

Curriculum Vitae

Alex Michael Babcock, Ph.D.

Professor
Department of Psychology
Montana State University
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EDUCATION

Postdoctoral Fellow (1985-1987), Laboratory of Neuroendocrinology and Brain Research Institute, Department of Anatomy, UCLA School of Medicine, Los Angeles, CA. USA

Ph.D. Experimental Psychology (1985), Colorado State University, Fort Collins, CO. USA

B.S. Psychology (1981), Colorado State University, Fort Collins, CO. USA

PROFESSIONAL EXPERIENCE

2003-present: Full Professor, Department of Psychology, Montana State University, Bozeman, MT.

2004-present. Affiliate Faculty Division of Health Sciences

2004-present. Graduate Program Director, Department of Psychology Master's Program in Applied Psychology.

2003-present. Vice-Chair of MSU Institutional Animal Care and Use Committee (IACUC).

2004: Visiting Research Professor (sabbatical), Department of Psychology, University of Otago, New Zealand.

2002-present: Faculty Affiliate, Complex Biological Systems program, Department of Cell Biology & Neuroscience, Montana State University. Bozeman MT.

1998-2003: Department Chair, Department of Psychology, Montana State University, Bozeman, MT.

1995-2003: Associate Professor, Department of Psychology, Montana State University, Bozeman, MT.

1991-1995: Assistant Professor, Department of Psychology, Montana State University, Bozeman, MT.

1987-1991: Assistant Professor, Department of Psychology, Univ. of South Alabama, Mobile, AL.

1986-1987: Instructor, Department of Psychology, Santa Monica Community College, Santa Monica, CA.

1985-1987: Postdoctoral Fellow, Laboratory of Neuroendocrinology and Brain Research Institute, Department of Anatomy, UCLA School of Medicine, Los Angeles, CA.

AWARDS AND HONORS

Internal Advisory Board Member, IMSD grant, Montana State University (2005)

Alumni Associate/Bozeman Area Chamber of Commerce Award of Excellence, Montana State University (2003)

Idaho/Montana American Heart Association Research Committee Member (1996-99)

External Reviewer for Merit Proposals, Department of Veterans Affairs (1997)

NIH/NIGM Review Panel (1996)

National American Heart Association Affiliate Study Group Member (1995-98)

Montana State University Mortar Board Professor of the Month (1995)

Montana State University Alumni Teaching Award (1996)

PROFESSIONAL MEMBERSHIP

Society for Neuroscience

SACNAS (Society for the advancement of Chicanos and Native Americans in Science)

American Psychological Association

American Psychological Society

International Behavioral Neuroscience Society

Western Pharmacology Society (Past Member)

PUBLICATIONS AND PAPERS

Journal Articles

Rau, T., Weedon, C., Bullshields, K., Coombs, K., McNeill, D. Babcock, A.M., Poulsen, D.J. Methamphetamine administration following transient ischemic insult is neuroprotective. *In Preparation*.

Babcock, A.M., Standing, D., Bullshields, K., Spencer, K., Micevych, P.E., Poulsen, D.J. Over expression of hippocampal Ca²⁺/calmodulin-dependent protein kinase II improves spatial memory. *In Preparation*.

Babcock, A.M., Coombs, K., Standing, D., Bullshields, K., Spencer, K., Poulsen, D.J. Impairment in a delayed matching-to-place task following intrahippocampal infusion of AAV encoding EAAC1 antisense. *In Preparation*.

Babcock, A.M., Standing, D. Bullshields, K., Schwartz, E., C.M. Paden, Poulsen, D.J. (2005). *In vivo* inhibition of hippocampal Ca²⁺/calmodulin-dependent protein kinase II by RNA interference. *Molecular Therapy*. 11:899-905.

Babcock, A.M., Wright, J., Bjerckness, D., Hartman, H. & Tall Bear, N. (2002). Effects of prior apparatus experience and novelty of testing environment on locomotor activity following MK-801. *Physiology and Behavior*, 77:177-181.

Babcock A.M., Everingham, A., Paden, C.M. & Kimura, M. (2002). Baclofen is neuroprotective and prevents loss of calcium/calmodulin dependent protein kinase II immunoreactivity in the ischemic gerbil hippocampus. *Journal of Neuroscience Research*, 67:804-811.

Babcock, A.M., Liu, H., Paden, C.M., Churn, S.B. & Pittman, A. (1999). *In vivo* glutamate neurotoxicity is associated with reductions in calcium/calmodulin-dependent protein kinase II immunoreactivity. *Journal of Neuroscience Research*, 56, 36-43.

Babcock, A.M., & Graham-Goodwin, H. (1997). Importance of preoperative training and maze difficulty in task performance following hippocampal damage in the gerbil. *Brain Research Bulletin*, 42, 415-419.

Babcock, A.M., Liu, H., Paden, C., Edmo, D., Popper, P, & Micevych, P.E. (1995). Transient cerebral ischemia decreases calcium/calmodulin-dependent protein kinase immunoreactivity, but not mRNA levels in the gerbil hippocampus. *Brain Research*, 705, 307-314.

Lynch, W.C., Hart, P., & Babcock, A.M. (1994). Neuropeptide Y attenuates satiety: evidence from a detailed analysis of pattern ingestion. *Brain Research*, 636, 28-34.

Babcock, A.M., Baker, D.A., & Lovac, R. (1993). Locomotor activity in the ischemic gerbil. *Brain Research*, 625, 351-354.

Babcock, A.M., Baker, D.A., Hallock, N., Lovac, R., Lynch, W.C., & Peccia, J. (1993). Neurotensin-induced hypothermia prevents hippocampal neuronal damage and locomotor activity in ischemic gerbils. *Brain Research Bulletin*, 32, 373-378.

Lynch, W.C., & Babcock, A.M. (1993). Effects of bombesin on temporal patterns of ingestion in the rat. *Physiology and Behavior*, 53: 1223-1226.

Babcock, A.M., Baker, D.A., & Moody, T.W. (1992). Bombesin-induced hypothermia: a dose-response and receptor antagonist study. *Pharmacology, Biochemistry, and Behavior*, 43: 957-960.

Babcock, A.M., Barton, C., Gunion, M.R., & Rosenthal, M.J. (1992). Bombesin-induced hypothermia and hypophagia are associated with plasma metabolic fuel alterations in the rat. *Physiology and Behavior*, 51: 933-938.

Babcock, A.M., & Maisel, M.M. (1991). Bombesin produces hypothermia in rats pretreated with 2-deoxy-D-glucose. *Brain Research Bulletin*, 26: 442-444.

Babcock, A.M., & Barton, C. (1990). Microinfusion of bombesin into the hypothalamic paraventricular nucleus produces hypothermia in the insulin pretreated rat. *Pharmacology, Biochemistry and Behavior*, 36: 863-867.

Barton, C., & Babcock, A.M. (1990). Refeeding attenuates bombesin-induced hypothermia in the rat. *Brain Research Bulletin*, 25: 775-777.

Babcock, A.M., Barton, C., Herdon, F. & Perez, L. (1989). Bombesin produces hypothermia in insulin-treated rats. *Neuropharmacology*, 28(4): 437-440.

Bloch, G.J., Dornan, W.A., Babcock, A.M., Gorski, R.A., & Micevych, P.E. (1989). Effects of site-specific CNS microinjection of cholecystokinin on lordosis behavior in the male rat. *Physiology and Behavior*, 46: 725-730.

Babcock, A.M., Barton, C., & Keene, T. (1989). Bombesin-induced hypothermia in food-deprived rats. *Pharmacology, Biochemistry, and Behavior*, 34(3): 539-544.

Babcock, A.M., & Barton, C. (1989). Bombesin-induced hypothermia in the insulin-treated rat: effect on tail skin temperature. *Perceptual and Motor Skills*, 69: 1339-1345.

Babcock, A.M., Bloch, G.J., Gorski, R.A., & Micevych, P.E. (1988). Injections of CCK-8 into the VMN inhibits lordosis behavior in the rat. *Physiology and Behavior*, 43: 195-199.

Bloch, G.J., Babcock, A.M., Gorski, R.A., & Micevych, P.E. (1987). Cholecystokinin stimulates and inhibits lordosis behavior in female rats. *Physiology and Behavior*, 39: 217-224.

Bloch, G.J., Babcock, A.M., Gorski, R.A., & Micevych, P.E. (1987). Intraventricular (i.c.v.) CCK-8 influences lordosis behavior but not male copulatory behavior in the male rat. *Neuroendocrinology Letters*, 9(3): 37.

Babcock, A.M., & Wunder, B.A. (1984). Effects of bombesin on body temperature and oxygen consumption in food-deprived rats. *Neuropharmacology*, 23: 1357-1358.

Babcock, A.M., Livovsky, M., & Avery, D.D. (1984). Cholecystokinin and bombesin suppress operant responding for food reward. *Pharmacology, Biochemistry, and Behavior*, 22: 893-895.

Babcock, A.M., Avery, D.D., & Maitland, K.L. (1984). Suppression of operant responding for food and water reinforcement following intraventricular injections of bombesin in the rat. *Life Sciences*, 36: 981-985.

Abstracts and Presentations

Rau, T.F., Coombs, K.M., Weeden, C.S., McNeill, D., Babcock, A.M., Poulsen, D.J. (2006). Methamphetamine is neuroprotective as an acute, post stroke treatment. *Society for Neuroscience Meeting*.

Babcock, A.M., Coombs, K., Kavanaugh, M. and Poulsen, D. (2006) Inhibition of Hippocampal Glutamate Transporter 3 (EAAC1) Using AAV Antisense Delivery: Effects of Working Memory. *AWCBR (Queenstown NZ; August)*

Horn, D., Moreno, H., Limpy, T. Babcock, A.M. (2006). Open field behavior in the ischemic gerbil. *National Leadership Alliance meeting, Chantilly, VA.*

Moreno, H., Limpy, T., Horn, D., Babcock, A.M. (2006). Neuroprotective Efficacy of Amphetamine: Histological Assessment using DAPI. *National Leadership Alliance meeting, Chantilly, VA.*

Limpy, T., Moreno, H., Horn, D., Babcock, A.M., Poulsen, D. (2006). Amphetamine Protects Hippocampus from Ischemic Damage: A Behavioral and Histological Analysis. *National Leadership Alliance meeting, Chantilly, VA.*

Spencer, K. Babcock, A.M.; faculty sponsor (2006). In vivo effects of mRNA-mediated Calcium-Calmodulin Kinase II Expression in the Rat Hippocampus. *Undergraduate Scholars Conference, Montana State University.*

Coombs, K. Kavanaugh, M., Poulsen, D. and Babcock, A.M. (2006). Impairment in a Delayed Matching-to-Place task following Intrahippocampal Infusion of EAAC1 Antisense. *Western Psychological Association Meeting (April).*

Spencer, K., Poulsen, D., Kavanaugh, M. and Babcock, A.M. (2006). The Effects of mRNA-Mediated Calcium-Calmodulin Kinase II Expression in the Rat Hippocampus in Vivo. *Western Psychological Association Meeting (April).*

Matthew L. Beckman, M.L., Leary, G., Awes, A., Esslinger, C.S., Poulsen, D. Babcock, A.M., Kavanaugh, M. (2005). The Neuronal Glutamate Transporter EAAT3 Influences Synaptic Plasticity. *Society for Neuroscience Meeting*.

Stolba, J., Babcock, A.M.; faculty sponsor (2005). Suppression of Hippocampal EAAC1 Impairs Spatial Learning: *In Vivo* Antisense Knockdown Model. *USP Conference, Montana State University.*

Bighead, C., White, V. Bullshields, K., Babcock, A.M., Poulsen, D. (2005). AAV Mediated Alpha CaM Kinase II Knockdown and Up-regulation: Behavioral and Immunocytochemical Analysis. *Leadership Alliance Meeting*.

Babcock, A.M. (2004). Understanding stroke. Seminar presentation, Dept of Psychology, *Univ of Otago New Zealand*.

Babcock, A.M. (2003). Gene silencing by Adenovirus-Delivered siRNA: Applications in behavioral neuroscience. *CBS Seminar (June 25th) and MT BRIN Summer Faculty Institute (August 12th)*

Warren, V., Babcock, A.M. (faculty mentor) (2003). Gene silencing: RNAi mediated inhibitor of CAM kinase II. *Leadership Alliance Meeting*.

Babcock, A.M., Poulsen, D.J. Allen, S., Knisely, A., Paden, C.M. (2003). siRNA mediated inhibition of hippocampal calcium calmodulin kinase II. *Society for Neuroscience meeting*.

Babcock, A.M., Hoopes, B.J., Kimura, M., Paden, C.M. (2002). In vivo inhibition of hippocampal calcium calmodulin kinase II using antisense oligodeoxynucleotides. *Society for Neuroscience*.

Jaramillo, J., Allen, S., Belcher, H., Hoopes, B., and Babcock, A.M. (2002). Understanding Ischemic Cell Death: In vivo inhibition of calcium calmodulin kinase II using antisense oligonucleotides. *National Leadership Alliance meeting, Atlanta, GA*.

Show, J., Babcock, A.M., & Kimura, M. (2001). Hypothermia prevents hippocampal CaM kinase translocation and behavioral changes in the ischemic gerbil. *Annual Biomedical Research Conference for Minority Students*.

Babcock, A.M., Show, J., Kimura, M., Hoopes, B.J. (2001). Role of calcium/calmodulin kinase II activation in ischemic cell death. *International Behavioral Neuroscience Society*.

Whitford, F.W. & Babcock, A.M. (2001). A Survey of Effects of Presentation Software on Course Evaluations and Student Grades. *23rd Annual National Institute on the Teaching of Psychology*.

Babcock, A.M., Hartman, H., Wright, J & Bjerkness, D. (1998). NMDA receptors and locomotor activity: possible role of the hippocampus. *Seventh International Behavioral Neuroscience Society Conference*.

Whitford, F.W. & Babcock, A.M. (1998). A Survey of Student Computer Knowledge: Bytes They Own Away from Home. *20th Annual National Institute on the Teaching of Psychology*.

Tallbear, N., Babcock, A.M., Wright, J., Bjerkness, D., & Hartman, H. (1998). MK-801 and locomotor activity: effects of prior apparatus experience and novelty of testing environment. *National Minority Research Symposium*.

Babcock, A.M., Hartman, H., Wright, J & Bjerkness, D. (1998) NMDA receptors and locomotor activity: possible role of the hippocampus. *Seventh International Behavioral Neuroscience Society Conference*.

Whitford, F.W. & Babcock, A.M. (1997). Student grades: Where They Sit and What They Get. *19th Annual National Institute on the Teaching of Psychology*.

Babcock, A.M., Tallbear, N., Sweeney, B.M., Wright, J., & Bjerkness, D. (1997). The effects of MK-801 on habituation: role of previous task experience. *1997 National Minority Research Symposium*.

Cobell, K., Tallbear, N., & Babcock, A.M. (1997). Effects of MK-801 on working memory. *AIRO Summer Symposium (Bozeman, MT)*

Babcock, A.M., Everingham, A., & Long, K. (1997). Effects of baclofen on working memory and hippocampal calcium calmodulin kinase II in the ischemic gerbil. *Sixth International Behavioral Neuroscience Society Conference*.

Babcock, A.M. and Long, K. (1996). Importance of maze difficulty and preoperative training in task performance following hippocampal damage *National Minority Research Symposium*.

Nollkamper, J., Babcock, A.M., & Paden, C.M. (1995). Calcium/calmodulin kinase II immunoreactivity in the hippocampus of the gerbil after forebrain ischemia. *NIGMS Minority Program Symposium Abstract*

Babcock, A.M., Nollkamper, J., W.C. Lynch & Paden, C.M. (1995). Recovery of calcium calmodulin kinase II immunoreactivity in the hippocampal CA3 region following 5-min transient ischemic insult in the gerbil. *Neurosci. Abstr.*, 21.

Babcock, A.M., Graham-Godwin, H.M., Ankeny, K. & Greenberg J. (1995). Delayed non-match to position task in the ischemic gerbil: effects of pretraining. *Fourth International Behavioral Neuroscience Society Conference*.

Babcock, A.M. Nollkamper, J., Paden, C.M. Micevych, P.E. and Popper, P. (1994). Effects of transient cerebral ischemia on calcium calmodulin kinase II mRNA levels in the gerbil hippocampus. *Neurosci. Abstr.*, 20.

Lynch, W.C., Babcock, A.M., & Hart, P. (1993). Neuropeptide Y (NPY) effects on patterns of ingestion: comparison with food and water deprivation, and variations in ingestant palatability. *Neurosci. Abstr.*, 19.

Kapin, M.A., & Babcock, A.M. (1993). BMS-183729 prevents memory loss in the ischemic gerbils. *Neurosci. Abstr.*, 19.

Babcock, A.M., & Lomax, P. (1993). Locomotor activity in the ischemic gerbil. *Neurosci. Abstr.*, 19.

Babcock, A.M. (1993). Neuroprotective agents in stroke: neurotensin in the ischemic gerbil. *Montana Psychological Association, Annual Meeting*.

Babcock, A.M. (1992). Current concepts in cerebral ischemia: basic research and clinical implications. *Montana Psychological Association, Annual Meeting*.

Lynch, W.C., Rominger, C., & Babcock, A.M. (1992). Effects of neuropeptide Y on temporal patterns of ingestion. *Montana Psychological Association, Annual Meeting*.

Lynch, W.C., Rominger, C., & Babcock, A.M. (1992). Neuropeptide effects on temporal patterns of ingestion. *Winter Peptide Conference*.

Babcock, A.M., Lomax, P., & Moody, T.W. (1991). Bombesin-induced hypothermia in hypoglycemic rats: a dose-response study. *Neurosci. Abstr.*, 17.

Babcock, A.M., & Maisel, M. (1991). Bombesin produces hypothermia in 2-deoxy-D-glucose pretreated rats. *Southeastern Psychological Association Meeting*.

Babcock, A.M., Gunion, M.W., & Barton, C. (1990). Microinfusion of bombesin into the preoptic area of the hypothalamus increases plasma glucose and free fatty acids in the rat. *Southeastern Psychological Association Meeting*.

Babcock, A.M., Gunion, M.W., Rosenthal, M.J., Lomax, P., & Barton, C. (1990). Bombesin infusion into the preoptic area alters plasma metabolic fuels and produces hypothermia in food-deprived and insulin-pretreated rats. *Neurosci. Abstr.*, 16.

Babcock, A.M., & Barton, J.C. (1989). Microinfusion of bombesin into the preoptic area produces hypothermia in insulin-treated rats. *Neurosci. Abstr.*, 15.

Babcock, A.M., & Barton, J.C. (1989). Bombesin-induced hypothermia in insulin-treated rats. *40th Annual MPA Meeting*.

Barton, J.C., & Babcock, A.M. (1989). Effect of bombesin on core body temperature and serum metabolic fuels. *40th Annual MPA Meeting*.

Perez, L., Tyler, K., & Babcock, A.M. (1988). Effects of haloperidol on bombesin-induced hypothermia and aphagia in food-deprived rats. *Neurosci. Abstr.*, 14.

Babcock, A.M., Barton, J.C., Bloch, G.J., & Micevych, P.E. (1988). Vagotomy blocks the peripheral effects of CCK-8 on lordosis behavior in the rat. *Neurosci. Abstr.*, 14.

Bloch, G.J., Dornan, W.A., Babcock, A.M., Gorski, R.A., & Micevych, P.E. (1988). Lordosis response to site-specific cholecystokinin in the male. *Neurosci. Abstr.*, 14.

Babcock, A.M., Bloch, G.J., Gorski, R.A., & Micevych, P.E. (1987). Injections of CCK-8 into the VMN inhibit lordosis behavior in the rat. *Neurosci. Abstr.*, 13.

Lavine, S., Babcock, A.M., Lomax, P., & Micevych, P.E. (1986). Cold exposure potentiates bombesin-induced hypothermia in food-deprived rats. *Neurosci. Abstr.*, 12: 222.

Micevych, P.E., Babcock, A.M., Matt, D.W., & Lu, J.K.H. (1986). Cholecystokinin inhibits K⁺ stimulated LHRH release from male and female rat hypothalami *in vitro*. *Neurosci. Abstr.*, 12: 1415.

Babcock, A.M., Bloom, D., Bloch, G.J., & Micevych, P.E. (1986). Cholecystokinin does not effect sexual behavior in male rats. *Neurosci. Abstr.*, 12: 674.

Bloch, G.J., Babcock, A.M., Gorski, R.A., & Micevych, P.E. (1986). Cholecystokinin (CCK-8) stimulates and inhibits lordosis behavior in female rats. *Neurosci. Abstr.*, 12: 673.

Bloch, G.J., Babcock, A.M., Gorski, R.A., & Micevych, P.E. (1986). Cholecystokinin facilitates lordosis behavior. *68th Meeting of the Endocrinology Society*.

Babcock, A.M., & Wunder, B.A. (1985). Bombesin-induced hypothermia in food-deprived rats is not related to changes in metabolic rate. *Winter Peptide Conference*.

FUNDING

American Heart Association (Grant-in-Aid) A.M. Babcock, P.I. "Mechanism of Hippocampus sensitivity to Cerebral Ischemia". Total Direct (3 yrs) ~\$198,000. Pending

NIH (RO1) subcontract with Dr. Michael Kavanaugh (P.I.), University of Montana, Department of Pharmaceutical Sciences. Funded- Total direct (5 yrs) ~\$25,000.

NIH-NCRR BRIN travel grant. Sabbatical visit to University of Otago, Dunedin New Zealand \$4,000. Funded 1/04.

NIH-NCRR BRIN mini-grant program Use of AVV as a vector for CaM kinase II α antisense oligonucleotide production *in vivo* (A.M. Babcock P.I.) \$10,000. Funded 11/02.

NIH Initiative for Minority Student Development (2 R25-GM056806-05) \$1,243,236 (J. McMillan P.I.) 02-05.

NIH "AIDS Prevention among inner-city women I (Supplement)" \$82,643 (A.M. Babcock & S. Young Co-P.I.s) 2/99-2/00

American Heart Association (MT Affiliate) Summer Fellowship Program \$4,000 (Maki Kamura, Dept. of Biology) A.M. Babcock sponsor, 2000.

NIH Institutional Development Award Program (P20 RR10169-01) "Role of CaM kinase in ischemic brain damage" (T. North P.I. Total project Cost \$232,632) 1995-1998.

NIH Minority Biomedical Research Support (MBRS) Program Subproject "Molecular and Behavioral Mechanisms of Cerebral Ischemia." (D. Young, P.I., Total for 12 Investigators; \$1,448,512) Funded, 1994-97.

NIH Institutional Development Award (P20 RR09192-01) Subproject "Calcium/calmodulin Kinase II mRNA in the Ischemic Gerbil Brain." (T. North, P.I.; \$200,000) Funded, 1993-94.

NIH Minority Access to Research Careers (MARC) Core Faculty Member, (D. Young, P.I., Total Program Cost \$573,104) Funded, 1993-98.

Alcon Laboratories, Inc. Service contract to evaluate neuroprotective efficacy of new compounds. (A.M. Babcock, PI) \$6,000, 1992.

NSF (MONTS Program) "Purchase of a Biorad Viewscan DVC-250, Direct View, Real Time Confocal Microscope" (A. Rusoff and C. Paden, Co-P.I.; Contributed subproposal "Mechanism of reduction of calcium/calmodulin kinase II after cerebral ischemia" Total Costs \$66,365) Funded through V.P. Office, 1994.

American Heart Association (Montana Affiliate) "Hypothermia and Neuroprotection: Effects on Calcium/Calmodulin Dependent Kinase II mRNA." (M. Babcock, P.I., Total Costs \$12,000) Funded, 1993-94.

College of Letters and Science Research Creativity Program. "SDS Gel Electrophoresis: Assessment of CaM Kinase Activity Following Ischemia" (M. Babcock, P.I., Total Costs \$1,945) Funded, 1994.

NSF (MONTS Program) "Hypothermia and Neuroprotection: Effects on Calcium/Calmodulin Dependent Kinase II mRNA." (M. Babcock, P.I., Total Costs \$15,015) Funded, 1993-94.

American Heart Association (Montana Affiliate) "Peptides as Neuroprotective Agents in Cardiovascular Disease and Stroke." (M. Babcock, P.I., Total Costs \$19,309) Funded, 1992-93.

NSF (MONTS Program) "Peptides as Neuroprotective Agents in Cardiovascular Disease and Stroke." (M. Babcock, P.I., Total Costs \$5,000) Funded, 1992-93.

College of Letters and Science Research Creativity Program "Neuroprotective Agents in Stroke: Enhancement of Histological Evaluation Facilities." (M. Babcock, P.I., Total Costs \$3,000) Funded 1992.

Laboratory of Neuroendocrinology Trainee Award, UCLA School of Medicine, USPHS Training Grant; T32 HD07228-06. "Neural Regulation of Reproduction." (P.E. Micevych, Mentor Total Cost \$793,553). Funded 1985-87.

COURSES TAUGHT

Introductory Psychology (PSY100S)
Freshman Seminar (CLS101V)
Physiological Psychology Lab (PSY303)
Sensation and Perception Lab (PSY313)
Graduate level Physiological Psychology

Inquiry and Perspectives (CLS 121)
Physiological Psychology (PSY301)
Sensation and Perception (PSY311)
Psychopharmacology (Seminar)
Frontiers of Neurobiology (guest lectures)