

Curriculum Vitae

Jenelle Lynn Dorner

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Program in Neuroscience
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Education

- 2008 (anticipated) **Ph.D.** Neuroscience
Psychology
Indiana University, Bloomington, IN
- 2003 **M.S.** Kinesiology
University of Illinois, Champaign/Urbana, IL
- 1999 **B.S.** Animal Science (science option)
University of Illinois, Champaign/Urbana, IL

Awards & Honors

- 2004-2007 National Science Foundation Graduate Research Fellow
(\$30,000/yr)
- 2003-2004 Chancellor's Fellowship for graduate study in Neuroscience
(\$20,000/yr)
- 2003 Robert Sprague Thesis Award (\$750)
- 2001-2002 Foundation for Science and Disability Grant (\$1,000)
- 2001-2002 Mary J. Neer Scholarship (\$1,000)
- 1997-1999 O.S. Carmen Scholarship (\$1,000/yr)
- 1996 Margaret H. Lang Memorial Scholarship (\$500)
- 1994 CILCO Scholarship (\$1,000)

Research Experience

- 2006-Present Evaluation of sex differences and the effects of gonadal steroid hormones on striatal neurochemistry and electrophysiology and the behavioral phenotype in the 140 CAG knock-in mouse model of Huntington's disease, Indiana University, Principal Investigator: George V. Rebec, Ph.D.
- 2004-Present Electrophysiological analysis of striatal and nigral firing patterns in behaving R6/2 and 140 CAG mouse models of Huntington's disease, Indiana University, Principal Investigator: George V. Rebec, Ph.D.

2004-Present	Immunohistochemical analysis of the glial glutamate transporter in the striatum and cortex of the R6/2 and 140 CAG mouse models of Huntington's disease, Indiana University, Principal Investigator: George V. Rebec, Ph.D.
2003-Present	Voltammetric analysis of striatal ascorbate release in R6/2 and 140 CAG mouse models of Huntington's disease, Indiana University, Principal Investigator: George V. Rebec, Ph.D.
2003-Present	Ethological assessment of murine models of Huntington's disease, Indiana University, Principal Investigator: George V. Rebec, Ph.D.
Aug 2002-Aug 2003	Masters thesis project. The effects of static and dynamic visual cues on gait initiation in individuals with Parkinson's disease. University of Illinois, Champaign/Urbana, Principal Investigator: Karl S. Rosengren, Ph.D.
Summer/Fall 2002	Kinematic analysis of reaching in individuals with thoracic spinal cord injury. University of Illinois, Champaign/Urbana, Principal Investigators: Tania B. Flink, M.S. & Les G. Carlton, Ph.D.
May 2002- Dec 2002	Cross-cultural research study evaluating balance in children. University of Illinois, Champaign/Urbana, Principal Investigator: Karl S. Rosengren, Ph.D.
2001-2003	Several research projects in the Gait and Balance Laboratory including studies of balance and gait in older adults, Tai Chi practitioners, dancers and children, University of Illinois, Champaign/Urbana, Principal Investigator: Karl S. Rosengren, Ph.D.
Spring 2001	Assessment of motor development in 3 and 4 year olds, University of Illinois Child Development Laboratory, University of Illinois, Champaign/Urbana, Principal Investigator: Brent A. McBride, Ph.D.
Spring 1998	Evaluation of the effects of Neuro-peptide Y on feeding behavior of chicks, University of Illinois, Champaign/Urbana, Principal Investigator: Rodney W. Johnson, Ph.D.
Spring 1995	Evaluation of food preference and its association with gene expression in mice, University of Illinois, Champaign/Urbana, Principal Investigator: Neil Shay, Ph.D.

Publications

Abstracts

- Dorner, J.L.,** Miller, B.R. Rebec, G.V. (2005). Behavioral assessment of the 140 CAG Knock-in model of Huntington's disease. Program No 1009.12. 2005 *Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2005. CD-ROM.
- Dorner, J.L.,** Barton, S.J., Kennedy, C.R., Murphy-Nakhnikian, A., Rebec, G.V. (2004). Striatal ascorbate release dysfunction in murine models of Huntington's disease. Program No 564.19. 2004 *Abstract Viewer/Itinerary Planner*. San Diego, CA: Society for Neuroscience, 2004. CD-ROM.
- Dorner, J.L.,** Peterson, M.L., Rosengren, K.S. (2004). The effects of static and dynamic visual cues on gait initiation in individuals with Parkinson's disease. Gait and Clinical Movement Analysis Society conference. Lexington, KY.

Papers

- Dorner, J.,** Peterson, M., & Rosengren, K. (under review, *Gait and Posture*). The effects of visual cues on gait initiation in individuals with Parkinson's disease.
- Dorner, J.,** (1999, October). Kramer's Story. *Dystonia Discussions: A Newsletter for Young People with Dystonia*. *Dystonia Medical Research Foundation* 6 (1).
- Dorner, J.,** (1999, October). Winning Independence From Dystonia. *Common Ground: A Newsletter for 18- to 30- year-olds with Dystonia*. *Dystonia Medical Research Foundation* 3 (1).

Teaching Experience

Independent Teaching

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| Spring 2006 | Instructor, Introduction to Psychology Research Methods Laboratory Course, Psychology 153, Indiana University. |
| 2004-Present | Graduate mentor, Science, Technology, and Research Scholars Program, Indiana University. |
| Fall 2002 | Head graduate instructor, Kinesiology/ Human Development 262 Laboratory (Motor Development, Growth and Form), University of Illinois, Champaign/Urbana. |
| Summer 2002 (and 2001) | Graduate mentor Summer Research Opportunities Program for minority students, University of Illinois, Champaign/Urbana. |
| Fall 2001 | Graduate instructor for Kinesiology/Human Development 262 |

Laboratory (Motor Development, Growth and Form), University of Illinois, Champaign/Urbana.

Assistant and Administrative

- Spring 2002 Graduate assistant-administrative project for the Department of Kinesiology, University of Illinois, Champaign/Urbana.
- Spring 2001 Graduate assistant in 3-year-old classroom, Child Development Laboratory, University of Illinois, Champaign/Urbana.

Pedagogical Training

- Spring 2005 Student: The Teaching of Psychology, Psychology 660, Indiana University. Graduate course covering aspects of lecturing, grading and curriculum planning for undergraduate teaching in psychology.
- Fall 2001 Student: Teaching Assistant Orientation, University of Illinois, Champaign/Urbana.

Presentations

Posters

Miller, B.R., **Dorner, J.L.**, Rebec, G.V. The effects of ceftriaxone on GLT1 expression in R6/2 mice and its neurotherapeutic potential for Huntington's disease. Presented at **2006 Center for Integrated Study of Animal Behavior Conference**, Indiana University, Bloomington, IN.

Murphy-Nakhtnikian, A., **Dorner, J.L.**, Rebec, G.V. The substantia nigra reticulata is over inhibited in 140 CAG knock-in Huntington's disease mice. Presented at **2005 Indiana University Undergraduate Research Conference**, Indiana University-Purdue University, Indianapolis, IN.

Miller, B.R., **Dorner, J.L.**, Rebec, G.V. Ethological assessment of phenotype in the 140 CAG repeat knock-in murine model of Huntington's disease. Presented at **2005 Society for Neuroscience, Indianapolis Chapter Annual Meeting**, Indianapolis, IN.

Miller, B.R., **Dorner, J.L.**, Murphy-Nakhtnikian, A., Chapman, M.J. Rebec, G.V. Behavioral characteristics of the 140 CAG repeat knock-in model of Huntington's disease. Presented at **2005 Center for Integrated Study of Animal Behavior Conference**, Indiana University, Bloomington, IN.

Murphy-Nakhtnikian, A., **Dorner, J.L.**, Rebec, G.V. Effects of amphetamine on striatal ascorbate release in R6/2 transgenic Huntington's disease mice. Presented at **2005 Science**,

Technology, and Research Scholars Program Conference for undergraduate students,
Indiana University, Bloomington, IN.

Invited Talks

- March 2006 Presenter “The experience of disability as a college student”
Indiana University, Diverse Students on a College Campus
(EDUC-U546) Instructor: Thomas Nelson-Laird, Ph.D.
- March 2006 Presenter “Mobility related disability and service dogs”
Indiana University, Disabled Student Services Awareness Week
Invited by: Martha P. Jaques
- February 2006 Presenter “Tardive dyskinesia and dystonia”
Indiana University, Introduction to Psychology (P101)
Instructor: JoAnn Tracy, Ph.D.
- October 2004 Presenter “Operant conditioning and service dogs”
Indiana University, Introduction to Psychology (P101)
Instructor: Phillip M. Summers, Ph.D.
- February 2004 Presenter “Movement disorders: Neural pathophysiology and
rehabilitation” Indiana University, Motor Learning and Control
(HPER-P452) Instructor: Kristina A. Neely, M.S.
- March 2003 Lecturer “Perceptual Development”
University of Illinois, Kinesiology/Human Development (K262)
Instructor: Karl S. Rosengren, Ph.D.
- Jan 2003 Presenter: “Kinesiology and Neuroscience”
Philanthropic Educational Organization: Chapter BX
Peoria, IL Invited by: Frances G. Johnson
- Nov 2002 Presenter: “Dystonia and assistance dogs”
Dystonia Medical Research Foundation Worldwide Symposium
Miami, FL
- Oct 2002 Lecturer “Assessment of Motor Performance”
University of Illinois- Kinesiology/Human Development (K262)
Instructor: Karl S. Rosengren, Ph.D.

Sep 2002 & Mar 2002	Presenter “Disability culture and education” University of Illinois – The Culture of Disability (SPED 117) Instructor: Frank Rusch, Ph.D.
May 2002, Oct 2001 & May 2001	Presenter “The consumer experience of health care” Personal Mastery Program for teaching quality health care Champaign, IL Invited by: Mary Koloroutis R.N., B.S.N., M.S.
May 2001	Presenter “Dystonia and assistance dogs” Dystonia Medical Research Foundation Family Symposium Chicago, IL
Mar 2001, Mar 1999 & Oct. 1998	Presenter “Food Borne Illness” University of Illinois, Introduction to Food Science (FSHN 101) Instructor: Shelly Schmidt, Ph.D.
October 2000	Presenter “Disability and the school environment” Bradley University, Secondary Special Education (ETE 401) Instructor: Celia E. Johnson, Ed.D.
Nov 1999	Presenter “Tardive dyskinesia and dystonia” National Assoc. for Rights Protection & Advocacy conference Louisville, KY
Mar 1999	Presenter “Movement disorders” University of Illinois –Graduate courses in Special Education Instructor: Robert L. Sprague, Ph.D.
Feb 1999	Presenter “Medications and the risk of tardive dyskinesia” Illinois State Guardianship Committee Downstate Conference Champaign, IL
Feb 1999 & Feb 1998	Presenter “Tardive dyskinesia and dystonia” University of Illinois – Movement disorders (K394) Instructor: Robert L. Sprague, Ph.D.
Oct 1998	Presenter “Tardive dyskinesia and dystonia” MacFarlan Mental Health Center Springfield, IL
Oct 1998	Presenter “Disability education and awareness” Community United Church of Christ Women’s Association Champaign, IL
Mar 1998	Presenter “Tardive dyskinesia and dystonia”

Lincoln Developmental Center
Lincoln, IL

- Mar 1998 Presenter “Disability education and assistance dogs”
C.B. Smith Primary School (Pre-K – 3rd Grade)
Pekin, IL
- Mar 1998 Presenter “Prescribing medications and informing patients”
University of Illinois, McKinley Health Center
Urbana, IL
- Jan 1998 Testimony regarding Bill S-103
Judiciary House Committee Vermont Legislature
Montpelier, VT
- Spring & Fall 1997 Presenter “Disability education and awareness”
Bradley University, Exceptional Child (ETE 324)
Instructor: Celia E. Johnson, Ed.D.
- Spring & Fall 1997 Presenter “Society and disability culture”
Bradley University, Cultural Diversity (ETE 219)
Instructor: K. Paul Kasambira, Ed.D.

Service and Extracurricular Activities

- 2006-present Tibetan Cultural Center Member (Bloomington, IN)
Aug 2003-present Council for Community Accessibility (Bloomington, IN)
October 2002- Aug 2003 Champaign County Health Care Consumers
Nov1999-June 2000 Mentor -Big Brothers/Big Sisters of Monroe County
Aug1999-present Dystonia Medical Research Foundation –Junior Board
June 1999-Nov 2000 Council for Community Accessibility (Bloomington, IN)
Jan 1998-present Public advocate for people with disabilities
Fall 1997-Spring 1998 Companion Animals Club -Publicity Director
Fall 1997 University of Illinois Women’s Wheelchair Basketball Team
1995 - 1996 United Church Foundation -executive team

Professional Organizations

Society for Neuroscience
American Association for the Advancement of Science
Dystonia Medical Research Foundation

References Available upon request
Additional work history Available upon request