

GGG STUDENT ACCOMPLISHMENTS

2008

Monika Lipinski – 1st Author Publication: *The ascent of cat breeds: genetic evaluations of breeds and worldwide random-bred populations*. Genomics.

Jessica Petersen – 1st Author Publication: *An Induced Mass Spawn of the Hermaphroditic Lion-Paw Scallop, *Nodipecten subnodosus*: Genetic Assignment of Maternal and Paternal Parentage*. J Heredity.

Adam Wentzell – 1st Author Publication: *Genotype, age, tissue and environment regulate the structural outcome of glucosinolate activation*. Plant Physiology.

Jessica Lao – 1st Author Publication: *Rad52 promotes postinvasion steps of meiotic double-strand-break repair*. Molecular Cell.

2007

Lisa Lit – 1st Author Publication: *A subgroup of Tourette's patients overexpress specific natural killer cell genes in blood: a preliminary report*. Am J Med Genet B Neuropsychiatr Genetics.

Catherine Kemp – Schwall Medical Research Fellowship, 2007-2009.

Jessica Lao – Molecular & Cellular Biology NIH Training Grant 2007-2008.

Elizabeth Robb – Jastro-Shields Award.

Aimee Jaramillo-Lambert – Molecular & Cellular Biology NIH Training Grant 2007-2008.

Monika Lipinski – 1st Author Publication: *An international parentage and identification panel for the domestic cat (*Felis catus*)*. Animal Genetics.

Angela Hughes – 1st Author Publication: *Clinical features and heritability of hypoadrenocorticism in Nova Scotia Duck Tolling Retrievers: 25 cases (1994-2006)*. J Am Vet Med Assoc.

Lisa Lit – Howard Hughes Medical Institute Translational Research "Med to Grad" Scholar, 2007-2008.

Steve Oh – 1st Author Publication: *BLM ortholog, Sgs1, prevents aberrant crossing-over by suppressing formation of multichromatid joint molecules*. Cell. (2nd Author – GGG student, Jessica Lao)

Cristobal Uauy – Gerald O. Motte Scholarship, Crop Science Society of America.

Cristobal Uauy – Allen G. Marr Prize (UC Davis Office of Graduate Studies for most distinguished dissertation) & Kinsella Memorial Prize (College of Agricultural and Environmental Sciences).

Robert Tryon – 2007 Wilson Award for outstanding equine research, UCD School of Veterinary Medicine.

Heather Rowe – 1st Author Publication: *Elevated genetic variation within virulence-associated Botrytis cinerea polygalacturonase loci*. Molecular Plant-Microbe Interactions.

Melinda Baerwald – Matthew Clow Scholarship, Marin Rod & Gun Club Scholarship & GSA Travel Award.

Adam Wentzell & Heather Rowe – Co-1st Author Publication: *Linking metabolic QTL with network and cis-eQTL controlling biosynthetic pathways*. PLOS Genetics.

Karen Thatcher – NSF Graduate Fellowship, 2007-2010.

Jessica Petersen – UC MEXUS Dissertation Research Grant, Gary P. Moberg Memorial Award, UC Davis Humanities Graduate Research Award, & Jastro-Shields Research Award.

Aimee Jaramillo-Lambert – 1st Author Publication: *Differential timing of S phases, X chromosome replication, and meiotic prophase in the C.elegans germ line*. Dev Biol.

Catherine Gordon – Lee Fellowship & UCD & Humanities Graduate Research Fellowship.

Rachel Simmons – UCD Jastro-Shields Research Award.

Amber Hogart – 1st Author Publication: *15q11-13 GABA receptor genes are normally biallelically expressed in brain yet are subject to epigenetic dysregulation in autism-spectrum disorders*. Hum Mol Genetics. (2nd Author – GGG student, Raman Nagarajan)

Wyatt Delfino – Richards Fellowship.

Heather Rowe – UCD Graduate student travel grant for international travel.

Melinda Baerwald – 1st Author Publication: *Genetic analysis reveals two distinct splittail (Pogonichthys macrolepidotus) populations*. Conservation Genetics.

Yu-Ming Chang – 1st Author Publication: *Nonreceptor tyrosine kinases in prostate cancer*. Neoplasia.

Amber Hogart – NIH Fellowship, 2007-2009.

2006

Nili Karmi – Veterinary Science Training Program Fellowship, DVM/PhD program.

Jennifer Kurushima – 1st Author Publication: *Development of 21 microsatellite loci for puma (Puma concolor) ecology and forensics*. Molecular Ecology Notes.

Adam Wentzell – NSF Doctoral Dissertation Improvement Grant.

Cristobal Uauy – 1st Author Publication: *A NAC Gene regulating senescence improves grain protein, zinc, and iron content in wheat*. Science.

Lindsay Clark – Plant Sciences Departmental Research Assistantship, 2007-2011.

Raman Nagarajan – 1st Author Publication: *Reduced MeCP2 expression is frequent in autism frontal cortex and correlates with aberrant MECP2 promoter methylation*. Epigenetics. (2nd Author – GGG student, Amber Hogart)

Raman Nagarajan – UCD Graduate Student Travel Award.

Melinda Baerwald – UCD Graduate Student Travel Award & Plant & Animal Genomics Travel Award.

Cristobal Uauy – 1st Author Publication: *The high grain protein content gene Gpc-B1 accelerates senescence and has pleiotropic effects on protein content in wheat*. J Exp Botany.

Karen Thatcher – Pre-doctoral Trainee Award in Basic Research, American Society of Human Genetics.

Jessica Petersen – Travel Award, Plant and Animal Genome Conference, Travel Award, International Mollusk Physiology and Nutrition Conference, Jastro-Shields Research Award & UCD Humanities Research Award .

Aimee Jaramillo-Lambert – Carl Storm Underrepresented Minority Fellowship.

Rachel Simmons – Summer Institute in Statistical Genetics Scholarship.

Karen Thatcher – 1st Author Publication: *Dynamic changes in Histone H3 lysine 9 acetylation localization patterns during neuronal maturation require MeCP2*. Epigenetics.

2005

Cristobal Uauy – 1st Author Publication: *High-temperature adult-plant (HTAP) stripe rust resistance gene Yr36 from Triticum turgidum ssp. dicoccoides is closely linked to the grain protein content locus Gpc-B1.*Theor Appl Genetics. (2nd Author – GGG student, Juan Brevis-Acuna)

Susan Swanberg – 1st Author Publication: *Differential expression of genes associated with telomere length homeostasis and oncogenesis in an avian model.* Mech Ageing Dev.

Thomas O-Hare – 1st Author Publication: *Telomerase gene expression in the chicken: Telomerase RNA (TR) and reverse transcriptase (TERT) transcript profiles are tissue-specific and correlate with telomerase activity.* AGE.

Susan Swanberg – Kinsella Memorial Dissertation Prize, College of Agricultural and Environmental Sciences.

Susan Swanberg – American Foundation for Aging Research Fellowship & Hart/Cole/Goss Summer Research Fellowship.

Catherine Gordon – Schwall Medical Research Fellowship, 2005-2007.

Jessica Peterson – Hart/Cole/Goss Summer Research Fellowship, 2005-2007.

Melinda Baerwald – UCD Wildlife Health Center Fellowship, Golden West Women Flyfishers Scholarship, & Whirling Disease Foundation Gift.

2004

Susan Swanberg – 1st Author Publication: *Telomerase activity and differential expression of telomerase genes and c-myc in chicken cells in vitro.*Dev Dyn.

Raman Nagarajan – National Association for Autism Research Fellowship, 2004-2006.

Melinda Baerwald – 1st Author Publication: *Characterization of microsatellite loci for five members of the minnow family Cyprinidae found in the Sacramento – San Joaquin Delta and its tributaries.* Mol Ecol Notes

Andrew Wong – 1st Author Publication: *Gonadotropin Hormone and Receptor Sequences from Model Teleost Species.* Zebrafish.

Melinda Baerwald – Hart/Cole/Goss Summer Research Fellowship, 2004-2006.

Susan Swanberg – Schwall Dissertation Fellowship in Biomedical Research.

Melinda Baerwald – James E. Wright Graduate Award.

2003

Susan Swanberg – 1st Author Publication: *Dynamics of telomere erosion in transformed and non-transformed avian cells in vitro*. Cytogenet Genome Research.

Joshua Mell – 1st Author Publication: *Yeast as a Model Genetic Organism*. In: *Nature Encyclopedia of Life Sciences*, London: Nature Publishing Group.

Susan Swanberg – Travel Award: 13th North American Colloquium on Animal Cytogenetics & Gene Mapping, Glenn/AFAR Scholarship for Research in the Biology of Aging, & Jastro Shields Research Award.

Melinda Baerwald – Mcomie Fellowship. UCD Graduate Research Mentorship Fellowship, 2003-2004. Jastro Shields Research Award, 2003-2005.

GGG ALUMNI ACCOMPLISHMENTS & APPOINTMENTS

2008

Adam Wentzell – Post-doctoral Scientist, Seminis Vegetable Seeds.

Raman Nagarajan, Ph.D. – Postdoctoral Fellow, UC San Francisco.

2007

Susan Swanberg, Ph.D. – NIH Individual NRSA Fellowship.

Melinda Baerwald, Ph.D. – Postdoctoral Fellow, UC Davis

Cristobal Uauy, Ph.D. – Postdoctoral Fellow, UC Davis
Article on Dr. Uauy's research: http://www.dateline.ucdavis.edu/dl_detail.lasso?id=9653

2006

Elizabeth Heeg, M.S. – Laboratory Technician, University of Washington

Kathleen Bongiovanni, M.S. – Laboratory Technician, Seattle Children's Hospital

2005

Susan Swanberg, Ph.D. – UC Davis M.I.N.D. Institute-Interdisciplinary Training Program for Autism Research, 2005-2007

Susan Swanberg, Ph.D. – Postdoctoral Fellow, UC Davis