

Melanie M. Kercher  
Associate Professor  
Psychology & Philosophy  
Humanities & Social Sciences

### **Degrees Earned**

Degree, Major, (minor – optional), Institution, Year  
Ph.D., Experimental Psychology, Baylor University, 1979  
M.A., Experimental Psychology, Baylor University, 1972  
B.A., Psychology, Baylor University, 1969

### **Peer-Review Publications and Artistic Performances/Exhibitions**

#### **Articles**

**Wilson, C., Cone, K., Kercher, M., Hibbits, J., Fischer, J., VanLake, A., and Bunge, J. (2005).** Effects of Naloxone and Ketamine on Open-Field Activity in Rats. *Pharmacology, Biochemistry and Behavior*.

**Wilson, C., Kercher, M., Kapllanaj, B. Murphy, A., Fiegel, C., & McLaurin, A. (2006).** Effects of age and sex on ketamine-induced hyperactivity in rats. In review).

**Wilson, C. Knobloch, D., Sapio, S., Kelsey, K., Bledsoe, M., & Kercher, M. (2006).** Effects of age and sex on ketamine-induced hyperactivity in mice. In preparation.

**Wilson, C., Nungaray, K., Garza, M., Raska, J., Lutterschmidt, W., and Kercher, M.** The effects of transport response elicitation on subsequent activity in rat pups. In preparation.

#### **Chapters**

**Kercher, G. A. and Kercher, M. M. (1979).** "Functional Disorders and Physical Handicaps." Chapter in *Juvenile Justice Procession and the Disposition of Juveniles with Special Problems*. By Berkman, D. J. and Smith, C. P. Report submitted to the National Institute for Juvenile Justice and Delinquency Prevention.

**Kercher, M. M. and Wilson, C. (1990, 1993, 1995).** "A Quick Guide to Research Methodology." Chapter in *Research Methods in Psychology: An Introductory Laboratory Manual*. By Wilson, C. Dubuque: Kendall/Hunt.

#### **Research Monographs and Technical Reports**

**Kordinak, S. T. and Kercher, M. M. (2002).** A faculty survey of attitudes toward online evaluation, the measure of teaching effectiveness and satisfaction with the current faculty evaluation form.

### **Funded External Grants**

With **R. R. McNeese and J. Wilson**. Faculty grant to study potential effects of low intensity electric fields on emotional, learning and motivational processes in the rat (1978).

### **Peer-Review Presentations/Posters**

**Kercher, M. M. and McNeese, R. R. (1979)**. The effects of perinatal exposure to frequency, low intensity electric fields on body weight and open-field activity in the rat. Southwestern Psychological Association Convention.

**Kercher, M. M. and Wilson, J. (1983)**. The effects of low intensity (10v/m), extremely low frequency (7, 10, 14, and 20 HZ) electromagnetic fields on time perception and the electroencephalogram. Southwestern Psychological Association Convention.

**McNeese, R. R., Kercher, M. M., and Wilson, J. (1983)**. Effects of low Intensity (30 v/m), extremely low frequency (0.5 and 7 HZ) electrical fields on rats. Southwestern Psychological Association Convention.

**Kercher, M. M. and Pietz, C. (1984)**. The effects of low intensity (30 v/m), extremely low frequency (7 and 13 HZ) electromagnetic fields on time perception. Southwestern Psychological Association Convention.

**Neunuebel, P. and Kercher, M. M. (1987)**. How are we going to do this: Muddling through the first five years. Symposium on graduate education in Psychology. Southwestern Psychological Association Convention.

**Kercher, M. M. and Hoelscher, R. (1992)**. Background music and sensation seeking: Their relationship to the performance of cognitive tasks. Southwestern Psychological Association Convention.

**Kercher, G. A. and Kercher, M. M. (1998)**. The science and ethics of castrating sex offenders. Southwestern Criminal Justice Association Convention.

**Kercher, M. M., Kordinak, S. T. and Neunuebel, P. (1999)**. The GRE and GRE advanced as predictors of graduate success. Paper presented at the Southwestern Psychological Association Convention.

**Kordinak, S. T. and Kercher, M. M. (2003)**. A study of the student evaluation forms in the College of Education and Applied Science: computer vs. paper administration, test-retest reliability and other issues. Paper presented at the Texas Association of College Teacher Legislative Conference, Austin, TX.

**Johnson, g., Murphy, A., Kercher, M. and Wilson, C. (2005)**. Effects of haloperidol on ketamine-induced hyperactivity in rats. Paper presented at the Southwestern Psychological Association.

**Murphy, A., Kapllanaj, B., Kercher, M. and Wilson, C. (2005).** Effects of age and sex on ketamine-induced hyperactivity in rats. Presented at the Southwestern Psychological Association.

**Work or Professional Experiences**

Undergraduate

PSY 131, Introduction to Psychology

PSY 234/214, Introduction to Research Methods

PSY 387.317, Introduction to Behavioral Statistics

Graduate

PSY 581, Advanced Learning Theory

PSY 587, Advanced Statistics

PSY 588, Advanced Experimental Design

Currently

PSY 387, 3 sections

PSY 317, 2 sections

**Other Competencies**

Degree Plan Advisor -- 1995 to present

SACS Liaison -- Psychology Department – 2005 to present