, Budin, R, Fleming, A, and Kapur, S (2005) Effects of novel antipsychotics, amisulpiride and aripiprazole, on maternal behavior in rats. *Psychopharmacology* (Berl). 2005, 181(3) 600-10.
59. **Li, M.**, Budin, R, Fleming, A, and Kapur, S (2005) Effects of chronic typical and atypical antipsychotic drug treatment on maternal behavior in rats. *Schizophrenia Research*, 75/2-3 pp 325-336.
60. **Li, M.** Parkes, J, Fletcher, PJ, and Kapur, S. (2004) Evaluation of the motor initiation hypothesis of APD-induced conditioned avoidance decreases. *Pharmacology, Biochemistry and Behavior*, 78(4), 811-819.
61. Smith, A, **Li, M**, Becker, S and Kapur, S. (2004) A Model of Antipsychotic Action in Conditioned Avoidance: A Computational Approach. *Neuropsychopharmacology*, 2004 Jun, 29(6) 1040-9.
62. **Li, M.**, Davidson, P, Budin, R, Kapur, S and Fleming, A (2004) Effects of typical and atypical antipsychotic drugs on maternal behavior in postpartum female rats. *Schizophrenia Research*, 2004 Sep 1;70(1):69-80.
63. **Li, M.** and A.S. Fleming (2003) The nucleus accumbens shell is critical for normal expression of pup-retrieval in postpartum female rats. *Behavioural Brain Research*, 2003. 145(1-2): p. 99-111.
64. **Li, M.** and A.S. Fleming (2003) Differential involvement of nucleus accumbens shell and core subregions in maternal memory in postpartum female rats. *Behavioral Neuroscience*, 2003. 117(3): p. 426-45.
65. Lee, A., **Li, M.** Watchus, J, Fleming AS (1999) Neuroanatomical basis of maternal memory in postpartum rats: selective role for the nucleus accumbens. *Behavioral Neuroscience*, 1999. 113(3): p. 523-38.

Invited papers

66. **Li, M***, Mead, A, Bevins, RA (2009) Individual Differences in Responding to Nicotine: Tracking Changes from Adolescence to Adulthood. *Acta Pharmacol Sin* 2009, Jun; 30 (6): 868–878
67. Kapur, S, Agid, O, Mizrahi, R, and **Li, M** (2006) How antipsychotics work—From receptors to reality. *NeuroRx*, 3 (1), 10-21.
68. Kapur, S, Mizrahi, R, and **Li, M** (2005) From dopamine to salience to psychosis - Linking biology, pharmacology and phenomenology of psychosis. *Schizophrenia Research*, 2005 Nov 1;79(1):59-68.

Publications in Chinese

69. Gao, J and **Li, M*** (2015): Antipsychotic-induced behavioral sensitization and tolerance and the related neurobiological mechanisms, *Translational Medicine Research (Electronic Edition)*, 2014, 4 (4): 45-53 DOI: 10.3868/j.issn.2095-154x.2015.01.006
70. Shu, Q, Duan, ZG, Hu, G and **Li, M*** (2012): Psychological mechanisms of dopamine in psychotic symptoms of schizophrenia: Recent theoretical and empirical advances, *CHINESE SCIENCE BULLETIN*.

Book chapters

71. Fleming, A, and Li, M (2002). Psychobiology of maternal behavior in non-human mammals. *Handbook of Parenting* (second edition, eds. [Marc H. Bornstein](#)), Mahwah, N.J.: Lawrence Erlbaum Associates, 2002.

Conference presentations

1. Chou, S, Davis, C, **Li, M**: The effects of prenatal immune activation and infantile repeated maternal separation stress on maternal behavior, Society for Neuroscience, November 15-19, 2014, Washington DC.
2. Zhang, M, **Li, M**: Distal exposure to pups reduces startle response without altering prepulse inhibition in postpartum rats, Society for Neuroscience, November 15-19, 2014, Washington DC.
3. Gao, J, **Li, M**: The roles of 5-Hydroxytryptamine 2A and 2C receptors in maternal behaviors in rats, Society for Neuroscience, November 15-19, 2014, Washington DC.
4. Chou, S, Davis, C, Jones, S, **Li, M**: Assessment of repeated neurotensin receptor activation using three preclinical models of antipsychotic activation, Society for Neuroscience, November 9-13, 2013, San Diego, CA
5. Swalve, N, Pittenger, S, Bevins, RA and **Li, M**: The effects of phencyclidine on self-administration of nicotine: A novel hypothesis for the comorbidity of schizophrenia and nicotine abuse. Society for Neuroscience, November 9-13, San Diego, CA
6. **Li, M**, Feng, M and Sui, N: Drug--Drug Conditioning Between Nicotine and Clozapine in a Conditioned Avoidance Response Model, American Psychological Association Convention, Honolulu, Hawaii, July 31-August 2, 2013
7. Chou, SY, Shu, Q, and **Li, M**: Sensitization and Tolerance to Antipsychotics in Rats Using the Maternal Immune Activation Model, American Psychological Association Convention, Honolulu, Hawaii, July 31-August 2, 2013

8. Swalve, N, Petracca, M and **Li, M**: Phencyclidine and Nicotine's Effects on Ultrasonic Vocalizations Induced by a Visual Stimulus, American Psychological Association Convention, Honolulu, Hawaii, July 31-August 2, 2013
9. Shu, Q, Chou, S, **Li, M**: Acute Antipsychotic Treatments Alter BDNF Levels in the Adolescent Rat PCP Model, Society of Biological Psychiatry, 68th Annual Scientific Convention, May 16-18, 2013, San Francisco, California.
10. **Li, M**: Contextual and Behavioral Control of Antipsychotic-Induced Sensitization and Tolerance, Winter Conference on Animal Learning, and Behavior, Winter Park, Colorado, February 2 - February 6, 2013.
11. **Li, M**: Neurobiological mechanisms of antipsychotic sensitization and tolerance: Some preliminary findings, Winter Conference on Animal Learning, and Behavior, Winter Park, Colorado, February 2 - February 6, 2013.
12. Feng, M, Nan, Su and **Li, M**: Number of Testing Trials Affects the Avoidance Disruptive Effect of Clozapine and Olanzapine, American Psychological Association Annual Convention, August 2-5, 2012, Orlando, FL.
13. Zhao, CJ and **Li, M**: The neural basis underlying the disruptive effect of olanzapine on rat maternal behavior, Society for Behavioral Neuroendocrinology, June 15-18, 2012, Madison, WI.
14. **Li, M**, Feng, M and Sui, N: Asymmetrical across-model transfer of clozapine-induced tolerance between the conditioned avoidance response model and phencyclidine hyperlocomotion model, Society for Neuroscience, November 12-16, 2011, Washington DC.
15. **Li, M** and Sparkman, N: Classical conditioning in polypharmacy: Drug-drug conditioning of citalopram and haloperidol or olanzapine, November 12-16, 2011, Washington DC.
16. **Li, M** and He, W: Time course of the attenuation effect of repeated antipsychotic treatment on prepulse inhibition disruption induced by repeated phencyclidine treatment, Society of Biological Psychiatry, May 11-14, 2011, San Francisco.
17. Zhang, C, Fang, YR, and **Li M**: Sensitization Induced by Haloperidol and Olanzapine is Context-Dependent, Midwestern Psychological Association Conference, May 5-7, 2011, Chicago.
18. Swalve, N and **Li, M**: Characterization of the sensitization-like effect of antipsychotics using the conditioned avoidance response model, Society for Neuroscience, November 13-17, 2010, San Diego.
19. Zhao, CJ, Sun, T, and **Li, M**: Neuroanatomical mechanisms underlying the inhibitory effect of repeated antipsychotic treatment on repeated phencyclidine-induced hyperlocomotion, Society for Neuroscience, November 13-17, 2010, San Diego.
20. **Li, M** and Zhao, CJ: c-Fos identification of neuroanatomical sites associated with haloperidol and clozapine disruption of maternal behavior in the rat, Society of Behavioral Endocrinology, July 18-21, 2010, Toronto, Canada.
21. **Li, M**, Sun, T, Zhao, CJ, and Hu, G: Distinct neural mechanisms underlying acute and repeated administration of antipsychotic drugs in rat avoidance conditioning, Society of Biological Psychiatry, May 20-23, 2010, New Orleans.
22. **Li, M**, He, W, and Chen, J: Effects of different regimens of repeated amphetamine and phencyclidine treatment on prepulse inhibition in rats, Society for Neuroscience, October 16-21, 2009, Chicago.
23. Zhao, CJ, and **Li, M**: The receptor mechanisms underlying the disruptive effects of haloperidol and clozapine on rat maternal behavior: A double dissociation between dopamine D2 and 5-HT_{2A/2C} Receptors, Society for Neuroscience, October 16-21, 2009, Chicago.
24. **Li, M**, Tao, S, and Hu, G: Repeated antipsychotic treatment progressively potentiates inhibition on phencyclidine-induced hyperlocomotion, but attenuates inhibition on amphetamine-induced hyperlocomotion: Relevance to animal models of antipsychotic drugs, Society for Neuroscience, Nov. 14-18, 2008, Washington, DC.

25. **Li, M**, Munro, R, Mead, A, and He, W: Sensitization to amphetamine, but not phencyclidine, enhances avoidance responding to a less salient stimulus but does not impair social interaction and social memory in rats, Society for Neuroscience, Nov. 3-7, 2007, San Diego.
26. Mead, A, and **Li, M**: Avoidance-suppressing effect of antipsychotic drugs is enhanced after repeated administration: an interoceptive drug memory mechanism, Society for Neuroscience, Nov. 3-7, 2007, San Diego.
27. Munro R, He W, and **Li M**, "Amphetamine sensitization leads to abnormally heightened response to a less salient stimulus but does not impair social interaction and social memory", Midwestern Psychological Association Conference, May 3 - 5, 2007, Chicago.
28. **Li, M**, Mead, A, and Weishahn, Anxiolytic property of atypical antipsychotics: A preclinical investigation, Colorado Springs, Mar. 28-April 1, 2007
29. **Li, M**, Fletcher, P, and Kapur, S. Examining the time course of antipsychotic treatment in schizophrenia using conditioned avoidance response model, Program No. 453.17. Washington, DC: Society for Neuroscience, Nov. 12-16, 2005.
30. Ni X, **Li M**, Han J, Lu Y, Dixon L, Kapur S, Kennedy JL. Investigation of correlations between gene expression of gap junctions and acquisition and performance scores of conditioned avoidance response in rats. 60th Annual meeting of Society of Biological Psychiatry: Pathogenesis and Prevention of Major Mental Disorders, Atlanta, Georgia, USA, May 19-21, 2005.
31. Smith A., **Li M**, and Kapur, S. Understanding the Early-Onset of Antipsychotic Action: An Animal and Computational Model, 10th International Congress on Schizophrenia Research, Savannah, Georgia, USA, April 2-6, 2005.
32. **Li, M**, Budin, R, Fleming, AS, and Kapur S. (2004) Effects of chronic typical and atypical antipsychotic drug treatment on maternal behavior in rats, Society of Biological Psychiatry's 59th Annual Scientific Convention, New York, April 28-May 1, 2004.
33. Smith A. J, Becker S, **Li M**, et al. (2004) A computational model of dopamine in conditioned avoidance and impulsivity, Society of Biological Psychiatry's 59th Annual Scientific Convention, New York, April 28-May 1, 2004.
34. **Li, M**, Fletcher, PJ, and Kapur, S. (2003) Antipsychotics suppress stimulus incentive salience: Implications for their therapeutic actions in schizophrenia, 9th International Congress on Schizophrenia Research, Colorado Springs, March 29-April 2, 2003.
35. Budin R, Li, M, Davidson, P. Fleming, AS, and Kapur, S (2003) Effects of typical and atypical antipsychotics on maternal behavior in postpartum female rats, 9th International Congress on Schizophrenia Research, Colorado Springs, March 29-April 2, 2003.
36. **Li. M**, Davidson, P, Fleming, A, and Kapur, S (2002) Effects of typical and atypical antipsychotic drugs on maternal behavior: implications for behavioral mechanisms of antipsychotics, Orlando, Society for Neuroscience Conference, Nov, 2-7.
37. **Li, M**, Smith, M-L, and Fleming, A. (2001) Nucleus accumbens shell mediates the consolidation of maternal experiences, San Diego, Society for Neuroscience Conference, Nov, 9-15.
38. **Li, M**, Kapur, S, and Fleming, A (2001). Antipsychotics interfere with maternal and social behaviors in rats: Differential effects of haloperidol and clozapine. 8th International Congress on Schizophrenia Research, Whistler Resort, British Columbia, Canada, April 28-May 2, 2001.
39. **Li, M**. and Fleming, A. (1999) Effects of lesions of two different subregions of the nucleus accumbens on maternal experience in postpartum rats. Abstracts of Society for Behavioral Neuroendocrinology, 236, 3rd annual meeting, University of Virginia, Charlottesville, Virginia.