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Education

1991 B.S. (Zoology & Physiology) University of Wyoming
1994 M.S. (Zoology & Physiology) University of Wyoming
2005 Ph.D. (Biology) Arizona State University

Research and Professional Experience

2007 – present Assistant Professor, Biomedical Sciences, Marquette University, Milwaukee, WI
2005 – 2007 Post-doctoral Fellow, University of Bristol, United Kingdom. Cellular mechanisms of stress hormone actions in the brain
2005 Dissertation: Cellular Mechanisms of Rapid Glucocorticoid Action in the Vertebrate Brain
1995 – 1997 Research Technician, Los Alamos National Laboratory, Los Alamos, NM
1994-1995 Instructor, Northern Wyoming Community College, Sheridan, WY

Academic and Professional Honors

2011 Edward W. Carroll Award for Teaching Excellence, Marquette University College of Health Sciences
2006 Blue Riband Prize, Physiological Society Focused Meeting on Frontiers in Stress Research
2005-2007 National Science Foundation International Research Fellowship
2003 Trainee Poster Award, Society for Behavioral Neuroendocrinology
1999 Outstanding Teaching Associate Award, Department of Biology, Arizona State University
1997-2000 University Graduate Scholars Fellowship, Arizona State University
1991 Phi Beta Kappa

Grants

2005-2007 National Science Foundation International Postdoctoral Research Fellowship: Serotonergic regulation of neuroendocrine, autonomic, and behavioral responses to acute stress: the role of the dorsomedial hypothalamus. \$153,868

Publications

Hill JE, Makky K, Shrestha L, Hillard CJ, **Gasser PJ**. (2010) Natural and synthetic corticosteroids inhibit uptake₂-mediated transport in CNS neurons. *Physiol Behav* 104: 306-311.

Gasser PJ, Orchinik M, Raju I, Lowry CA (2009) Distribution of organic cation transporter 3, a corticosterone-sensitive monoamine transporter, in the rat brain. *J Comp Neurol*. 512 (4): 529-555.

Gasser PJ, Lowry CA, Orchinik M (2009) Acute corticosteroid action in the brain: mechanisms and implications. In: "Hormones, Brain, and Behavior" 2nd edition, D. Pfaff, A. Arnold, A. Etgen, S. Fahrbach, R. Rubin, eds. Academic Press, San Diego.

Lowry CA, Hale MW, Evans AK, Heerkens J, Staub D, **Gasser PJ**, Shekhar A (2008) Serotonergic systems, anxiety, and affective disorder: focus on the dorsomedial part of the dorsal raphe nucleus. In: "Stress, Neurotransmitters, and Hormones: Neuroendocrine and Genetic Mechanisms" R. Kvetnansky, G. Aguilera, D. Goldstein, D. Jezova, O. Krizanova, E. Sabban, K. Patek, eds. *Ann. NY Acad. Sci.* 1148: 86-94.

Lowry CA, Evans AK, **Gasser PJ**, Hale MW, Staub DR, Shekhar A (2008) Topographic organization and chemoarchitecture of dorsal raphe nucleus and the median raphe nucleus. In: "Serotonin and sleep:

Molecular, Functional and Clinical Aspects". Monti JM, Pandi-Perumal SR, Jacobs BL, Nutt DJ (Eds) Birkhauser Verlag AG, Basel, Switzerland.

Gasser PJ, Orchinik M (2007) Vasopressin-induced translocation and proteolysis of protein kinase C α in an amphibian brain: modulation by corticosterone. *Brain Res.* 1134 (1):18-26.

Gasser PJ, Lowry CA, Orchinik M (2006) Corticosterone-sensitive monoamine transport in the rat dorsomedial hypothalamus: potential role for organic cation transporter 3 in stress-induced modulation of monoaminergic neurotransmission. *J. Neurosci.* 26 (34): 8758-8766.

Orchinik M, Matthews L, **Gasser PJ** (2000) Distinct specificity for corticosteroid binding sites in amphibian cytosol, neuronal membranes, and plasma. *Gen. Comp. Endocrinol.* 118: 284-301.

Chen G, Yuan SS, Liu W, Xu Y, Trujillo K, Song B, Cong F, Goff SP, Wu Y, Arlinghaus R, Baltimore D, **Gasser PJ**, Park MS, Sung P, Lee EY (1999) Radiation-induced assembly of rad51 and rad52 recombination complex requires ATM and c-Abl. *J. Biol. Chem.* 274 (18): 12748-52.

Tarsounas M, Pearlman RE, **Gasser PJ**, Park MS, Moens PB (1997) Protein-protein interactions in the synaptonemal complex. *Mol. Biol. Cell* 8 (8): 1405-1414.

Gasser PJ and Gern WA (1997) Regulation of melatonin synthesis in rainbow trout (*Oncorhynchus mykiss*) pineal organs: Effects of calcium depletion and calcium channel drugs. *Gen. Comp. Endocrinol.* 105 (2): 210-217.

Orchinik M, **Gasser PJ**, Breuner CW (2002) Rapid Corticosteroid Actions on Behavior: Cellular Mechanisms and Organismal Consequences. In: "Hormones, Brain, and Behavior", D. Pfaff, ed. pp. 567-600. Academic Press, San Diego.

Gasser PJ, Orchinik M. (2007) Membrane Glucocorticoid Receptors. In: "The Encyclopedia of Stress", vol. 2. G. Fink, ed. pp. 713-721. Academic Press, San Diego.

Gern WA, Greenhouse SS, Nervina JM, **Gasser PJ** (1992) The Rainbow Trout Pineal Organ: An Endocrine Photometer. In: "Rhythms in Fishes", M.A. Ali, ed. Pp. 199-218. Plenum Press, New York.

Academic and Professional Societies

Society for Neuroscience

Society for Behavioral Neuroendocrinology

Reviewer For:

Journal of Neuroendocrinology

Journal of Neurochemistry

British Journal of Pharmacology

Hormones and Behavior

Physiology & Behavior

Proceedings of the National Academy of Sciences of the United States

Oxford University Press: Biochemistry: The Molecular Basis of Life