

Jan E. Janecka, Ph.D.

ASSISTANT PROFESSOR

Department of Biological Sciences
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EDUCATION

- 2006** **TEXAS A&M UNIVERSITY / TEXAS A&M-KINGSVILLE**
PhD in Wildlife Science, Joint Program
Dissertation: *Conservation Genetics and Ecology of Ocelot with Recovery Implications in Texas*
- 2002** **UNIVERSITY OF VERMONT**
MS in Wildlife and Fisheries Biology
Thesis: *Genetic Analysis of a Bobcat (Lynx Rufus) Population in South Texas*
- 1999** **CORNELL UNIVERSITY**
BS in Biological Sciences

PROFESSIONAL EXPERIENCE

- 2014-Present** **Assistant Professor**
Department of Biological Sciences, Duquesne University
Graduate Faculty Affiliate Member, Texas A&M-Kingsville, 2014-present
External Graduate Faculty Associate Member, Texas A&M University, 2015-present
External Graduate Faculty Member, West Texas A&M University, 2015-present
- 2010–2013** **Research Assistant Professor** (population genetics and genomics)
Veterinary Integrative Biosciences, Texas A&M University
Executive Committee, Ecology & Evolutionary Biology Program, 2013
Faculty Member, Ecology & Evolutionary Biology Program, 2011-2013
Graduate Faculty External Member, Texas A&M-Kingsville, 2012-2013
Graduate Faculty Associate Member, Texas A&M University, 2011-2013
- 2006–2010** **Post-Doctoral Associate** (mammalian evolution)
Veterinary Integrative Biosciences, Texas A&M University
Mentor: Dr. William J. Murphy
- 2003–2006** **Rob & Bessie Welder Wildlife Doctoral Fellow** (conservation genetics)
Texas A&M University/Texas A&M-Kingsville, Joint PhD Program
Co-Advisors: Rodney Honeycutt & Michael Tewes
- 2002** **Research Assistant** (felid ecology)
Caesar Kleberg Wildlife Research Institute, Texas A&M-Kingsville
Supervisor: Michael Tewes
- 2002** **Research Assistant** (sea lamprey)
USFWS/University of Vermont Cooperative, Essex Junction, Vermont

- 2000–2002** **Rob & Bessie Welder Wildlife Masters Fellow** (bobcat genetics)
University of Vermont, Burlington
 Co-Advisors: David Hirth & C. William Kilpatrick
- 2000** **Research Assistant** (sea lampreys)
USFWS/University of Vermont Cooperative, Essex Junction, Vermont
- 1996–1999** **Undergraduate Research Assistant** (microbiology)
Department of Microbiology, Cornell University, Ithaca, New York
 Mentor: William Ghiorse

CERTIFICATION/TRAINING

- 2014** **National Academies Education Fellow in Science**, HOWARD HUGHES MEDICAL
 INSTITUTE/NATIONAL ACADEMY OF SCIENCES, SCIENCE EDUCATION INSTITUTE, JUNE
 2014
- 2003** **Tools for Teaching and Learning Success**, CENTER FOR TEACHING EFFECTIVENESS,
 TEXAS A&M UNIVERSITY-KINGSVILLE
- 2002** **Chemical Immobilization of Animals**, SAFE-CAPTURE INTERNATIONAL

HONORS/FELLOWSHIPS/AWARDS

- **National Science Foundation, East Asia and Pacific Summer Institutes–China Fellowship** 2006.
- **Welder Wildlife Foundation Doctoral Fellowship** 2002–2005.
- **Presidential Scholar Doctoral Fellowship Texas A&M University-Kingsville** 2003–2004.
- **Welder Wildlife Foundation Masters Fellowship** 2000–2002.
- **Howard Hughes Scholarship Cornell University** 1998–1999. Received BS degree in Biology from Cornell University with Honors.
- **National Academies Education Fellow in Science** 2014

TEACHING

- 2015 Spring** **BIOL 250: Genetics**
3 credits
Duquesne University
 Introductory Genetics course for majors and non-majors. 97 students.
- 2014 Fall** **BIOL 646: Advanced Topics: Bioinformatics – Analysis of Genomic Data**
1 credit
Duquesne University
 Course covers the approaches, methods, and analysis of genomes using next generation sequencing platforms. Includes lab component introducing students to Linux and bioinformatics software. 12 students
- 2014 Fall** **BIOL 394: Undergraduate Biology Seminar**
1 credit
Duquesne University
 Writing intensive course on preparing scientific manuscripts and presentations. Portion of the Honors thesis program. 3 students
- 2014 Spring** **BIOL 250: Genetics (co-Instructor, taught 2nd half of semester)**
3 credits
Duquesne University
 Introductory Genetics course for majors and non-majors. 109 registered students.

- 2012 Summer** **Mongolia Study Abroad Program**
VIBS 489/689 & WFS489/689 Special Topics in Mongolia Conservation
Genetics and Conservation Medicine
 Started this course and was the lead faculty. 9 registered students
3 credit hours
Texas A&M University
 In-depth field course in remote region of Mongolia.
- 2011–2013** **Instructor; VIBS 285/485/491 Directed Studies**
3 credit hours
Texas A&M University
 Taught molecular methods, genetic techniques, scientific writing and communication to a total of 5 undergraduates to date.
- 2011 Spring** **Guest Lecturer; GENE 320 Biomedical Genetics**
Instructor: Dr. James Derr
Texas A&M University function.
 Taught 1 guest lecture on DNA structure and organization.
- 2011 Spring** **Invited Faculty at 2-week course “Molecular methods for**
characterization, conservation and utilization of biodiversity”
 (26 February – 12 March)
 Course administered by the *Association for the Promotion of DNA Finger*
Printing and Associated DNA Technologies and the Center for Cellular and
Molecular Biology, Hyderabad, India.
 Taught lectures and laboratories during course on bioinformatics,
 population genetics, and phylogenetics.
- 2010 Fall** **Assistant Instructor; BIMS 485 Directed Studies**
Instructor: Dr. Bhanu Chowdhary
Texas A&M University
 Taught molecular techniques.
- 2009–2010** **Guest Lecturer; BIOLOGY 1406 General Biology**
Instructor: Jana Caldwell
 Blinn College
 Taught 4 guest lectures on conservation genetics.
- 2010 Summer** **Invited Faculty at 4-day workshop “Wildlife Research Techniques in**
Rugged Mountainous Environments in Asia”
 (16 – 19 May)
Ugyen Wangchuck Institute of Conservation and the Environment
 Bumthang, Bhutan
 Taught molecular and genetic techniques and their applications to wildlife
 management and conservation.
- 2006 Spring** **Laboratory Teaching Assistant; RENR 215 Fundamentals of Ecology**
Instructor: Roel Lopez
Texas A&M University
 Taught 2 semester-long field laboratories.
- 2003 April** **Guest Lecturer; WSCI 6372 Wildlife Conservation Biology**
Instructor: Dr. Michael Tewes
Texas A&M-Kingsville
 Taught 2 guest lectures on conservation genetics
- 2001 Fall** **Laboratory Teaching Assistant; BIO1A Introductory Biology**
University of Vermont
 Taught 2 semester-long general biology laboratories.
- 2000 Spring** **Teaching Assistant; NR140 Biostatistics**
University of Vermont
 Assisted with grading.
- 1999 Fall** **Laboratory Teaching Assistant; NR001 Natural History/Field Ecology**
University of Vermont
 Taught 2 semester-long field laboratories.

ORGANIZATIONS/MEMBERSHIPS

Species Survival Trust	2013-Present	Science Director
Snow Leopard Conservancy	2010-Present	Associate and Conservation Genetics Program Director
The Wildlife Society	2014-Present	Member
International Wildlife Management Working Group of The Wildlife Society	2014-Present	Member
National Academies Education Fellow in the Sciences	2014-Present	Appointed Member
USFWS Ocelot Recovery Implementation Team	2010-2014	Member
USFWS Ocelot Translocation Working Group	2010-2014	Member
IUCN/SSC Cat Specialist Group	2005-Present	Member
Smithsonian Institution	2008-2010	Research Collaborator
Snow Leopard Network	2009-Present	Member
Feline Conservation Federation	2012	Member
Texas Genetic Society	2010-2011	Member

SERVICE

- Biological Sciences Seminar Series, Organizer, and lead instructor for the undergraduate and graduate 1 credit seminar course (Fall 2015)
- Qualifying Exam Committee for 1st year PhD students, member (Spring 2015)
- Mentored Dr. Pollock's undergraduate students while he was on sabbatical (12)
- Hosted Biology Seminar speaker Dr. Michael Tewes Oct 23-24, 2014
- Taught teaching module to BSNEs faculty/staff meeting that illustrated the benefits of scientific based teaching and reverse design that was developed at the HHMI's Summer Institute
- Science Director of the Species Survival Trust (2013-Present)
- Executive Committee Member of the Interdisciplinary Research Program in Ecology and Evolutionary Biology (2013)
- Curriculum Chair, Interdisciplinary Research Program in Ecology and Evolutionary Biology (2013)
- Member of the Asia Pacific Rim Sub-Committee of the International Program, Texas A&M College of Veterinary Medicine and Biomedical Sciences (2012-2013)
- Member of the USFWS Ocelot Translocation Team and USFWS Ocelot Recovery Team Implementation Committee. Implementing recovery actions based partly on results from 8 publications (Janecka et al. 2011; 2008; 2007, Haines et al. 2007; 2006a; 2006b; 2006c; 2006d)
- Faculty Advisor for the Texas A&M student club *Aggies for Protection of Endangered Species* (2011-2013)
- Supervisor of the ABI3730 sequencing service for Molecular Cytogenetics and Genomics Laboratory, Texas A&M University

- Editorial Board of *European Journal of Wildlife Research* (2011-2014)
- Review Editorial Board of *Frontiers in Phylogenetics, Phylogenomics, and Systematics* (2014)
- External reviewer for the *Snow Leopard Conservation Grants Program* (2010, 2011)
- Presentation and poster judge for Graduate Student Association Symposium, Texas A&M University (2009, 2010, 2011)
- Sequencing and genotyping service of scat samples collected during wildlife surveys for customers and collaborators
- Developed international collaborations between Texas A&M University and numerous US and foreign institutions in Bhutan, Germany, India, Mongolia, Nepal, China, Pakistan, and Thailand. To date, these partnerships have led to 8 publications and 8 funded grants
- Trained lab technicians, field biologists, and provided technical assistance to international institutions including Center for Molecular Dynamics Nepal (Kathmandu, Nepal), Mongolian Academy of Sciences (Ulaanbaatar, Mongolia), and Ugyen Wangchuck Institute of Conservation and the Environment (Bumthang, Bhutan)
- Set-up a wildlife genetics lab together with Scott Mills, Paulo Alves, and David Tallmon at the Ugyen Wangchuck Institute of Conservation and the Environment (Bumthang, Bhutan)
- AD HOC manuscript reviews: *Acta Theriologica*, *Biochemical Genetics*, *BMC Evolutionary Biology*, *BMC Genomics*, *BMC Research Notes*, *BMC Veterinary Research*, *Cat News*, *Conservation Genetics*, *Current Zoology*, *Diversity*, *Ecology and Evolution*, *European Journal of Wildlife Research*, *Journal of Biogeography*, *Journal of Heredity*, *Journal of Mammalogy*, *Journal of Threatened Taxa*, *Journal of Zoology*, *Mammalia*, *Molecular Ecology*, *Molecular Ecology Notes*, *PLoS ONE*, *Ursus*, *Wildlife Society Bulletin*

JOURNAL PUBLICATIONS (42)

1. **Janecka** JE, Simone SE, Nielsen SE, Andersen SD, Hoffman FG, Weber RE, Anderson T, Storz JF, Fago A (In Press) Respiratory properties of snow leopard hemoglobins are seemingly maladapted to life at high altitude. *Journal of Experimental Biology* Embargoed until August 4.
2. Rodgers TW, Giacalone J, Heske EJ, **Janecka** JE, Jansen PA, Phillips, CA, Schooley RL (2015) Socio-spatial organization and kin structure in ocelots from integration of camera trapping and noninvasive genetics. *Journal of Mammalogy* 96:120 – 128.
3. Avila F, Baily MP, Merriwether DA, Trifonov VA, Rubes J, Kutzler M, Chowdhary R, **Janečka** JE, Raudsepp T (2015) A cytogenetic and comparative map of camelid chromosome 36 and the minute in alpacas. *Chromosome Research*. DOI 10.1007/s10577-014-9463-3
4. Rodgers T, Giacalone J, Heske E, **Janecka** J, Phillips C, Schooley R (2014) Support for fecal noninvasive genetics as a valid technique for estimating population density of elusive animals. *Tropical Conservation Science* 7:690 – 705. **Received Journal Cover.**
5. Statham MJ, Murdoch J, **Janecka** J, Aubry KB, Edwards CJ, Soulsbury CD, Berry O, Wang Z, Harrison D, Pearch M, Tomsett L, Chupasko J, Sacks B (2014) Multilocus phylogeography reveals divergent lineages and speciation within the most widely distributed terrestrial carnivore on earth, the red fox. *Molecular Ecology* 23:4813 – 4830.
6. **Janecka** JE, Tewes ME, Laack L, Caso A, Grassman LI, Honeycutt RL (2014) Loss of genetic diversity among ocelots in the United States during the 20th century linked to human induced population reductions. *Plos One* 9:2:e98384:1 – 10. DOI: 10.1371/journal.pone.0089384
7. **Janecka** JE, Jackson R, Munkhtsog B, Murphy WJ (2014) Characterization of 9 microsatellites and primers in snow leopards and a species-specific PCR assay for identifying noninvasive samples. *Conservation Genetic Resources* 6:369–373.
8. Rodgers T, **Janecka** JE (2013) Applications and techniques for non-invasive faecal genetics research in felid conservation. *European Journal of Wildlife Research* 59:1–16.

9. Holbrook JD, De Young RW, **Janecka JE**, Tewes ME, Honeycutt RL, Young JH (2012) Genetic diversity, population structure, and movements of mountain lions (*Puma concolor*) in Texas. *Journal of Mammalogy* 93:989–1000.
10. **Janecka JE**, Chowdhary B, Murphy WJ (2012) Exploring the correlations between sequence evolution rate and phenotypic divergence across the Mammalian tree provides insights into adaptive evolution. *Journal of Bioscience* 37:1–13.
11. Murphy MJ, **Janecka JE**, Stadler T, Eizirik E, Ryder OA, Gatesy J, Meredith RW, Springer MS (2012) Response to comment on “Impacts of the Cretaceous Terrestrial Revolution and KPg Extinction on Mammal Diversification”. *Science* 337:34–35.
12. Rosen T, Hussain S, Mohammad G, Jackson R, **Janecka JE**, Michel S (2012) Reconciling sustainable development of mountain communities with large carnivore conservation. *Mountain Research and Development* 32:286–293. Translated to Russian.
13. Springer MS, Meredith R, Gatesy J, Emerling C, Park J, Rabosky D, Stadler TC, Ryder O, **Janecka JE**, Fisher C, Murphy W (2012) Macroevolutionary dynamics and historical biogeography of primate diversification inferred from a species supermatrix. *PLoS ONE* 7:11:e49521:1–23.
14. Steelman S, Chowdhary B, Suchodolski J, Dowd S, **Janecka JE** (2012) Pyrosequencing of 16s rRNA Genes in fecal samples reveals high diversity of hindgut microflora in horses and potential links to chronic laminitis. *BMC Veterinary Research* 8:231.
15. Anwar MB, Jackson R, Nadeem MS, **Janecka JE**, S Hussain, Beg MA, Ghulam M, and Qayyum M (2011) Food habits of snow leopard *Panthera uncia* (Schreber, 1775) in Baltistan, Northern Pakistan. *European Journal of Wildlife Research* 57:1077–1083.
16. Gilad O, **Janecka JE**, Armstrong F, Tewes ME, Honeycutt TL (2011) Mountain lions in Guadalupe Mountains National Park: Estimates of occurrence and distribution through DNA analysis. *The Southwestern Naturalist* 56:297–304.
17. **Janecka JE**, Munkhtsog B, Jackson RM, Mallon DP, Naranbaatar G, Gerelmaa K, Murphy WJ (2011) Comparison of noninvasive genetic and camera-trapping techniques for surveying snow leopards. *Journal of Mammalogy* 92:771–783.
18. **Janecka JE**, Tewes ME, Laack LL, Caso A, Grassman LI Jr, Haines AM, Shindle D, Davis B, Murphy WJ, Honeycutt RL (2011) Reduced genetic diversity and isolation of remnant ocelot populations occupying a severely fragmented landscape in southern Texas. *Animal Conservation* 14:608–619.
19. Karmacharya DB, Thapa K, Shrestha R, Dhakal M, **Janecka JE** (2011) Noninvasive genetic population survey of snow leopards (*Panthera uncia*) in Kangchenjunga Conservation Area, Shey Phoksundo National Park and surrounding buffer zones of Nepal. *BMC Research Notes* 4:1–8.
20. Li G, **Janecka JE**, Murphy WJ (2011) Accelerated evolution of a putative premating isolation gene, *CES7*, in the cat family. *Molecular Biology and Evolution* 28:911–920.
21. *Meredith, RW, ***Janecka JE** (Co-first authors contributed equally), Gatesy J, Ryder OA, Fisher CA, Teeling EC, Alisha Goodbla A, Eizirik E, Simão TLL, Stadler T, Rabosky DL, Honeycutt RL, Flynn JF, Ingram CI, Steiner C, Williams TL, Robinson TJR, Burk-Herrick A, Westerman M, Ayoub NA, *Springer MS, *Murphy WJ (2011) Impacts of the Cretaceous Terrestrial Revolution and KPg Extinction on Extant Mammal Diversification. *Science* 334:521–524. *First and last authorship determined by coin flip.
22. Springer MS, Meredith RW, **Janecka JE**, Murphy WJ (2011) The historical biogeography of Mammalia. *Philosophical Transactions of the Royal Society B: Biological Sciences* 366:2478–2502.
23. Miller W, Drautz DI, **Janecka JE**, Lesk AM, Ratan A, Tomsho LP, Packard M, Zhang Y, McClellan LR, Qi J, Zhao F, Gilbert MTP, Dalén L, Arsuaga JL, Ericson PGP, Huson DH, Helgen KM, Murphy WJ, Götherström A, Schuster SC (2009) The mitochondrial genome sequence of the Tasmanian tiger (*Thylacinus cynocephalus*). *Genome Research* 19:213–220. **Received Journal Cover.**
24. **Janecka JE**, Jackson R, Zhang Y, Li D, Munkhtsog B, Buckley-Beason V, Murphy WJ (2008) Population monitoring of snow leopards using noninvasive collection of scat samples: A pilot study. *Animal Conservation* 11:401–411. **Received Journal Cover.**

25. **Janecka JE**, Jackson R, Zhang Y, Li D, Munkhtsog B, Buckley-Beason V, Murphy WJ (2008) Population monitoring of snow leopards using noninvasive genetics. *Cat News* 48:7–10.
26. **Janecka JE**, Lim NT-L, Baba M, Izawa M, Boeadi, Murphy WJ (2008) Evidence for multiple species of Sunda colugos. *Current Biology* 18:R1001–R1002.
27. **Janecka JE**, Tewes ME, Laack LL, Grassman LI Jr, Haines AM, Honeycutt RL (2008) Small effective population sizes of two remnant ocelot populations (*Leopardus pardalis albescens*) in the United States. *Conservation Genetics* 9:869–878.
28. Haines AM, Tewes ME, **Janecka JE**, Grassman LI (2007) Evaluating the benefits and costs of ocelot recovery in southern Texas. *Endangered Species UPDATE* 24:35-40.
29. **Janecka JE**, Blankenship TL, Hirth DH, Kilpatrick CW, Tewes ME, Grassman LI Jr (2007) Evidence for male-biased dispersal in bobcats *Lynx rufus* using relatedness analysis. *Wildlife Biology* 13:38–47.
30. **Janecka JE**, Grassman LI Jr, Honeycutt RL, Tewes ME (2007) Whole genome amplification for sequencing and applications in conservation genetics. *The Journal of Wildlife Management* 71:1357–1360.
31. **Janecka JE**, Miller W, Pringle TH, Wiens F, Zitzmann A, Helgen KM, Springer MS, Murphy WJ (2007) Molecular and genomic data identify the closest living relative of primates. *Science* 318:792–795.
32. **Janecka JE**, Walker CW, Tewes ME, Caso A, Laack LL, Honeycutt RL (2007) Phylogenetic relationships of ocelot (*Leopardus pardalis albescens*) populations from the Tamaulipan Biotic Province and implications for recovery. *Southwestern Naturalist* 52:89–96. **Received Journal Cover.**
33. Grassman LI, Haines AM, **Janecka JE**, Tewes ME (2006) Activity periods of photo-captured mammals in northcentral Thailand. *Mammalia* 70:306–309.
34. Grassman LI, **Janecka JE**, Austin SC, Tewes ME, Silvy NJ (2006) Chemical immobilization of free-ranging dhole (*Cuon alpinus*), binturong (*Arctis binturong*), and yellow-throated marten (*Martes flavigula*) in Thailand. *European Journal of Wildlife Research* 52:297–300.
35. Haines AM, Grassman LI, **Janecka JE**, Tewes ME (2006) First ocelot (*Leopardus pardalis*) monitored with GPS telemetry. *European Journal of Wildlife Research* 52:216–218.
36. Haines AM, **Janecka JE**, Tewes ME, Grassman LI, Morton P (2006) The importance of private lands for ocelot *Leopardus pardalis* conservation in the United States. *Oryx* 40:1–5.
37. Haines AM, Tewes ME, Grassman LI, **Janecka JE** (2006) Identifying culvert sites to reduce ocelot vehicle collisions. *Wild Cat News* 2:27-32.
38. Haines AM, Tewes ME, Grassman LI, **Janecka JE** (2006) Reducing ocelot vehicle collisions. *Wild Cat News* 2:1–6
39. **Janecka JE**, Blankenship TL, Hirth DH, Tewes ME, CW Kilpatrick, LI Grassman Jr (2006) Kinship and social structure of bobcats (*Lynx rufus*) inferred from microsatellite and radio-telemetry data. *Journal of Zoology (London)* 269:494–501
40. **Janecka JE**, Grassman LI Jr, Derr JN, Honeycutt RL, Eiadthong W, Tewes ME (2006) Rapid whole genome amplification of DNA from felids: Applications for conservation genetics. *Wildlife Society Bulletin* 34:1134–1141.
41. **Janecka JE**, Jenkins MB, Brackett NS, Lion LW, Ghiorse WC (2002) Characterization of a *Sinorhizobium* isolate and its extracellular polymer implicated in pollutant transport in soil. *Applied and Environmental Microbiology* 68:423–425.
42. Pimentel D, McNair S, **Janecka JE**, Wightman J, Simmonda C, O'Connell C, Wong E, Russel L, Zern J, Aquino T, Tsomondo T (2001) Economic and environmental threats of alien plant, animal, and microbe invasions. *Agriculture, Ecosystems and Environment* 84:1–20.

BOOK CHAPTERS

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- Janecka JE**, Alves P, Karmacharya D, Samsel N, Tallmon D, Schwartz M, Cheng E (2013) Wildlife genetics in rugged landscapes: methods, applications, and examples. Pp. 35-61. In: *Wildlife Research Techniques in Rugged Mountainous Asian Landscapes*. Scott L. Mills & Tshering Tempa, Editors. Ugyen Wangchuck Institute for Conservation and Environment, Bhutan.
- Janecka JE**. (2012) Tracks of my soul. In: *Snow Leopard Stories from the Roof of the World*. Don Hunter, Editor. University Colorado Press. Pp. 25–31.

Grassman LI, **Janecka** JE, Tewes ME (2006) Ecological separation of *Martes flavigula* with 5 sympatric mesocarnivores in northcentral Thailand. In: *Martes in Carnivore Communities: Proceedings of the 4th International Martes Symposium*. Santos-Reis M, Proulx G, Birks JDS, O'Doherty EC, Editors. Alpha Wildlife Publications, Sherwood Park, Alberta, Canada. Pp. 63–73.

PUBLICATIONS - IN REVIEW

Janecka, JE, ME Tewes, IA Davis, A Haines, A Caso, T Blankenship, RL Honeycutt (In Review) Comparative impacts of fragmentation on landscape genetics of a habitat generalist and specialist, the bobcat and ocelot. *Biological Conservation* Submitted 6/23/15

POPULAR PUBLICATIONS

Janecka, JE and L. Janecka (2009 – 2014) The Art of Lubomir Janecka. <http://www.janecka-art.com/>

Janecka, JE (2012) Identifying genes contributing to the white coat color in tigers and associated phenotypic disorders. *Feline Conservation Federation*. March/April Issue 56:32–33.

Janecka, JE (2011-2013) Website for Molecular Cytogenetics and Genomics Laboratory, Department of Veterinary Integrative Biosciences. Texas A&M University.

<http://vetmed.tamu.edu/labs/cytogenics-genomics>

Janecka J (2006–2004) Website for the Feline Research Program, Caesar Kleberg Wildlife Research Institute, Texas A&M University-Kingsville. <http://ckwri.tamuk.edu/feline>.

STUDENT MENTEE PUBLICATIONS/THESIS

Carney S (2013) Genetic Influence on coat color and health of tigers.

Explorations! The Texas A&M Undergraduate Journal. Fall 2013 (Advisor: JE Janecka)

Carney S (2013) Genetic diversity of white tigers and genetic factors related to coat color. *Honors Fellow Undergraduate Thesis*, Texas A&M University. (Advisor: JE Janecka)

Jackson A (2013) Plasma citruline levels in horses at risk of acute laminitis.

Honors Fellow Undergraduate Thesis, Texas A&M University. (Advisor: JE Janecka)

Wright T (2013) Comparative genomics of Mongolian purebred and crossbred horses: Conserving an Important Breed.

Honors Fellow Undergraduate Thesis, Texas A&M University. (Advisor: JE Janecka)

Larkin E (2012) Investigation of the Genes Associated with the White Coat Color in Tigers. *Honors Fellow Undergraduate Thesis*, Texas A&M University. (Advisor: JE Janecka)

Halley Y (2011) Snow leopard density in western Mongolia: A study of population genetics.

Explorations! The Texas A&M Undergraduate Journal. Fall 2011; 28–29&37. (Advisor: JE Janecka)

SECURED FUNDING

2015 **Analysis of temporal variation in prey use and livestock depredation of snow leopards (*Panthera uncia*) in Pakistan and potential links to climate change**

Explorer's Club

PIs: Matt Jevit (Janecka's MS student), submitted under Janecka's mentorship

2015 **Analysis of temporal variation in prey use and livestock depredation of snow leopards (*Panthera uncia*) in Pakistan and potential links to climate change.**

Snow Leopard Conservation Grants Program

PIs: Matt Jevit (Janecka's MS student), JE Janecka

2015 **Project Snow Leopard – Diet Analysis**

Safari Club International

PI: Shafqat Hussain

- Collaborator: JE Janecka
- 2014-2016 Snow Leopard Genomics and Prey Use**
The Snow Leopard Conservancy
PI: JE Janecka
- 2013-2015 Ecology and Evolutionary Biology Program**
Tier One Program (TOP): Integration of Multidisciplinary Research and Creative Activities into the Learning Experience
Lead PI: GG Rosenthal; Additional PIs: AR Armitage, DE Baumgardner, ST Behmer, JE Janecka, GW Moore, WJ Murphy, TD Olszewski, MJ Peterson, AS Quigg, WE Rogers, MA Slotman.
- 2013-2015 The response of the equine hindgut microbial community to increased carbohydrate consumption**
Morris Animal Foundation
PI: JE Janecka, Co-PI: B Chowdhary, J Coverdale
- 2012-2014 Sequencing and functional analysis of the horse Y chromosome**
USDA – AFRI
PI: B. Chowdhary, Co-PI: T Raudsepp, JE Janecka, C Johnson
- 2012-2013 Population status, distribution, and conservation genetics of snow leopards in Central Asia**
Snow Leopard Conservancy
PI: JE Janecka
- 2012-2013 Status and conservation of snow leopards in the transboundary Altai region of Russia and Mongolia**
Mohamed Bin Zayed Species Conservation Fund
PI: Rod Jackson, Co-PI: B. Munkhtsog, M. Paltsyn, J. Janecka
- 2012 Mongolia study abroad funds for student scholarships**
International Program, College of Veterinary Medicine and Biomedical Sciences (TAMU)
PI: Jan Janecka, Co-PI: C Budke, WJ Murphy
- 2012-2013 The development of genetic tools for the identification of huntable African wildlife: DNA BarCoding African wildlife**
Safari Club International
PI: J Derr, Co-PI: JE Janecka
- 2012-2013 Tiger Genomics Program**
T.I.G.E.R.S.
PI: JE Janecka
- 2012-2013 Summer Undergraduate Research: Deciphering genomic factors contributing to the development of important phenotypes and associated physical abnormalities in tigers**
Summer Programs for Undergraduate Research, Texas A&M University
PI: JE Janecka
- 2012-2013 Doctoral research program in genomics and ecological genetics to develop future leaders in science**
Pathways to a Doctorate Fellowship Program, Associate Provost of Graduate Studies, Texas A&M University
PI: JE Janecka, Co-PI: Bhanu Chowdhary, Terje Raudsepp, William Murphy, Christopher Seabury, James Womack, Gill Rosenthal, Charles Criscione
- 2010-2011 Evolution, phylogeography, and population structure of snow leopards in Central Asia**
Postdoctoral Trainee Research Grant, College of Veterinary Medicine & Biomedical Sciences, Texas A&M University
PI: JE Janecka
- 2010-2011 Status, distribution, and population connectivity of the snow leopard in Mongolia and implications for conservation**
Snow Leopard Conservation Grants Program
PIs: N Galsandorj, B Munkhtsog, JE Janecka

- 2007-2010 Landscape genetics of the snow leopard in Mongolia, Pakistan, and Nepal**
Snow Leopard Conservancy
 PI: JE Janecka, CoPI: WJ Murphy
- 2009-2010 Population status and distribution of the snow leopard in China**
Snow Leopard Conservation Grants Program
 PIs: JE Janecka, CoPI: WJ Murphy
- 2008-2009 Status, distribution, and conservation genetics of the snow leopard in Central Asia**
National Geographic Society
 PI: JE Janecka, Co-Pi: WJ Murphy, R Jackson
- 2008-2009 Conservation genetics of endangered ocelot in Texas and Northern Mexico**
Texas Parks and Wildlife Department
 PI: JE Janecka, Co-PI: RL Honeycutt,
- 2001 Genetic analysis of a bobcat population in south Texas**
American Museum of Natural History
 Student Grant: JE Janecka

PENDING FUNDING

- 2015-2018 A Phylogeny of placental mammals based on Paleocene Taxa: Determining the impact of the K-Pg extinction on mammalian evolutionary history**
The National Science Foundation
 PI: J Wible, coPIs: M Spaulding, TE Williamson, SL Brusatte, JE Janecka

INVITED SEMINARS

- 2015 Conservation and Genetics of an Iconic Species: The Snow Leopard**
 Edinboro University of Pennsylvania. 26 March
- 2014 Snow Leopard Conservation Genetics – Applying Science to Protect an Iconic Species**
 Slippery Rock University. 3 October
- 2014 Snow Leopards of Central Asia: Conservation & Research in Partnership with Local Communities**
 The R.W. Moriarty Science Seminar, Carnegie Museum. 10 September.
- 2014 Conservation Genetics of Snow Leopards in Partnership with Local Communities**
 Smithsonian Institute – The National Museum of Natural History. 21 May.
- 2014 Snow Leopards of Central Asia**
 Pittsburgh Zoo and PPG Aquarium. 15 March
 Pittsburgh, PA
- 2014 Conservation and Research of Snow Leopards in Partnership with Local People**
 Pittsburgh Zoo and PPG Aquarium. 15 March
 Pittsburgh, PA
- 2013 Equine health**
 Texas AgriLife. 10 July 2013.
 College Station, Texas
- 2013 Mountain lions of Texas**
 Texas Master Naturalist. 13 June 2013.
 Bryan, Texas
- 2013 Contribution of genomics to the conservation and management of species.**
 Department of Biology, Duquesne University, 1 February 2013.
 Pittsburgh, Pennsylvania
- 2012 Saving the snow leopards of Central Asia in partnership with local people (Joint talk – Rod Jackson & Jan Janecka)**
 Houston Zoo and the Asia Society. 20 November.
 Houston, Texas

- 2012 Snow leopard conservation in Mongolia**
Texas A&M Student Chapter of the Society Conservation Biology. 11 October.
College Station, Texas
- 2012 Genetic erosion in the Texas ocelot population and potential consequences to health and recovery**
Texas A&M Student Chapter of the Wildlife Disease Association. 10 October. College Station, Texas
- 2012 Ocelot conservation in Texas: Applying science to save a species**
Aggies for Protection of Endangered Species, Texas A&M University. 10 September. College Station, Texas
- 2012 Snow leopard conservation genetics in Mongolia**
Caesar Kleberg Wildlife Institute, Texas A&M University-Kingsville. 18 September. Kingsville, Texas
- 2012 Exploring genetic factors associated with the white coat color in tigers**
Feline Conservation Federation Convention. 9 June. Cincinnati, Ohio
- 2012 Snow leopard conservation: Applying genetics to save the species in Mongolia**
Texas A&M Student Chapter of the Wildlife Disease Association. 16 April. College Station, Texas
- 2012 Conservation genetics of ocelots and the implications for species recovery in the US**
Rio Brazos Audubon Society, Brazos Valley Museum of Natural History. 11 April. Bryan, Texas
- 2012 Landscape genetics of snow leopards in Mongolia and impacts on Conservation**
Borlaug Institute for International Agriculture, Texas A&M University. 24 February. College Station, Texas
- 2011 Population abundance and landscape connectivity of snow leopards and the implications for conservation**
Snow Leopard Exchange Meeting WWF-Mongolia. 17 October. Ulaanbaatar, Mongolia
- 2011 Application of genomics to the conservation and management of species**
15th Annual Convention of Association for the Promotion of DNA Finger Printing and Associated DNA. Focus: Genomics and Biodiversity. 23–25 February. Hyderabad, India
- 2010 Bhutan's first wildlife genetics lab: How DNA will be extracted from scat and hairs of elephant, snow leopard, takin, and other wildlife species**
Ugyen Wangchuck Institute of Conservation and the Environment. 14 May. Bumthang, Bhutan
- 2010 Understanding the status and distribution of snow leopards using noninvasive genetics**
Nepal Academy of Science and Technology. 19 March. Lalitpur, Nepal
- 2010 Applying advances in genetics to wildlife conservation**
Center of Molecular Dynamics-Nepal. 16 March. Kathmandu, Nepal
- 2010 Resolving the distribution, abundance, and evolution of snow leopards by integrating noninvasive genetic techniques and available genomic resources**
Snow Leopard Functional Genomics Initiative Collaborative Planning Workshop. 18 January. San Diego, California
- 2009 Mammal diversification and conservation of biodiversity**
Partnership for Education and Rural Health (PEER) Summer Camp, Introduction to Veterinary Medicine. 20 July. Texas A&M University
- 2008 Population monitoring of snow leopards in Central Asia using non-invasive genetics**
Ecomunch Seminar, Department of Zoology, University of Oklahoma. 23 September. Norman, Oklahoma
- 2008 Genetic techniques for snow leopard population monitoring**
International Conference on Range-Wide Conservation Planning for Snow Leopards. 10 March. Beijing, China

- 2006 Conservation genetics of snow leopard in China.**
Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry. 9 August. Beijing, China
- 2005 Genetic variation of wild cats in Texas**
Universidad Nacional Autónoma de México. 9 March. Mexico City, Mexico
- 2004 Progress of the Feline Research Program in ocelot research**
USFWS Ocelot Recovery Meeting. 30 November. Harlingen, Texas
- 2004 Population genetics of ocelot**
National Pingtung University, 19 August. Kaohsiung, Taiwan.
- 2004 Population genetics of ocelot: The implications for conservation**
Kasetsart University, Faculty of Forestry. 12 August. Bangkok, Thailand
- 2004 Genetic techniques critical for conservation**
Kasetsart University, Faculty of Forestry. 8 August. Bangkok, Thailand

CONFERENCE PRESENTATIONS (*presenter, student mentee underlined)

- 2015 Exploring the Adaptations of Bobcats to Diverse Ecosystems by Identifying Genomic Regions Under Selection** (Poster)
7th Annual Undergraduate Research Symposium. April 9. Pittsburgh, PA
Sarah Sprauer, J Broderick, JE Janecka
- 2015 Powdermill Nature Reserve Camera-Trapping Survey** (Poster)
Pennsylvania Chapter of the Wildlife Society. March 21. State College PA
M. Jevit*, JE Janecka
- 2014 A whole genome integrated map of the alpaca** (Poster)
Plant & Animal Genome XXII. 11-16 January 2014. San Diego, California
F Avila*, PJ Das, MP Baily, P Perelman, JE Janecka, R Chowdhary, E Owens, M Kutzler, A Merriwether, WE Johnson, T Raudsepp
- 2013 Sequencing and de novo assembly of the male specific region of the equine Y chromosome** (Platform)
10th Dorothy Russel Havemeyer Foundation International Equine Genome Mapping Workshop. 12 July 2013. Furnas, Portugal
JE Janecka, T Raudsepp, B Chowdhary*
- 2103 Noninvasive genetics versus camera trapping: estimating population density of an elusive carnivore *Leopardus pardalis*** (Platform)
American Society of Mammalogists Annual Meeting. 14-18 June, Philadelphia, Pennsylvania
TW Rodgers*, RL Schooley, J Giacalone, JE Janecka, EJ Heske
- 2013 Influence of Dietary Grain Supplementation on Cecal Microbial Populations in Horses** (Platform)
Equine Science Society Symposium. 28 May 2013. San Antonio
CM Warzecha, JA Coverdale, JE Janecka, WE Pinchak, TA Wickersham
- 2013 Discovery of a sub-population of ocelots in Texas: Genetic rescue for an endangered species?** (Platform)
Texas Chapter of the Wildlife Society, 21-23 February, Houston, Texas
JM Korn*, JE Janecka, RW De Young, A Caso, J Mays, A Ortega-Sanchez, DJ Kunz, L Laack, ME Tewes
- 2013 The composition and distribution of native and non-native red fox in central Colorado** (Platform)
Texas Chapter of the Wildlife Society, 21-23 February, Houston, Texas
C Merson*, BN Sacks, MJ Statham, RP Lopez, JE Janecka
- 2013 Global phylogeography of the most widely distributed carnivore, the Red Fox (*Vulpes vulpes*)** (Platform)
The Wildlife Society-Western Section Annual Meeting. 31 January 2014. Sacramento, California

- M Statham*, J Murdoch, JE Janecka, C Edwards, B Sacks
- 2012 Investigation of the genes associated with the white coat color in tigers** (Platform)
Texas Genetics Society Annual Meeting. 24 March 2012. San Antonio, Texas
 E Larkin*, JE Janecka
Won Outstanding Undergraduate Student Platform Presentation
- 2012 Characterization of equine gastrointestinal microflora in healthy horses and those with chronic laminitis.** (Poster)
Keystone Symposium on the Microbiome. 4 March 2012 Keystone, Colorado.
 SM Steelman*, JE Janecka, JS Suchodolski, S Dowd, BP Chowdhary
- 2011 Population structure of snow leopards in western Mongolia** (Poster)
Texas Genetic Society Annual Meeting. 30 March 2011. Dallas, Texas
 JE Janecka*, R Jackson, B Munkhtsog, N Galsandorj, Y Halley, WJ Murphy
- 2011 Population density estimates of snow leopards in western Mongolia using noninvasive genetics** (Platform)
Texas Genetics Society Annual Meeting. 9 April 2011. Dallas, Texas
 Y Halley*, B Munkhtsog, R Jackson, JE Janecka
- 2011 Next generation DNA sequencing to characterize equine gastrointestinal microflora in healthy horses and those with acute laminitis of gastrointestinal origin** (Poster)
Havemeyer Foundation Genome Workshop. July 2011. Minneapolis, Minnesota
 SM Steelman*, JE Janecka, BP Chowdhary
- 2011 Characterization of laminar, gastrointestinal, and immune system dysregulation in chronic equine laminitis** (Poster)
International Laminitis Conference. 28-31 October 2011. West Palm Beach, Florida
 SM Steelman*, JE Janecka, BP Chowdhary
- 2009 Non-invasive camera trapping and genetic techniques for estimating snow leopard population size in Tost Uul, South Gobi, Mongolia** (Platform)
Carnivores 2009 Carnivore Conservation in a Changing World. 15-18 November 2009. Denver, Colorado
 R Jackson*, B Munkhtsog, JE Janecka, D Mallon
- 2009 A family-level supermatrix resolves the phylogeny and timing of intra-ordinal radiations** (Platform)
Society for Molecular Biology and Evolution. 3-7 June. Iowa City, Iowa
 JE Janecka*, R Meredith, M Springer, WJ Murphy
- 2007 Status, distribution, and conservation genetics of the snow leopard in Central Asia** (Platform)
Texas Genetic Society. 13 April. San Antonio, Texas
 JE Janecka*, R Jackson, D Li, and W Murphy
- 2007 Conservation genetics and ecology of ocelots with recovery implications in Texas** (Platform)
Rob & Bessie Welder Biannual Symposium. 14-16 October. Sinton, Texas
 JE Janecka*, LI Grassman, TL Blankenship, ME Tewes, AM Haines, A Caso, RL Honeycutt
- 2007 Non-invasive survey of snow leopards in Central Asia** (Poster)
 ConGen3: The 3rd Biannual Symposium of Conservation Genetics (American Genetics Society). 27-29 September 2007. New York, New York
 JE Janecka*, R Jackson, DQ Li, YQ Zhang, B Munkhtsog, W Murphy
- 2006 Mitochondrial control region variation of ocelot and bobcat in Tamaulipan Biotic Province** (Platform)
The Texas Chapter of the Wildlife Society 41st Annual Meeting. 16-18 February. South Padre, Texas
 JE Janecka*, LI Grassman, TL Blankenship, ME Tewes, AM Haines, A Caso, RL Honeycutt
- 2006 Genetic structure of mountain lion populations in Texas and implications for management** (Platform)

- The Texas Chapter of the Wildlife Society 41st Annual Meeting*. 16–18 February. South Padre, Texas.
JE Janecka*, LI Grassman, ME Tewes, J Young, RL Honeycutt
- 2005 Genetic structure of mountain lion (*Puma concolor*) populations in Texas and implications for management** (Platform)
Conservation, Ecology, and Evolutionary Biology Student Research Symposium. 23 April. College Station, Texas
JE Janecka*, ME Tewes, LI Grassman, J Garza, J Young, RL Honeycutt
- 2005 Phylogenetics of ocelot from the Tamaulipan Biotic Province and implications for recovery** (Platform)
The Texas Chapter of the Wildlife Society 40th Annual Meeting. 24–25 February. Amarillo, Texas
JE Janecka*, CW Walker, RL Honeycutt, LL Laack, A Caso, ME Tewes
- 2005 Phylogenetics of ocelot from the Tamaulipan Biotic Province and implications for recovery** (Platform)
Texas Society of Mammalogists 23rd Annual Meeting. 18–19 February. Junction, Texas
JE Janecka*, CW Walker, RL Honeycutt, LL Laack, A Caso, ME Tewes
- 2004 Social structure and male-biased dispersal of bobcats inferred from microsatellites** (Platform)
Rob & Bessie Welder Biannual Symposium and 50 Year Anniversary. 14–16 October. Sinton, Texas
JE Janecka*, TL Blankenship, DH Hirth, CW Kilpatrick, LI Grassman, ME Tewes
- 2004 Road ecology of ocelot and bobcat in southern Texas** (Platform)
The Wildlife Society 11th Annual Conference. 18–22 September. Calgary, Alberta
JE Janecka*, S Webb, LL Laack, ME Tewes
- 2004 Conservation genetics of ocelot in southern Texas and northern Mexico** (Platform)
Texas Society of Mammalogists 22nd Annual Meeting. 20–22 February. Junction, Texas, USA
JE Janecka*, CW Walker, RL Honeycutt, LL Laack, A Caso, ME Tewes
- 2004 Dietary overlap between ocelots and bobcats** (Platform)
Southwestern Association of Naturalists 51st Annual Meeting. 15–17 April. San Antonio, Texas
JE Janecka*, ME Tewes, LL Laack, J Young, S Hayeslett
- 2004 Road ecology of ocelot and bobcat in southern Texas** (Platform)
Texas Society of Mammalogists 22nd Annual Meeting. 20–22 February. Junction, Texas
JE Janecka*, S Webb, LL Laack, ME Tewes
- 2003 Conservation genetics of ocelot in south Texas and implications for ocelot recovery** (Platform)
Southwestern Carnivore Conference. Brownsville, Texas
JE Janecka*, CW Walker, RL Honeycutt, LL Laack, A Caso, ME Tewes
- 2003 Kinship and social structure of bobcats inferred from microsatellites and radio-telemetry data** (Platform)
The Wildlife Society's 10th Annual Conference. 6–10 September. Burlington, Vermont
JE Janecka*, T Blankenship, DH Hirth, CW Kilpatrick
- 2003 Reduced genetic variation among ocelot populations in Texas** (Platform)
The 4th European Congress of Mammalogy. August 1–27 July 27. Brno, Czech Republic
JE Janecka*, CW Walker, RL Honeycutt, LL Laack, A Caso, ME Tewes
- 2003 Reduced genetic variation among ocelot populations in Texas** (Platform)
The 83rd Annual Meeting of the American Society of Mammalogists. 21–25 June. Lubbock, Texas
JE Janecka*, CW Walker, RL Honeycutt, LL Laack, A Caso, ME Tewes
- 2003 Ocelot and bobcat spatial patterns relative to roads in southern Texas**

- (Platform)
The 83rd Annual Meeting of the American Society of Mammalogists. 21–25 June.
 Lubbock, Texas
 JE Janecka*, S Webb, LL Laack, ME Tewes
- 2003 Wild cat research in Thailand: past, present, and future directions** (Platform)
Felid Taxon Advisory Group Mid-Year Meeting. 2–6 April Dallas, Texas.
 JE Janecka*, LI Grassman, ME Tewes
- 2003 Male-biased dispersal in bobcats *Lynx rufus*** (Platform)
The Texas Chapter of the Wildlife Society 38th Annual Meeting. 13–15 February.
 Waco, Texas
 JE Janecka*, TL Blankenship, DH Hirth, CW Kilpatrick
- 2001 Conservation genetics of bobcats, *Lynx rufus*, in south Texas** (Platform)
School of Natural Resources Annual Symposium. Fall Semester, Burlington, Vermont
 JE Janecka*, TL Blankenship, DH Hirth, CW
- 1997 Characterization of urban coal-tar disposal site isolate *Rhizobium* sp. 9702M4**
 (Platform)
Howard Hughes Scholar Symposium, Cornell University. Summer. Ithaca, New York
 JE Janecka*, WC Ghiorse

STUDENT MENTEE INVITED TALKS

- Lions, tigers and undergrads, oh my**
Zoology Club, Texas A&M University. 12 September 2012.
 Emilee Larkin, Presented invited talk on her honors thesis.

MEMBERSHIP ON GRADUATE STUDENT COMMITTEES -

Duquesne University:

Mathew Jevit **2015-Present** **MS Committee – major advisor**

Thesis: Equine microflora of the hindgut

MS Program in Environmental Science and Management

Jennifer Broderick **2014-Present** **PhD Committee – major advisor**

Dissertation: Genomic and Morphological Differences between the Tiger Subspecies.

PhD Program in Biology

Brian Trevelline **2014-Present** **MS Committee**

Dissertation: Effects of pollution on water thrush

PhD Program in Biology

Major Advisor: Dr. Brady Porter

Jennifer Vill **2014-Present** **MS Committee**

Dissertation: Enzymatic Properties of Prostatic Acid Phosphatase (ACPP) and the Molecular Coevolution of ACPP and Human Immunodeficiency Virus (HIV) in Primates

PhD Program in Biology

Major Advisor: Dr. Michael Seaman

Kelsie Drop **2014-Present** **MS Committee**

*Thesis: Analysis of Allele Distribution in *Felis catus*: STR analysis of the Pittsburgh Population*

MS Program in Forensics

Major Advisor: Dr. Lisa Ludvico

External Committees while at Duquesne University:

John Leonard **2014-Present** **PhD Committee**

Dissertation: Habitat use, density, and MHC diversity of ocelots in the Willacy population of south Texas

PhD program in Wildlife Science, Texas A&M University-Kingsville

Major Advisor: Dr. Michael Tewes

Imogene Davis **2013-Present** **MS Committee**

Thesis: Population genetics of bobcats
MS Program in Wildlife Biology, West Texas A&M University
Major Advisor: Dr. Rocky Ward

Carrie Merson **2012-Present** **MS Committee**
Thesis: Population genetics of native and non-native red fox in Colorado
MS Program in Wildlife Biology, Texas A&M University
Major Advisor: Dr. Roel Lopez

Floyd Barnes **2012-Present** **MS Committee**
Thesis: Genetic tools for DNA barcoding of huntable African wildlife species.
MS program in Biomedical Sciences, Texas A&M University
Major Advisor: James Derr

Daisy Johnson **2014** **MS Committee**
Thesis: Development and characterization of an in vitro tissue culture model for equine laminitis
MS program in Biomedical Sciences, Texas A&M University
Major Advisor: Dr. Bhanu Chowdhary

Committee membership prior to Duquesne University:

Christine Warzecha **2013** **MS Committee**
Thesis: The effect of dietary shifts on the equine gut microflora.
MS program in Animal Science, Texas A&M University
Major Advisor: Dr. Josie Coverdale

Jennifer Korn **2013** **PhD Committee**
Dissertation: Ocelot social structure and conservation genetics
PhD Program in Wildlife Science, Texas A&M University-Kingsville
Major Advisor: Dr. Michael Tewes
(Note: Jennifer is attending Texas A&M University- Kingsville)

Gregory Vo **2012** **MS Committee**
MS Program in Biomedical Sciences (Non-Thesis) , Texas A&M University
Major Advisor: Bhanu Chowdhary

MENTORED UNDERGRADUATE STUDENTS

Sarah Sprauer **2014-present** **Undergraduate Research Assistant**
Honors Thesis: Exploring the Adaptations of Bobcats to Diverse Ecosystems by Identifying Genomic Regions under Selection

Matt Jevit **2014-2015** **Undergraduate Research Assistant, currently MS student in Janecka lab**
Snow leopard diet analysis, bobcat ecology.

Sara Carney **2012-2013** **VIBS285/491**
TAMU undergraduate Honors thesis: *Genetic Factors Relating to Inbreeding and Coat Color in White Tigers.*

Taryn Wright **2012-2013** **VIBS285/491**
TAMU undergraduate Honors thesis: *Comparative Genomics of Mongolian Purebred Horses and Hybrids: Conserving an Important Breed.*

Amy Jackson **2011-2013** **VIBS285/491**
TAMU undergraduate Honors thesis: *The Use of Serum Citrulline Levels to Predict the Onset of Equine Laminitis.*

Emilee Larkin **2010-2012** **BIMS485 & 491 student**
TAMU undergraduate Honors thesis: *Investigation of Genes Associated with the White Coat Color in Tigers.*

Yvette Halley **2011** **BIMS 485 student**

Yvette's BIMS485 research was highlighted in the fall 2011 edition of "Explorations! The Texas A&M Undergraduate Journal". Yvette is now in the Genetics Phd Program at TAMU and part of Dr. Chris Seabury's laboratory.

Angie Love **2009-2010** **Research Assistant**

Dustin Dwigins **2008-2010** **Research Assistant**

Dustin went on to attend the MD program at The University of Texas Medical Branch at Galveston (UTMB).

Colleen Fisher **2008-2009** **Research Assistant**

Colleen Fisher went on to receive her MS degree in Biomedical Sciences at TAMU and is now a PhD student in Dr. Chris Seabury's laboratory (Vet Pathobiology, TAMU).

Anisha Jambhekar **2007** **Research Assistant**

Anisha went on to complete the DVM program at the College of Veterinary Medicine at Texas A&M University.

PROFESSIONAL REFERENCES

Dr. Evelyn Castiglioni, Associate Dean for Undergraduate Programs, Department Head, and Professor

Department of Veterinary Integrative Biosciences, Texas A&M University

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Dr. William J. Murphy, Associate Professor

Department of Veterinary Integrative Biosciences, Texas A&M University

Contact: 979-458-0906; wmurphy@cvm.tamu.edu

Dr. Rodney L. Honeycutt, Professor

Natural Science Division, Pepperdine University

Contact: 310-506-4879, rodney.honeycutt@pepperdine.edu

Dr. Scott Mills, Professor

Department of Forestry and Natural Resources, North Carolina State University

Contact: 406-243-5552; lscott.mills@umontana.edu

Dr. Rodney M. Jackson, Director

Snow Leopard Conservancy

707-935-3851; rodjackson@mountain.org