——————Christopher K. Rodesch——————

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EDUCATION:

Postdoctoral training, Dept. of Biology, University of Utah (**1998-2001**)
Neurobiology, Synaptic Vesicle Recycling
Ph.D. in Biological Sciences (**1997**) *University of Iowa*, Iowa City, IA.
Thesis: The role of the *ovarian tumor* gene in Drosophila oogenesis.
B.S. in Biology, (**1990**) *University of Wisconsin,* Green Bay, WI

EXPERIENCE:

Director Cell Imaging Core Facility (2002-present) *University of Utah School of Medicine.*
The cell imaging core serves as a resource for training, consultation and development of imaging related techniques in biological sciences for the School of Medicine and the University scientific community. Significant emphasis is placed on education and custom development or modification of imaging related techniques to further the pursuit of basic research projects.

Adjunct Faculty (2003-present) *University of Utah, Department of Anatomy and Neurobiology*, Salt Lake City, UT. Duties include teaching 5 lectures for graduate level Fluorescent Microscopy and Digital Imaging Course, training users and maintaining departmental FV300 confocal.

Postdoctoral Fellow (1998-2002) *University of Utah, Department of Biology*, Salt Lake City, UT
Developing and conducting a project that investigates the potential for Drosophila as a model system for the study of neurodegeneration. Functional studies using larval neuromuscular junctions, primary cell cultures and adult intact CNS preparations are used to assay neurodegeneration and monitor changes in synaptic function (e.g. synaptic vesicle recycling)

Adjunct Faculty (1997) *University of Iowa, Department of Biological Sciences*, Iowa City, IA.
Developed and taught an advanced investigative genetics course using Drosophila a s a model system. I was the sole individual responsible for all the class materials, preparation and lecturing of the course.

Teaching Assistant (1991-1997 –seven semesters) *University of Iowa, Department of Biological Sciences*, Iowa City, IA.
Developed syllabi, lectured, created and graded assignments and exams, and administered laboratory grades for biology laboratory courses.

PUBLICATIONS:

Christian Yost, Mark Cody, Estelle Harris, Nathan Thornton, Alison McInturff, Mark Martinez, Nancy Chandler, **Christopher Rodesch**, Kurt Albertine, Cathy Petti, Andrew Weyrich, Guy Zimmerman
Impaired neutrophil extracellular trap (NET) formation: A novel innate immune deficiency of human neonates. **Blood** (In Press 2009)

Shigeyuki Yamada, MD; Xiu Q Zhang, MD, PhD; Toshie Kadono, MD;
Nobuhiro Matsuoka, MD; Douglas Rollins, PhD; Troy Badger, MD; **Christopher Rodesch**, PhD; William H
Barry, MD
Direct Toxic Effects of Aqueous Extract of Cigarette Smoke on Cardiac Myocytes at Clinically Relevant Concentrations. **Toxicology and Applied Pharmacology** (In Press 2009)

Morita E, Sandrin V, Chung HY, Morham SG, Gygi SP, Rodesch CK, Sundquist WI. EMBO J. **2007** Oct 3;26(19):4215-27. Human ESCRT and ALIX proteins interact with proteins of the midbody and function in cytokinesis.

Featherstone DE, Rushton E, Rohrbough J, Liebl F, Karr J, Sheng Q, **Rodesch CK**, Broadie K. An essential Drosophila glutamate receptor subunit that functions in both central neuropil and neuromuscular junction**.** ***J Neurosci. 2005*** *Mar 23;25(12):3199-208.*

Trotta N, **Rodesch CK**, Fergestad T, Broadie K. Cellular bases of activity-dependent paralysis in Drosophila stress-sensitive mutants. *J Neurobiol*. 2004 Sep 5;60(3):328-47.

Denkers N, Garcia-Villalba P, **Rodesch CK**, Nielson KR, Mauch TJ. FISHing for chick genes: Triple-label whole-mount fluorescence in situ hybridization detects simultaneous and overlapping gene expression in avian embryos. *Dev Dyn*. 2004 Mar;229(3):651-7.

Speese, S., Trotta, N., **Rodesch, C.,** Aravamudan, B., Broadie, K. The ubiquitin proteosome system acutely regulates presynaptic protein turnover and synaptic efficacy. *Cur Biol.* 2003, vol13, 899-910.

Zhang, Y-Q, **Rodesch, C**, Broadie, K. (2002) A living synaptic vesicle marker synaptotagmin-GFP, *Genesis*. 2002 Sep-Oct;34(1-2):142-5.

Rodesch, C.K. and Broadie, K. (2000). Genetic studies in Drosophila: Vesicle pools and cytoskeleton-based regulation of synaptic transmission. Neuroreport 11(18): 45-53.

Aravamudan, BA., Fergestad, T., Davis, W., **Rodesch, C.**, and Broadie, K. (1999). Drosophila Unc13 is essential for synaptic transmission. *Nature Neuroscience* November; 2(11):965-971.

Rodesch, C., Pettus, J., Nagoshi, R. (1997) "The *ovarian tumor* gene is required for actin cytoskeleton organization in the germline of Drosophila melanogaster." *Developmental Biology*, 190 (2); 153-164.

Rodesch, C., Geyer, P., Patton, J.S., Bae, E., Nagoshi, R. (1995) Developmental analysis of the *ovarian tumor* gene during Drosophila oogenesis. *Genetics*, 141; 191-202.

Roseman, R., Johnson, E., **Rodesch, C.**, Bjerke, M., Nagoshi, R., Geyer, P. (1995) A P element containing *suppressor of Hairy-wing* binding regions has novel properties for mutagenesis in Drosophila melanogaster. *Genetics*; 141; 1061-1074.

Geyer, P., Patton, J.S., **Rodesch, C.**, Nagoshi, R. (1993) Genetic and molecular characterization of P element-induced mutations reveals that the Drosophila *ovarian tumor* gene has maternal activity and a variable null phenotype. *Genetics*, 133; 265-278.

AWARDS:

NIH Postdoctoral fellowship, Developmental Biology training grant: 1997-1999
Role of the Leonardo gene product in development and function of the drosophila nervous system.

References available upon request