

CURRICULUM VITAE 3/01/06

Stephanie Carole Dulawa

EDUCATION:

- 1989 - 1993 A.B. Psychobiology; Occidental College
1994 - 2000 Ph.D. in Neurosciences; University of California at San Diego

ACADEMIC APPOINTMENTS:

- 2005 Associate Research Scientist, Center for Neurobiology and Behavior, Columbia University.
2005 Assistant Professor, Department of Psychiatry, University of Chicago.

PROFESSIONAL TRAINING:

- 1994 - 2000 Ph.D. with Dr. Mark Geyer, University of California at San Diego
1994-8 Teaching Assistant, Basic Neurology, School of Medicine, UCSD
2000-5 Postdoctoral fellow with Dr. Rene Hen, Center for Neurobiology & Behavior, Columbia University, College of Physicians & Surgeons

AWARDS:

- 1993 College Honors in Psychobiology; Occidental College
1996 National Institute on Drug Abuse Travel Award; Soc for Neurosci.
1997 Serotonin Club Travel Award; Advances in 5-HT Receptor Research
1999 Individual Predoctoral National Research Service Award, National Institute on Mental Health (F31-MH12249-01)
2000 Training Grant (T32MH15174-25)
2002 Individual Postdoctoral National Research Service Award, National Institute on Mental Health (F31-MH65791-01A1)
2005 Mentored research scientist development award (1 K01 MH071555-01A1)

PROFESSIONAL SOCIETIES:

- 1996- American Association for the Advancement of Science
1998- Biological Psychiatry
1997- Serotonin Club
1995- Society for Neuroscience
2003- New York Academy of Sciences

ARTICLES

1. **SC Dulawa**, DA VanderWeele. Cholecystikinin and estradiol synergistically potentiate satiety in rats. *Peptides* 15:913-918; 1994.
2. **SC Dulawa**, MA Geyer. Psychopharmacology of prepulse inhibition in mice. *Chinese Journal of Physiology* 39:1-8; 1996.
3. **SC Dulawa**, R Hen, K Scearce-Levie, MA Geyer. Serotonin_{1B} receptor modulation of startle reactivity, habituation, and prepulse inhibition in wild type and serotonin_{1B} knockout mice. *Psychopharmacology* 132:125-134; 1997.
4. D Fiefel, K Minor, **S Dulawa**, NR Swerdlow. Effects of intra-accumbens neurotensin on sensorimotor gating. *Brain Research* 760:80-84; 1997.
5. **SC Dulawa**, R Hen, K Scearce-Levie, MA Geyer. Serotonin_{1B} receptor modulation of prepulse inhibition: Recent findings in wild type and 5-HT_{1B} knockout mice. *Annals of the New York Academy of Sciences* 861:79-84; 1998.
6. R Grailhe, C Waeber, **SC Dulawa**, JP Hornung, X Zhuang, D Brunner, MA Geyer, R Hen. Increased exploratory activity in mice lacking the 5-HT_{5A} receptor. *Neuron* 22:581-91; 1999.
7. MP Paulus, **SC Dulawa**, RJ Ralph, MA Geyer. Behavioral organization is independent of locomotor activity in 129 and C57 mouse strains. *Brain Research* 835:27-36; 1999.
8. **SC Dulawa**, DK Grandy, MJ Low, MP Paulus, MA Geyer. Dopamine D4 receptor-knockout mice exhibit reduced exploration of novel stimuli. *J Neurosci* 19:9550-9556; 1999.
9. AA Palmer, **SC Dulawa**, A Motawala, LH Conti, MA Geyer, MP Printz. Differences in prepulse inhibition in four rat strains. *Behavioral Neuroscience* 114:374-388; 2000.
10. **SC Dulawa**, C Gross, K Stark, R Hen, MA Geyer. Knockout mice reveal opposite roles for 5-HT_{1A} and 1B receptors in prepulse inhibition. *Neuropsychopharmacology* 22:650-659; 2000.
11. **SC Dulawa**, K Scearce-Levie, R Hen, MA Geyer. Serotonin releasers increase prepulse inhibition in serotonin 1B knockout mice. *Psychopharmacology* 149:306-312; 2000.
12. **SC Dulawa**, MA Geyer. Phenotypic differences and the effects of serotonergic agents on prepulse inhibition and habituation in three mouse strains. *Neuropharmacology* 39:2170-2179; 2000.
13. L Santarelli, M Saxe, C Gross, A Surget, F Battaglia, **S Dulawa**, N Weisstaub, J Lee, R Duman, O Arancio, C Belzung, R Hen. Requirement of hippocampal neurogenesis for the behavioral effects of antidepressants. *Science* 301:805-809; 2003.
14. MA Geyer, **SC Dulawa**. Assessment of murine startle response, prepulse inhibition, and habituation. In: *Current Protocols in Neuroscience* (JN Crawley and P Skolnick, eds) John Wiley & Sons, New York, 8.17, 2004.
15. SA Henry, **SC Dulawa**, MA Geyer, F Conquet. Assessment of a prepulse inhibition deficit in a mutant mouse lacking Mglu5 receptors. *Mol Psychi* 9:35-41; 2004.

16. AA Palmer, DJ Printz, PD Butler, **SC Dulawa**, MP Printz. Prenatal protein deprivation in rats induces changes in prepulse inhibition, startle habituation, and NMDA receptor binding. *Brain Res* 996:193-201; 2004.
17. **SC Dulawa**, KA Holick, B Gundersen, R Hen. Effects of chronic fluoxetine in animal models of anxiety and depression. *Neuropsychopharmacol* 29(7):1321-30, 2004.
18. MT Englander, **SC Dulawa**, P Bhansali, C Schmauss. How stress and fluoxetine modulate serotonin 2C receptor pre-mRNA editing. *J Neurosci* 25(3):648-51, 2005.
19. **SC Dulawa***, R Hen. Recent developments in animal models of the antidepressant response: the novelty-induced hypophagia test. *Neurosci Biobehav Rev* 29(4-5):771-783, 2005.
20. KA Holick, R Hen, **SC Dulawa**. Pharmacological validation of models of chronic antidepressant action. (in preparation)
21. **SC Dulawa**, A Levine, R Willett, M Sigman, J Schwartz, R Hen. Chronic fluoxetine increases brain derived neurotrophic factor mRNA expression in mouse hippocampus through differential regulation of four transcript forms (in preparation).
23. **SC Dulawa***, KA Holick, M Ansorge, R Hen, JA Gingrich. Serotonin transporter activity modulates 5-HT1B-induced alterations in prepulse inhibition and locomotion: implications for obsessive compulsive disorder and panic disorder (in preparation).
24. A Levine, **SC Dulawa**, R Hen, J Schwartz. Effects of chronic antidepressant treatment in juvenile mice (in preparation).

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ABSTRACTS

1. **SC Dulawa**, DA VanderWeele. Cholecystokinin and estradiol synergistically potentiate satiety in rats. 74th annual convention WPA, April 1994.
2. D Feifel, **S Dulawa**, N Taaid, NR Swerdlow. Effects of nucleus accumbens injections of neurotensin on sensorimotor gating. Abstr Soc Neurosci 756, 1995.
3. **SC Dulawa**, R Hen, K Searce, MA Geyer. Characterization of serotonin 1B receptor contribution to startle amplitude and prepulse inhibition in wild type and serotonin 1B minus mice. Abst Soc Neurosci 1693, 1995.
4. DK Grandy, MA Kelley, M Rubinstein, C Saez, JR Bunzow, G Zhang, JL Larson, A Unteustch, JS Garfinkle, C Feddern, M Japon, O Civelli, **S Dulawa**, MA Geyer, MJ Low. Generation and characterization of dopamine D2 and D4 receptor deficient transgenic mice. American College Neuropsychopharmacology 179, 1995.
5. **SC Dulawa**, R Hen, K Searce, MA Geyer. Effects of RU24969, 8-OH-DPAT, and GR127935 on prepulse inhibition in wild type and serotonin 1B minus mice. Abstr Soc Neurosci 2066, 1996.
6. **SC Dulawa**, R Hen, K Searce, MA Geyer. Effects of RU24969, 8-OH-DPAT, GR127935, and MDMA on prepulse inhibition in wild type and serotonin 1B minus mice. Abstr Soc Neurosci: Minority Fellows Forum: Neuroscience Research in Drugs of Abuse, 1996.
7. MP Paulus, D Grandy, M Low, M Kelly, **SC Dulawa**, MA Geyer. Assessment of behavioral organization differentially characterizes D2 and D4 knockout mice. Abstr Soc Neurosci 158, 1996.
8. JR Criado, GI Berg, RS Lee, **SC Dulawa**, SJ Henriksen. Pharmacological characterization of opiate interactions with Nacc neurons in vivo. Abstr Soc Neurosci 175, 1996.
9. RJ Ralph, GB Varty, **SC Dulawa**, MA Geyer. Effects of selective dopamine agonists on prepulse inhibition in mice. Abstr Biol Psychi 42S, 1997.
10. **SC Dulawa**, R Hen, K Searce-Levie, MA Geyer. Alpha-ethyltryptamine increases prepulse inhibition in serotonin 1B knockout mice. IBNS, 1997.
11. **SC Dulawa**, K Searce-Levie, R Hen, MA Geyer. Role of the 5-HT_{1B} receptor in mediating the effects of AET, MDMA, and MBDB on prepulse inhibition in wild type and 5-HT_{1B} knockout mice. Advances in Serotonin Receptor Research, 1997.
12. **SC Dulawa**, R Graihle, R Hen, and MA Geyer. Characterization of exploratory behavior and sensorimotor gating in wild type and serotonin 5A knockout mice. Abstr Soc Neurosci 1216, 1997.
13. **SC Dulawa**, DK Grandy, JL Larson, MJ Low, MA Geyer. Dopamine D4 receptor-deficient mice exhibit reduced responses to novelty. Abstr Biol Psychi 48, 1998.
14. **SC Dulawa**, D Grandy, J Larson, M Low, MA Geyer. Dopamine D4 Receptor modulation of locomotion, startle plasticity, and exploration. Dopamine '98, 1998.

15. **SC Dulawa**, D Grandy, J Larson, M Low, MA Geyer. Dopamine D4 receptor-knockout mice exhibit reduction exploration in approach-avoidance conflicts. *Knockouts and Mutants A25*, 1998.
16. **SC Dulawa**, MA Geyer. The effects of MDMA, RU24969, 8-OH-DPAT, and DOM on prepulse inhibition and startle habituation in three different mouse strains. *Abstr Soc Neurosci 958*, 1998.
17. DJ Printz, AA Palmer, PD Butler, JM Gorman, J Rotrosen, **S Dulawa**, MP Printz. Prenatal protein deprivation alters two measures of sensorimotor gating. *Abstr Soc Neurosci 45*, 1998.
18. **SC Dulawa**, R Hen, K Searce-Levie, S Ramboz, MA Geyer. Characterization of sensorimotor gating in 5-HT1A and 5-HT1B minus mice. *Abstr Biol Psychi 67*, 1999.
19. MA Geyer, **SC Dulawa**, R Ralph. Startle habituation and prepulse inhibition studies in mutant mice. *Behav Pharmacol 10:S38*; 1999.
20. AA Palmer, **SC Dulawa**, PL Flodman, AA Mottiwala, LH Conti, MA Spence, MA Geyer, MP Printz. Potential genetic model of deficient prepulse inhibition using the Brown Norway rat strain. *Abstr Soc Neurosci 850*, 1999.
21. **SC Dulawa**, K Stark, R Hen, MA Geyer. Serotonin 1B striatal rescue mice exhibit robust disruptions of prepulse inhibition. *Abstr Soc Neurosci 69*, 1999.
22. SA Henry, **SC Dulawa**, F Conquet, MA Geyer. Severe disruption of prepulse inhibition (PPI) in mice lacking mGluR5. *Abstr Soc Neurosci 449*, 1999.
23. **SC Dulawa**, KL Stark, R Hen, MA Geyer. Serotonin 1B striatal rescue mice do not exhibit anpirtoline-induced prepulse inhibition deficits. *Abstr Soc Neurosci 786.2*, 2000.
24. L Santarelli, C Gross, J Monckton, **S Dulawa**, J Lee, M Saxe, R Hen. The 5-HT1A receptor is required for the effect of chronic fluoxetine on behavior and neurogenesis. *Abstr Soc Neurosci 858.14*, 2001.
25. **SC Dulawa**, KA Holick, MD Saxe, L Santarelli, E Sibille, R Hen. Chronic 8-OH-DPAT treatment increases hippocampal BDNF mRNA expression, p42/44 MAPK activation, and increases behavioral responses to novelty in mice. *Abstr Soc Neurosci 290.6*, 2002.
26. L Santarelli, MD Saxe, C Gross, NV Weisstaub, JT Lee, **S Dulawa**, R Hen. Role of adult neurogenesis in the behavioral effect of antidepressant. *Abstr Soc Neurosci 102.8*, 2002.
27. **SC Dulawa**, KA Holick, B Gundersen, JA Gingrich, R Hen. Effects of chronic fluoxetine in animal models of anxiety, depression, and sensorimotor gating. *Abstr Soc Neurosci 217.18*, 2003.
28. V Risbrough, **S Dulawa**, R. Hen, M. Geyer. Alterations in conditioned fear processes in 5-HT1A receptor null mutant mice. *Abstr Soc Neurosci 963.12*, 2003.
29. KA Holick, **SC Dulawa**, R Hen. Pharmacological validation of models of chronic antidepressant action in Balb/cJ mice. *Abstr Biol Psychi 723*, 2004.

30. **SC Dulawa**, RT Willett, MA Sigman, R Hen. Chronic fluoxetine treatment differentially alters expression of four BDNF transcript variants in the hippocampus of wild-type and serotonin 1A receptor knockout mice. Abstr Soc Neurosci, 2004.
31. **SC Dulawa**, KA Holick, M Ansorge, R Hen, JA Gingrich. Chronic fluoxetine treatment prevents deficits in prepulse inhibition and locomotor hyperactivity induced by the serotonin 1B agonist RU24969. Abstr Biol Psychi, 2005.
32. KA Holick, SC Dulawa, R Hen. The contribution of 5-HT4 receptors to antidepressant activity in the mouse.
33. **SC Dulawa**, KA Holick, MS Ansorge, R Hen, JA Gingrich. Chronic fluoxetine treatment blocks the effects of 5-HT1B, but not 5-HT1A, agonists on prepulse inhibition and locomotor activity in mice. Abstr Soc Neurosci, 2005.
34. **SC Dulawa**, KA Holick, M Ansorge, R Hen, JA Gingrich. Serotonin transporter activity modulates 5-HT1B-induced alterations in prepulse inhibition and locomotion: implications for obsessive compulsive disorder and panic disorder. ACNP, 2005.

MENTORSHIP

<u>Name</u>	<u>Context</u>	<u>Current Position</u>
Cindy Wise	Graduate School Rotation, UCSD	Medical School
Suzanne Henry	Graduate School Rotation, UCSD	Ph.D.
Britter Gundersen	Internship, Bergen Academy High School	Stanford University
Ellen Huang	Internship, Bergen Academy High School	Cornell University
Kerri Holick	Graduate School Rotation, Columbia Univ.	Grad. student- Dr. He
Dar Meshi	Graduate School Rotation, Columbia Univ.	Grad. student- Dr. Hen
Daniel Lee	Internship, Bergen Academy High School	Stanford Univ.
Jose Guzman	Minority Summer Prog., Hunter College	Ross Medical School
Ryan Willett	Graduate School Rotation, Columbia Univ.	Columbia grad. stud.
Maura Sigman	Columbia undergraduate Independent Study	Columbia Univ.
Vanessa Triano	Internship, Bergen Academy High School	Wellesley College