

DEBORAH SUSAN KREISS

Binghamton University, Freshman Research Immersion Program,
Neuroscience Stream Research Educator, Binghamton NY 13902
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- - - - - I. PROFESSIONAL HISTORY - - - - -

- A. Assistant Professor, Visiting**
Psychology Dept & Neurosci. Program, Macalester College (July '17 – June '18)
- B. Assistant Professor, Visiting**
Psychology Dept & Neurosci. Program, Washington & Lee Univ (July '16 – June '17)
- C. Assistant Professor, Visiting**
Psychology Dept, Ithaca College (July '15 - June '16)
- D. Assistant Professor, Visiting**
Psychology Dept & Neuroscience Program, Colgate University (Aug '11 - June '15)
- E. Assistant Professor**
Life Sciences Dept, Chattanooga State Community College (Aug '08 - July '11)
- F. Assistant Professor**
Dept of Biol. & Environmental Sci., Univ. of TN at Chattanooga (Aug '04 - May '08)
- G. Assistant Professor, Visiting**
Depts of Biology and Chemistry, Colby College (Aug '02 - July '04)
- H. Assistant Professor**
Department of Biology, University of Central Arkansas (Aug '97 - May '00)
- I. Postdoctoral Scientist**
 - Natl. Inst. of Neurological Disorders & Stroke, N.I.H., Bethesda, MD (Jul '93 -'97)**
Postdoctoral Advisor: Dr. Judith Walters, Chief, Neurophysiological Pharmacology Section
 - 1. **Senior Staff Fellow**, Neurophysiological Pharmacology Section, July '95-July '97
 - 2. **Postdoctoral Fellow**, Pharmacological Research Program, July '93-June '95
- J. Doctoral Student of Neuroscience**
 - Institute of Neurosci., Univ. of Penn. Medical School, Phil., PA (Aug '88 - May'93)**
Thesis Advisor: Dr. Irwin Lucki, Depts of Psychiatry, Neurosci. & Pharmacology
 - Doctor of Philosophy Degree** awarded May 1993
Title of Thesis

- Allers KA, Kreiss DS, and Walters JR (2002) Neuronal Firing Patterns in the Subthalamic Nucleus: Effects of dopamine receptor stimulation on multisecond oscillations. In The Basal Ganglia VI. AM Graybiel, MR DeLong, ST Kitai (Eds) Kluwer Academic/Plenum Publishers, New York pp. 245-254
- Allers KA, Kreiss DS, and Walters JR (2000) Multisecond oscillations in the subthalamic nucleus: Effects of apomorphine and dopamine cell lesion. *Synapse* 38:38-50
- Kreiss DS, Mastropietro CW, Rawji SS, and Walters JR (1997) The response of subthalamic nucleus neurons to dopamine receptor stimulation in a rodent model of Parkinson's disease. *Journal of Neuroscience*. 17:6807-6819
- Kreiss DS and Lucki I. (1997) Chronic administration of the 5-HT_{1A} receptor agonist 8-OH-DPAT differentially desensitizes 5-HT_{1A} autoreceptors of the dorsal and median raphe nuclei. *Synapse*. 25:107-116
- Kreiss DS, Anderson LA, and Walters JR. (1996) Apomorphine and dopamine D₁ receptor agonists increase the firing rates of subthalamic nucleus neurons. *Neuroscience*. 72:863-876
- Kreiss DS, Bergstrom DA, Gonzalez AM, Huang KX, Sibley D00912

Washington, D.C.

- *Hyde AL, *Kasparson LJ, *Laiks LS, *Craig KM, *Frank SE, *Mulder HS, and Kreiss DS (2014) Neonatal exposure to clomipramine is a behavioral rat model of Obsessive Compulsive Disorder offering not only face validity, but also predictive validity for the GABA agonist diazepam, the norepinephrine uptake inhibitor desipramine, the serotonin uptake inhibitor fluoxetine, and the serotonin 5HT2 antagonist mianserin. *Faculty for Undergraduate Neuroscience Conference*, Washington, D.C.
- *Belluardo J, *Bavley C, *Trychta K, *Pesch A, and Kreiss DS (2013) Comparison of two novel animal models of Obsessive Compulsive Disorder: Alteration of hole-poke and marble burying behaviors induced by either acute mCPP or neonatal clomipramine exposure. *Society for Neurosciences Conference*, San Diego, CA.
- *Bavley C, *Belluardo J, Rettstatt E, *Trychta K, and Kreiss DS (2013) Neonatal exposure to clomipramine is a model of Obsessive Compulsive Disorder with unique face and predictive validity. *Society for Neurosciences Conference*, San Diego, CA.
- *Rettstatt E, *Trychta K, *Kasparson L, *Krelko M, *Laiks L, *Panger J, *Walsh A, and Kreiss DS (2013)
E Op

B. Psychology Department, Neuroscience Program, Washington & Lee University

4) *Research Team on Animal Models of OCD* [PSYC 302] Fall '15, Spring '16

E. Life Sciences Department, Chattanooga State Community College

Human Anatomy & Physiology [BIOL 2010, BIOL 2020] Fall '08, Spring/Fall '09, Spring /Summer/ Fall '10, Spring '11

This two-semester course for students interested in allied Health careers overviewed the structure and function of the major organ systems of the body. The required laboratory component of the course exposed students to how anatomical features underlie the functioning of the human body.

F. Dept of Biological & Environmental Sci., Univ. of TN at Chattanooga

1) *Animal Physiology [BIOL 323]* Spring '05, Spring '06, Spring '07, Spring '08

The lectures of this upper-level course I created for Biology majors provided a detailed analysis of selected aspects of animal physiology. The required laboratory component of the course enabled students to experience current experimental approaches used to examine physiological mechanisms underlying behavioral output.

2) *Human Physiology [BIOL 208/209]* Fall '05, Fall '06, Fall '07, Fall '08

This lower division course for applied Health majors overviewed the function and dysfunction of the major organ systems of the human body. The required laboratory component of the course exposed students to the examination and measurement of human physiological functions.

3) *Physiological Psychology [PSY 314]* Fall '04, Fall '05, Fall '06, Fall '07, Fall '08

The lectures of this upper-level course for Psychology majors addressed the physiological bases of behavior with emphasis on the neurological processes mediating sensation, movement, cognitive functions, and behavior of humans.

G. Depts of Biology and Chemistry, Colby College

1) *Neurobiology [BIO 274]* Spring '03

The lectures of this course for Biology majors addressed the neurological processes mediating sensation, movement, cognitive functions, and behavior across the animal kingdom. The required laboratory component of the course enabled students to examine the neurophysiology of invertebrate behaviors.

2) *Human Anatomy and Physiology [BIOL 2010, BIOL 2020]*

Faculty for Undergraduate Neuroscience Mentor Award (Nov '08) for being one of the twelve national faculty-student teams selected for recognition at Society for Neurosciences Convention (Washington, DC)

\$ 1,000 Provost Student Research Award

Lauren Kasparson

Maikel Botros (Sept '06–May '07, UTC) Thesis: "*Complexation Studies of Mixed-Donor Ligands with the Heavy Metal Ions Hg(II) and Cd(II)*"

"Dopaminergic Regulation of Subthalamic Nucleus Neuronal Activity"

May '96 Postdoctoral Seminar Series, Oregon Health Sciences University.

April '95 Postdoctoral Seminar Series, National Institute of General Medical Sciences.

Panelist for Workshop "*Raising the Profile of Substance Abuse & Alcoholism Research*"

Mar '96 National Institute of Medicine.

Member of Department of Biology Vertebrate Biologist Faculty Search Committee.

(Nov '04-March '05) University of Central Arkansas.

Judge for Local Science Fair Competition. (March '05, '06, '08) Chattanooga Regional Science and Engineering Fair for high school and middle school students. Chattanooga, TN

Community Representative on Ethics Forum of Maine HealthReach Community Health Centers, Waterville, Maine. (Sept '02-July '04)

Member of Advisory Committee for the Chairman of the Department of Biology, University of Central Arkansas. (Aug '98-May '99; Aug '99-May '00) Elected by faculty to serve on this 3-person committee for two separate one-year appointments.

Member of Research Committee for College of Natural Sciences & Mathematics. (Aug '98-Aug '01) Elected by the faculty to serve on this University of Central Arkansas committee for a 3-year appointment.

Member of University Energy Conservation Committee. (Jan '99-Dec '01) Three year University of Central Arkansas appointment.

Member of University Committee for Sexual Harassment. (Aug '98-Aug '01) Three year University of Central Arkansas appointment.(.)] TJETQq0.00000912 0 612 792 reW* nBT/F7 11.04 TfcMeUnive

