

JOHN H. MALONE, PHD

LABORATORY OF CELLULAR AND DEVELOPMENTAL BIOLOGY
NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY DISEASES
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EDUCATION

PhD-Quantitative Biology, The University of Texas Arlington, August 2007
Dissertation: Genetic Determinants of Reproductive Isolation in *Xenopus*, Advisor: Dr. Pawel Michalak

M.S.-Zoology, The University of Oklahoma, August 2002
Thesis: Evolution of the Basin Construction Reproductive Mode Within the Genus *Smilisca* (Amphibia: Anura), Advisor: Dr. Janalee Caldwell

B.S.-Wildlife and Fisheries Sciences, Texas A&M University, May 1999

AWARDS

- Drosophila Species Workshop.** 2008. Participant, University of California, San Diego, San Diego, California, USA.
- Outstanding Academic Achievement-GPA 4.0.** 2007. College of Science, The University of Texas-Arlington.
- 2nd Place.** 2007. Texas Academy of Science Student Research Competition.
- Cold Spring Harbor Laboratory Course-Scholarship.** 2006. Eukaryotic Gene Expression. (\$1,500).
- Cold Spring Harbor Laboratory Course-Full Scholarship.** 2006. Integrated Analysis for High Throughput Biology. (\$2,800).
- Graduate Research Achievement Award. 2005-2006.** Department of Biology, The University of Texas-Arlington.
- 1st Place.** 2005. Texas Academy of Science Student Research Competition.
- Cold Spring Harbor Laboratory Course-Scholarship.** 2005. Cell and Developmental Biology of *Xenopus* (\$1,190).
- The University of Texas-Arlington-Office of the Provost-Scholarship for Cold Spring Harbor Laboratory Course.** 2005. (\$1,190)
- University Scholar.** 2005. The University of Texas-Arlington.
- Deans Excellence Scholarship.** 2004. College of Science. The University of Texas-Arlington-(\$1,000/year).
- 1st Place.** 2003. The University of Texas-Arlington Annual Celebration of Excellence by Students in Research and Creativity. Best Graduate Student Poster.

- Tie 1st Place.** 1999. Texas A&M University Student Research Week Competition. Oral presentation.
- Tie 1st Place.** 1999. Department of Wildlife Fisheries Sciences annual symposium. Oral presentation.
- Outstanding Junior-**Texas A&M University-Department of Wildlife and Fisheries Sciences 1997-98.
- 2nd Place.** 1998. Texas A&M University Research Week Competition. Oral presentation.

RESEARCH AND TEACHING GRANTS

2007-Texas Academy of Science Student Research Grant	\$1,000
2007-Helsinki Biomedical Graduate School Travel Grant	\$500
2006-International <i>Xenopus</i> meeting Travel Grant	\$900
2006-Texas Academy of Science Travel Grant	\$100
2005-National Science Foundation-Dissertation Improvement Grant	\$12,000
2005-Texas Academy of Science Student Research Grant	\$1,000
2005-Texas Academy of Science Travel Grant	\$100
2005-Phi Sigma Society Research Grant	\$500
2005-Phi Sigma Society Travel Grant	\$200
2004-East Texas Herpetological Society Grant	\$750
2004-Animal Behavior Society Student Research Grant	\$500
2002-East Texas Herpetological Society Grant	\$400
2001-The University of Oklahoma-GSS Research and Creativity Grant	\$250
2000-The University of Oklahoma-GSS Research and Creativity Grant	\$175
2000-East Texas Herpetological Society Grant	\$500
2000-New Mexico Game and Fish-Share with Wildlife Nongame Research Grant	\$2,500
2000-SSAR Grant-in-Herpetology	\$500
1999-The University of Oklahoma-GSS Research and Creativity Grant	\$175
1999-Explorers Club-Youth Activity Grant	\$1,500
1999-Texas Herpetological Society Grant-in-Herpetology	\$500
1998-East Texas Herpetological Society Grant	\$500
1998-Brazos Bend State Park Volunteer Organization-research allowance	\$3,000
1997-Texas A&M University ACUS Funds	\$1,200
1997-East Texas Herpetological Society Grant	\$500
1997-Texas A&M University ACUS Funds	\$350

TEACHING

The University of Texas-Arlington

- Vertebrate Natural History Laboratory, fall 2006
- Introductory Biology Laboratory for non-majors, spring 2006
- General Zoology Laboratory, spring 2003
- Cellular and Molecular Biology Laboratory, fall 2002

The University of Oklahoma

- Developmental Biology Laboratory, spring 2002
- Stream Ecology, spring 2000

Introduction to Zoology Laboratory, fall 1999, spring 2000, fall 2000, fall 2001

STUDENTS MENTORED

2010-Charlotte Guetta, University of Orsay, France
2007-Erika Crespo, University of Texas-Arlington
2007-Zinh Zhang, University of Texas-Arlington
2007-Brad Broadway, University of Texas-Arlington
2006-Matt Bandacroft, University of Texas-Arlington
2006-Daiju Hoshino, University of Texas-Arlington
2006-Daina Ma, University of Texas-Arlington
2005-Ninia Tingh, University of Texas-Arlington
2004-Katja Slowenski, University of Texas-Arlington

DATABASE SUBMISSIONS

Gene Expression Omnibus

GSE28078 mRNA-Seq of whole flies from *Drosophila*
GSE23309 Sex-biased expression in heads of three *Drosophila* species
GSE20348 mRNA-Seq of head tissue from *Drosophila melanogaster*
GSE19989 mRNA-Seq of head tissue from *Drosophila pseudoobscura*
GSE20882 mRNA-Seq of head tissue from *Drosophila mojavensis*
GSE9504 Expression data from hybrid female *Xenopus* sex reversal experiment
GSE9505 Expression data from hybrid male *Xenopus* sex reversal experiment
GSE9507 Expression data from hybrid *Xenopus* sex reversal experiment

modENCODE Data Coordination Center

DCC 2980 *D. pseudoobscura* female heads mRNA-seq revised
DCC 3083 *D. melanogaster* female heads mRNA-seq
DCC 3084 *D. melanogaster* male heads mRNA-seq
DCC 3085 *D. pseudoobscura* male heads mRNA-seq revised
DCC 3086 *D. mojavensis* male heads mRNA-seq
DCC 3087 *D. mojavensis* female heads mRNA-seq

Flybase

FBrf0210196 mRNA-Seq of head tissue from *Drosophila pseudoobscura*

SERVICE

Fellows Advisor Board, NIDDK, NIH – 2008-09
Fellows Postdoctoral Organization Committee, NIH –2008-2009
Science Olympiad-Genetics Section Event Coordinator, spring 2006
Phi Sigma Speaker Search Committee-The University of Texas-Arlington, spring 2004
Judge-Biology-Texas State Science Fair-spring 2003
The University of Oklahoma-Graduate Student Senate-2000-2002
Reviewer: *Texas Journal of Science* (2006), *Journal of Herpetological Monographs* (2007), *BMC Genomics* (2007), *BMC Evolutionary Biology* (2007), *Genome Biology* (2008), *Journal of Molecular Endocrinology* (2008, 2009), *Genome Biology* (2009), *BMC Genomics* (2009, 2010)

PROFESSIONAL WORK EXPERIENCE

- Postdoctoral Fellow**, September 07-present. Laboratory of Cellular and Developmental Biology, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health. Mentor: Dr. Brian Oliver.
- Genomics Facility Lab Manager**, Jan-Aug 2007. The University of Texas-Arlington. Management of UTA Genomics Core Facility including the operation of ABI 3130xl sequencer, Agilent Bioanalyzer, Affymetrix Gene Expression System, and ABI 7300 Real-Time PCR system.
- Research Assistant**, May 2003-Dec 2005. The University of Texas-Arlington. Michalak Laboratory of Population Genomics and Speciation Genetics.
- Research Assistant**, May 2003-May 2005. The University of Texas-Arlington. Georeferencing Guatemala amphibian and reptile museum specimens.
- Research Assistant**, May-August 2002. Texas State University. Forstner Laboratory of Phylogenomics and Population Genetics.
- Contract Herpetologist**, May 2000 to July 2000. Texas Parks and Wildlife Department, Austin, Texas. Principal investigator. Baseline herpetofaunal inventory of Kickapoo Cavern State Park, Edwards and Kinney Counties, Texas.
- Contract Herpetologist**, March 1999 to May 1999. Texas Parks and Wildlife Department, Austin, Texas. Principal investigator. Distribution of Amphibians and Reptiles in Edwards and Kinney Counties, Texas.
- Contract Herpetologist**, June 1998 to September 1998. Region V, Texas Parks and Wildlife Department, Austin, Texas. Principal investigator. Baseline herpetofaunal survey at Lost Maples State Natural Area, Bandera and Real Counties, Texas.
- Contract Herpetologist**, February 1997 to June 1997, Region IV, Texas Parks and Wildlife Department, La Porte, Texas. Principal investigator. Amphibian population assessment of Brazos Bend State Park, Fort Bend County, Texas to determine the presence of major amphibian declines within the park.
- Contract Herpetologist**, February 1997 to June 1997, Region IV, Texas Parks and Wildlife Department, La Porte, Texas. Principal investigator. Amphibian population assessment of Brazos Bend State Park, Fort Bend County, Texas to determine the presence of major amphibian declines within the park.
- Lab Coordinator and Research Assistant**, December 1997 to February 1998, Dr. Ken R. Risenhoover, Wildlife Habitat Analysis Lab, Texas A&M University.
- Research and Field Assistant**, May 1996 to December 1997, Texas A&M University. Assistant to graduate student Kelly Irwin in a comprehensive analysis of the effects of forestry techniques (clear and select cutting) on herpetofaunal populations of the Neches River floodplain.
- Herpetological Intern**, May 1996 to May 1997, at Texas Cooperative Wildlife Collection, Texas A&M University. Assisted curators in day to day management of amphibian and reptile collection.
- Contract Herpetologist**, August 1995-August 1996. Region IV, Texas Parks and Wildlife Department, La Porte, Texas. Principle investigator. Herpetofaunal survey of Davis Hill, Liberty County, Texas.
- Contract Herpetologist**, August 1995, Region IV, Texas Parks and Wildlife Department, La Porte, Texas. Principle investigator. Baseline herpetofaunal survey of Lake Houston State Park, New Caney, Texas.

Contract Herpetologist, June 1995, Region IV, Texas Parks and Wildlife Department, La Porte, Texas. Principle investigator. Baseline herpetofaunal survey of San Jacinto State Historical Park, La Porte Texas.

INTERNATIONAL FIELDWORK

2008-July-**Ecuador**-Parque Nacional Yasuni
2008-January-**Costa Rica**-Kekoldi Biological Reserve
2007-November-**Haiti**
2006-July-**Panama**, El Valle
2005-July-**Mexico**, Michoacan, Lombardia
2005-March-**Honduras**, Montanas Botaderos, Olancho
2004-May-July-**Mexico**, Tamulipas, Veracruz, Hidalgo, Quertero, Tabasco, Chiapas, Guerrero, Mexico, Oaxaca, Jalisco, Colima, Michoacan, Sinaloa-NSF biodiversity project
2004-August-**Guatemala**-Huehuetenago
2004-March-**Guatemala**-Chiqimula, Solola
2003-4-December-January-**Mexico**-Chiapas, Tamulipas
2003-May-July-**Mexico**-Tamulipas, Veracruz, Hidalgo, Quertero, Tabasco, Chiapas, Guerrero, Mexico, Oaxaca, Jalisco, Colima, Michoacan, Sinaloa-NSF biodiversity project
2002-3-December-January-**Guatemala**-Alta Verapaz, Baja Verapaz, San Marcos,
2002-August-**Mexico**-Veracruz, Chiapas
2001-02-December-January-**Costa Rica**-Puntarenas
2000-2001-December-May-**Costa Rica**-Puntarenas, Limon
1999-2000-December-January-**Costa Rica**-Puntarenas, Guanacaste
1999-May-August-**Costa Rica**-Puntarenas
1998-January-**Costa Rica**-Guanacaste, Heredia, Puntarenas, San Jose,

PUBLICATIONS, NOTES, AND TECHNICAL REPORTS

Malone, J.H., and B. Oliver. 2011. Microarrays and deep sequencing for measuring the transcriptome. *BMC Biology* 9:34.
Graveley B.R. et al. (**Malone, J.H. co-2nd author**). 2011. The developmental transcriptome of *Drosophila melanogaster*. *Nature* 471:473-479.
The modENCODE Consortium (**Malone, J.H. as other contributor**). 2010. Identification of functional elements and regulatory circuits by *Drosophila* modENCODE. *Science* 330:1787-1797.
Parisi, M., V. Gupta, D. Sturgill, J. T. Warren, J-M. Jallon, **J. H. Malone**, Y. Zhang, L.I. Gilbert, and B. Oliver. 2010. Germline-dependent gene expression in distant nongonadal somatic tissues of *Drosophila*. *BMC Genomics* 11:346.
Zhang Y, **J. H. Malone**, S. K. Powell, V. Periwal, E. Spana, D. M. MacAlpine, and B. Oliver. 2010. Expression in aneuploid *Drosophila* S2 cells. *PLoS Biology* 8(2): e1000320. doi:10.1371/journal.pbio.1000320 * **Selected for Epigenetics 2010***
Malone, J. H., and B. Oliver. 2009. The genomic “inner fish” and a regulatory enigma in the vertebrates. *Journal of Biology* 8:32.

- Laurencio, D., and **J. H. Malone**. 2009. The amphibians and reptiles of Parque Nacional Carara, a transitional herpetofaunal assemblage, in Costa Rica. *Herpetological Conservation and Biology* 4:120-131.
- Malone, J. H.**, and B. Fontenot. 2008. Patterns of reproductive isolation in toads. *PLoS ONE* 3:e3900.
- Calisi, R. M., **J. H. Malone**, and D. Hews. 2008. Female secondary coloration in the Mexican boulder spiny lizard is associated with nematode load. *Journal of Zoology* 276:358-367. ***Editors Choice***
- Malone, J. H.**, and B. Oliver. 2008. The sex chromosome that refused to die. *Bioessays* 30:409-411.
- Malone, J. H.**, and P. Michalak. 2008. Gene expression analysis of the ovary of hybrid females of *Xenopus laevis* and *X. muelleri*. *BMC Evolutionary Biology* 8:82.
- Michalak, P., and **J. H. Malone**. 2008. Testis-derived microRNA profiles of African Clawed Frogs (*Xenopus*) and their sterile hybrids. *Genomics* 91:158-164.
- Malone, J. H.**, and P. Michalak. 2008. Physiological sex predicts hybrid sterility regardless of genotype. *Science* 319:59.
- Malone, J. H.**, T. H. Chrzanowski, and P. Michalak. 2007. Sterility and gene expression in hybrid males of *Xenopus laevis* and *X. muelleri*. *PLoS ONE* 2:e781.
- Michalak, P., **J. H. Malone**, I. T. Lee, D. Hoshino, and D. Ma. 2007. Gene expression polymorphism in *Drosophila* populations. *Molecular Ecology* 16:1179-1189.
- Malone, J. H.**, D. L. Hawkins, Jr., and P. Michalak. 2006. Sex-biased gene expression in a ZW sex determination system. *Journal of Molecular Evolution* 63:427-436. ***Cover***
- Malone, J. H.** 2006. Ecology of the basin construction reproductive mode in *Smilisca sordida*. *Journal of Herpetology* 40:230-239.
- Malone, J. H.**, and R. Paredes-León. 2005. Characteristics of chigger mite (*Hannemania* sp.) parasitism on *Eleutherodactylus marnockii* (Amphibia: Leptodactylidae). *Texas Journal of Science* 57:345-358.
- Malone, J. H.** 2005. *Smilisca baudinii* species account. In: Amphibian Declines: The Conservation of United States Species. M. Lannoo (ed.). University of California Press, Berkeley, California.
- Mendelson, J.R. III, E.D. Brodie, Jr., **J.H. Malone**, M. E. Acevedo, M.A. Baker, N.J. Smatresk, and J.A. Campbell. 2004. Factors associated with the catastrophic decline of a cloudforest frog fauna in Guatemala. *Revista Biología de Tropical* 52:991-100.
- Goldberg, C. S., B. K. Sullivan, **J. H. Malone**, and C. R. Schwalbe. 2004. Divergence among barking frogs (*Eleutherodactylus augusti*) in the southwestern United States. *Herpetologica* 60:312-320.
- Malone, J. H.** 2004. Reproduction in three species of *Smilisca* from Costa Rica. *Journal of Herpetology* 38:27-35.
- Malone, J. H.**, and D. Laurencio. 2004. The use of polystyrene for drift fence sampling in a tropical forest. *Herpetological Review* 35:142-143.
- Malone, J. H.** 2001. Geographic distribution. *Eleutherodactylus augusti*. *Herpetological Review* 32:113.
- Malone, J. H.** 2001. Geographic distribution. *Thamnophis cyrtopsis*. *Herpetological Review* 32:125.

- Malone, J. H.** 2001. Geographic distribution. *Bogertophis subocularis*. *Herpetological Review* 32:122.
- Johnson, J. A., and **J. H. Malone**. 2001. Geographic distribution. *Diadophis punctatus*. *Herpetological Review* 32:122.
- Malone, J. H.** 2001. Year end report for Share With Wildlife Program. Project: Parental care in the barking frog, *Eleutherodactylus augusti*. Interim report to New Mexico Department of Game and Fish, Santa Fe. 3 pp.
- Malone, J. H.** 2001. Herpetofaunal inventory of Kickapoo Cavern State Park, Edwards and Kinney Counties, Texas. Final report to Texas Parks and Wildlife Department. 288 pp.
- Malone, J. H.** 2000. A generic key to the amphibian larvae of Texas. *In*: Dixon, J. R. Amphibians and Reptiles of Texas 2nd edition. Texas A&M University Press, College Station, Texas.
- Hibbitts, T. J., **J. H. Malone**, J. R. Dixon, K. J. Irwin. 2000. A new coloration in the broadhead skink, *Eumeces laticeps* (Sauria:Scincidae). *Texas Journal of Science* 52:259-261.
- Malone, J. H.** 1999. Geographic Distribution. *Syrrhophus cystignathoides campi*. *Herpetological Review* 30:232.
- Malone, J. H.** 1999. Natural History. *Bufo speciosus*. *Herpetological Review* 30:222-223.
- Malone, J. H.**, and T. J. Williams. 1999. Geographic distribution. *Elaphe guttata*. *Herpetological Review* 30:53.
- Malone, J. H.** 1999. Geographic distribution. *Farancia abacura reinwardtii*. *Herpetological Review* 30:53-54.
- Malone, J. H.** 1999. Distribution of amphibians and reptiles in Edwards and Kinney Counties, Texas. Technical report submitted to Texas Parks and Wildlife Department, Austin, Texas. 138 pp.
- Hibbitts, T. J., and **J. H. Malone**. 1999. Geographic Distribution. *Hyla cinerea*. *Herpetological Review* 30:50.
- Malone, J. H.** 1998. Herpetofaunal survey of Lost Maples State Natural Area, Bandera and Real Counties, Texas. Final report to Texas Parks and Wildlife Department. 367 pp.
- Malone, J. H.** 1998. Geographic Distribution. *Anolis carolinensis*. *Herpetological Review* 29:248.
- Malone, J. H.** 1998. Geographic Distribution. *Hemidactylus turcicus turcicus*. *Herpetological Review* 29:248.
- Malone, J. H.** 1998. Geographic Distribution. *Syrrhophus marnocki*. *Herpetological Review* 29:247.
- Risenhoover, K. L., B. S. Murden, **J. H. Malone**. 1998. Herpetological trap array global positioning system coordinates: Temple-Inland Experimental Forest. Report to Temple-Inland Forestry Corp.
- Malone, J. H.** 1998. Long Term Amphibian Monitoring at Brazos Bend State Park. *East Texas Herpetological Society Newsletter* 10:3-6.
- Hibbitts, T. J., and **J. H. Malone**. 1997. Geographic Distribution. *Storeria occipitomaculata obscura*. *Herpetological Review* 28:211.

- Malone, J. H.** 1997. Brazos Bend State Park Amphibian Population Assessment. Final report to Texas Parks and Wildlife Department. 71pp.
- Malone, J. H.** 1997. Geographic Distribution. *Rana clamitans clamitans*. *Herpetological Review* 28:93.
- Malone, J. H.** 1995. Herpetofauna survey of Lake Houston State Park. Final report to Texas Parks and Wildlife Department. 13pp.
- Malone, J. H.** 1995. Herpetofauna survey of San Jacinto State Historical Park. Final report to Texas Parks and Wildlife Department. 11pp.
- Malone, J. H.** 1993. The hognose snake. *East Texas Herpetological Society Newsletter* 4:1-2.

INVITED PRESENTATIONS

- Malone, J.H.** 2010. Changes in expression in response to changes in gene dose. NIH *Drosophila Interest Group*. National Institutes of Health, Bethesda, Maryland.
- Malone, J. H.** 2008. mRNA-Seq of *Drosophila* heads. Solexa Interest Group, National Institutes of Health, Bethesda, Maryland.
- Malone, J. H.** 2007. The importance of evolutionary biology to medicine: HIV/AIDS and Haiti. Universite d'Etat d'Haiti, College of Medicine, Port-au-Prince, Haiti.
- Malone, J. H.** 2007. Gene expression and reproductive isolation in *Xenopus*. The University of Texas at Austin, Austin, Texas. Z. Jeffrey Chen laboratory of polyploidy and gene expression.
- Malone, J. H.** 2007. Gene expression and reproductive isolation in *Xenopus*. National Institute of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Laboratory of Cellular and Developmental Biology, Bethesda, Maryland.
- Malone, J. H.** 2007. Gene expression and reproductive isolation in *Xenopus*. Museum of Vertebrate Zoology, The University of California at Berkeley, Berkeley, California.
- Malone, J. H.** 2006. Gene expression and reproductive isolation in *Xenopus*. Southwestern University, Georgetown, Texas.
- Malone, J. H.** 2005. The genetics of postzygotic reproductive isolation in *Xenopus*. Darcy Kelly Lab meeting. Columbia University, New York.

GUEST LECTURE PRESENTATIONS

- Guest lecture-2006-Bioinformatics for Biologists-"Fundamentals of Microarray Data Analysis"-Instructor-Jaroslav Krzywinski
- Guest lecture-2006-Essentials of Genomics-Instructor-"Proteomics": Pawel Michalak
- Guest lecture-2006-Natural History of Vertebrates-Instructor:Jonathan A. Campbell
- Guest lecture-2006-Comparative Vertebrate Anatomy-Instructor: Eric A. Smith
- Guest lecture-2003-Comparative Vertebrate Anatomy-Instructor: Jonathan A. Campbell

CONFERENCE PRESENTATIONS

- Malone, J. H.,** D. Cho, N.R. Mattiuzzo, R. Li, T. Przytycka, J. Andrews, and B. Oliver
Cascading network responses to deficiencies in *Drosophila melanogaster*. 2011.
Abstract. 52st Annual Drosophila Research Conference, San Diego, CA, 30 March – 3 April 2011.

- Li, R. **J. H. Malone**, N. Mattiuzzo, and B. Oliver. Gene expression responses to single-copy deletions in *Drosophila*. **Abstract**. 52st Annual Drosophila Research Conference, San Diego, CA, 30 March – 3 April 2011.
- Meisel, R., **J.H Malone**, B. Oliver, and A. Clark. 2011. **Abstract**. Selection pressures on sex-biased genes depend on the degree of sexual dimorphism in the tissue and developmental stage in which they are expressed. 52st Annual Drosophila Research Conference, San Diego, CA, 30 March – 3 April 2011.
- Artieri, CG, **J. H. Malone**, D. Sturgill, N. R. Mattiuzzo, and B. Oliver. Identification of conserved unannotated transcribed elements in the *Drosophila* phylogeny. 2011. **Abstract**. 52st Annual Drosophila Research Conference, San Diego, CA, 30 March – 3 April 2011.
- Jiang, L., C. Artieri, Y. Zhang, N. Mattiuzzo, D. Sturgill, R. Li, **J. H. Malone**, M. L. Salit, and B. Oliver. 2011. **Abstract**. Evaluating performance for RNA-Seq with external control RNAs. 52st Annual Drosophila Research Conference, San Diego, CA, 30 March – 3 April 2011.
- Sturgill, D., **Malone, J. H.**, and B. Oliver. 2011. Sexually dimorphic alternative splicing in *Drosophila* heads. Graduate Student Research Symposium, National Institutes of Health, Bethesda, Maryland.
- Jiang, L., C. Artieri, Y. Zhang, N. Mattiuzzo, D. Sturgill, R. Li, **J. H. Malone**, M. L. Salit, and B. Oliver. 2010. **Abstract**. Evaluating performance for RNA-Seq with external control RNAs. NIH Research Festival, Bethesda, MD.
- Li, R., C. Artieri, N. Mattiuzzo, **J. H. Malone**, D. Sturgill, R. Dale, B. Oliver, and modENCODE Consortium. 2010. **Abstract**. Time-course RNA-Seq and ChIP-Seq data reveal gene expression clusters associated with chromatin states in *Drosophila*. NIH Research Festival, Bethesda, MD.
- Malone, J. H.**, D. Sturgill, C. Artieri, B. Oliver. 2010. RNA-seq in the *Drosophila* genus to support transcript annotation in *Drosophila melanogaster*. modENCODE Workshop, 51st Annual Drosophila Research Conference, Washington DC, 7-11 April 2010.
- Malone, J. H.**, D. Cho, T. Przytycka, J. Andrews, B. Oliver. 2010. **Abstract**. Females and males differ in response to changes in gene dose. 51st Annual Drosophila Research Conference, Washington DC, 7-11 April 2010.
- Malone, J. H.**, D. Cho, T. Przytycka, J. Andrews, and B. Oliver. 2010. **Abstract**. Change in gene expression in response to changes in gene dose. XGen Congress-Cambridge Healthtech Institute. San Diego, California 15-17 March 2010.
- Zhang Y, **J. H. Malone**, S. K. Powell, V. Periwal, E. Spana, D. M. MacAlpine, and B. Oliver. 2010. **Abstract**. Expression in aneuploid *Drosophila* S2 cells. XGen Congress-Cambridge Healthtech Institute. San Diego, California 15-17 March 2010.
- Zhang Y., Sturgill D., Jiang L., **Malone J.**, Artieri C., Li R., Mattiuzzo N., Clough E, ModENCODE Fly Transcriptome Group, and Oliver B. 2010. **Abstract**. Evaluation of RNA-Seq performance using known inputs and simulation. ModENCODE meeting, Washington D.C.
- Zhang, Y., **J. H. Malone**, and B. Oliver. 2009. **Abstract**. Buffering – dose related gene regulation in *Drosophila melanogaster*. ICSB 2009: The 10th International Conference on Systems Biology Stanford, California, Aug 30-Sept 4, 2009

- Malone, J. H.**, and B. Oliver. 2009. **Abstract.** Head expression profiles in *Drosophila* reveal female-biased patterns of gene expression and inconsistent chromosome distribution patterns. 50th Annual Drosophila Research Conference, The Genetics Society of America, Chicago, Illinois.
- Malone, J. H.**, and B. Fontenot. 2008. **Abstract.** Patterns of reproductive isolation in toads (Anura: Bufonidae). Evolution 2008, Joint meeting of SSE, SSB, and ASN, Minneapolis, University of Minnesota.
- Malone, J. H.**, and P. Michalak. 2008. **Abstract.** Physiological sex predicts hybrid sterility regardless of genotype. NIDDK postdoctoral fellows retreat, Cumberland, Maryland.
- Michalak, P., and **J. H. Malone**. 2007. microRNA profile changes associated with reproductive isolation in *Xenopus*. **Abstract.** Evolution 2007, Joint meeting of SSE, SSB, and ASN, Christchurch, New Zealand.
- Malone, J. H.** and P. Michalak. 2007. Gene expression and reproductive isolation in *Xenopus*. **Abstract.** 2nd HBGS Student Council Symposium. Transcripton: from molecular mechanisms to disease. February 9-10, Biomedicum Helsinki, Finland.
- Malone, J. H.** and P. Michalak. 2006. Gene expression basis for postzygotic reproductive isolation in *Xenopus*. **Abstract.** 11th International *Xenopus* conference, Kazusa Akademia Park, Chiba, Japan.
- Michalak, P., and **J. H. Malone**. 2006. Developing resources for multispecies comparative genomics and transcriptomics of *Xenopus*. **Abstract.** 11th International *Xenopus* conference, Kazusa Akademia Park, Chiba, Japan.
- Calisi, R. M., **J. H. Malone**, and D. K. Hews. 2006. Female secondary sexual coloration in a spiny lizard is associated with nematode load, testosterone, and reproductive state. Animal Behavior Society, 43rd Annual Meeting, Snowbird, Utah.
- Malone, J. H.**, and P. Michalak. 2006. **Abstract.** *Xenopus* as a model for speciation genetics. American Genetics Association Annual Symposium: Genetics of Speciation. The University of British Columbia, Vancouver, Canada.
- Malone, J. H.**, D. L. Hawkins, Jr., and P. Michalak. 2006. Sex-biased gene expression in in a ZW sex-determination system. **Abstract.** The University of Texas-Arlington Annual Celebration of Excellence by Students in Research and Creativity, Arlington, Texas.
- Malone, J. H.**, D. L. Hawkins, Jr., and P. Michalak. 2006. Sex-biased gene expression in in a ZW sex-determination system. **Abstract.** 109th Texas Academy of Science Annual Meeting, Beaumont, Texas.
- Calisi, R. M., and **J. H. Malone**. 2006. Female coloration in the Mexican boulder spiny lizard, *Sceloporus pyrocephalus* is linked with interactions between reproductive state and parasite load. **Abstract.** 109th Texas Academy of Science Annual Meeting, Beaumont, Texas.
- Malone, J. H.**, D. L. Hawkins, Jr., and P. Michalak. 2005. Sex-biased gene expression in *Xenopus*. **Abstract.** Texas Herpetological Society: Building Partnerships between Enthusiasts and Academics, Austin, Texas.
- Calisi, R. M., **J. H. Malone**, J. W. Malcom, and D. R. Formanowicz. 2005. Size and secondary color correlates to area coverage in the Mexican Boulder Spiny Lizard, *Sceloporus pyrocephalus*. **Abstract.** Texas Herpetological Society: Building Partnerships between Enthusiasts and Academics, Austin, Texas.

- Malone, J. H.**, and P. Michalak. 2005. Gene expression and postzygotic isolation in *Xenopus* hybrids. **Abstract**. The University of Texas-Arlington, Research Day, Arlington, Texas.
- Michalak, P., I. Lee, D. Hoshino, and **J. H. Malone**. 2005. Genome-wide expression changes during speciation. **Abstract**. The University of Texas-Arlington, Research Day, Arlington, Texas.
- Malone, J. H.**, and P. Michalak. 2005. Gene expression and postzygotic isolation in *Xenopus* hybrids. **Abstract**. European Society for Evolutionary Biology, 10th Congress, Krakow, Poland.
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