

CURRICULUM VITAE

Christina Marie Laukaitis, M.D., Ph.D., FACP

Dept. of Medicine, Div. of General Medicine
University of Arizona
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EDUCATION AND TRAINING

08/91-06/95 B.S. Biology, B.S. Chemistry, Honors Program, Butler University, Indianapolis, IN
Honors thesis: "Mouse salivary androgen protein mediates mate selection behavior"
07/95-05/01 Ph.D. Department of Cell and Structural Biology, University of Illinois, Urbana, IL
"Differential dynamics of $\alpha 5$ integrin, paxillin, and α -actinin during formation and
disassembly of adhesions in migrating cells." Advisor: Rick Horwitz
08/99-05/03 M.D. University of Illinois College of Medicine at Urbana-Champaign, Urbana, IL
06/03-07/03 Research and vacation
07/03-06/04 Intern, Internal Medicine Residency Program, St. Vincent Hospital, Indianapolis, IN
07/04-06/06 Resident, Internal Medicine, St. Vincent Hospital, Indianapolis, IN
06/05-07/05 Summer Institute in Statistical Genetics, North Carolina State University, Raleigh, NC
(Basic statistics, Genetic data analysis, Molecular phylogenetics)
09/06-08/08 Fellow, Division of Medical Genetics, University of Washington, Seattle, WA
01/11 Association of Specialty Professors/T. Franklin Williams Scholars Program meeting

MEDICAL LICENSURE

Physician license #40539, State of Arizona

BOARD CERTIFICATIONS

Diplomate, American Board of Internal Medicine (11/2006-11/2016)
Diplomate, American Board of Medical Genetics (10/21/2009-12/31/2019)

PRESENT POSITION

Assistant Professor of Medicine, Tenure Eligible
Division of General Medicine, Department of Medicine
University of Arizona College of Medicine

CHRONOLOGY OF EMPLOYMENT

06/92-08/92 Summer Intern—U.S. Department of Agriculture, Maquoketa, IA
08/92-06/93 Resident Assistant —Office of Student Affairs, Butler University, Indianapolis, IN
2003, 2004 Butler Summer Institute Research Student—Butler University, Indianapolis, IN
08/93-06/94 Staff Assistant —Office of Student Affairs, Butler University, Indianapolis, IN
08/94-06/95 Resident Assistant —Office of Student Affairs, Butler University, Indianapolis, IN
07/95-08/97 Graduate Assistant—Dept. of Cell & Structural Biology, University of Ill., Urbana, IL
08/97-05/98 Teaching Assistant—Intro. to Cell & Molecular Biology, University of Ill., Urbana, IL
05/98-08/00 Graduate Assistant—Dept. of Cell & Structural Biology, University of Ill., Urbana, IL
08/00-05/01 Teaching Assistant— Medical Microbiology & Medical Neuroscience
Laboratories, University of Illinois, Urbana, IL
07/06-08/06 *Locum tenens* physician—Hopi Health Care Center, Polacca, AZ
09/08— Physician—University Physicians Health, Tucson, AZ

09/08-08/10 Assistant Professor, Clinical Medicine, Dept. of Medicine, Univ. of Arizona
09/08— Associate Investigator, Arizona Cancer Center, University of Arizona, Tucson, AZ
03/09— Member, Genetics Graduate Interdisciplinary Training Program, Univ. of Arizona
07/09— Member, Cancer Biology Interdisciplinary Training Program, Univ. of Arizona
09/10— Assistant Professor of Medicine, Tenure Eligible, Dept. of Medicine, Univ. of Arizona
03/10-12/12 Medical Director, University Medical Center Home Health, University of Arizona
07/10-06/13 Clinical Director, Coagulation Clinic, Department of Medicine, University of Arizona
10/10— Program Director, Medical Genetics, Division of GGP, Dept. of Med., Univ. of AZ
10/12— Associate Program Director, Internal Medicine Residency Program, Univ. of Arizona

HONORS AND AWARDS

08/91-06/95 National Science Scholar
Spring 1998 Outstanding Cellular and Molecular Biology Teaching Assistant
Spring 1998 “Teaching Assistants Rated ‘Excellent’ by their Students” list
Fall 2000 “Teaching Assistants Rated ‘Excellent’ by their Students” list
06/2003 AMWA Janet Glasgow Memorial Award, University of Illinois College of Medicine
04/2005 State research poster winner, sponsored presentation at ACP Annual Meeting
06/2006 Resident’s Research Award, St. Vincent Hospital
03/2011 Yellen Distinguished Young Investigator Award, AZ Cancer Center; unrestricted use gift
03/2011 Fellow, American College of Physicians
10/2011 40 under 40, Arizona Star, recognizes young leaders in Tucson based on professional accomplishments, leadership qualities and community impact.

TEACHING ACTIVITIES

Medical School:

2007-2008 Univ. Washington School of Med., Small Group Leader, Medical Genetics Hu. Bio. 554
2009-2012 3 hours (yearly) of lectures to M1 students, Foundations block, “Mendelian Genetics”

Graduate School Courses:

2/19/2009 Lecture to GENE670, “Gene copy number variation in mice and cancer”
3/2/2009 Lecture to CBIO596H, “Gene copy number variation in mice and cancer”
3/10/2010 Lecture to EPI696B, “Copy number variation in the Vitamin D Receptor and CRC candidate risk genes”
Autumn 2012 Course co-coordinator CPH405/505, “Biology in Public Health” for 35 undergraduate
Autumn 2013 and 6 graduate students in the College of Public Health
10/16/2012 Lecture to CBIO552, “Cancer Genetics”
10/24/12 Lecture to GENE670, “Clinical Cancer Genetics Research”
11/1/12 Lecture to PCOL631, “Genetic Testing; Promise and Reality”

Rounds, Resident Education and Continuing Medical Education Presentations:

8/26/2009 Gastrointestinal Division Grand Rounds, “Hereditary Nonpolyposis Colon Cancer Syndrome” University of Arizona, Tucson, AZ
10/2009, 9/2010 Internal Medicine Resident Academic Half-day, “Genetics for the General Internist” University of Arizona, Tucson, AZ
4/7/2010 Medical Staff Education, “Native American Cancer Prevention Goals, Cancer Staging” Hopi Health Care Center, Polacca, AZ,
12/8/2010 Medical Staff Education, “Colon cancer in high-risk populations” Hopi Health Care Center, Polacca, AZ,
12/15/2010 Medicine Staff Management Conference, “Care of the patient at high risk of cancer” Southern Arizona Veterans Administration Health Care Center, Tucson, AZ
2/15/2011 Pulmonology Division Seminar, “Genetics for Pulmonologists” UA, Tucson, AZ

- 5/13/2011 Medical Staff Education, "Lynch syndrome and renal cancer: Not so rare in Native Arizona" Chinle Navajo Health Services Hospital, Chinle, AZ
- 8/5/2011 Medical Staff Education, "Evidence for cancer screening and prevention; Identification of the patient at high-risk for breast cancer" , Tohono O'odham IHS Hospital, San Xavier, AZ
- 12/7/2011 Medical Staff Education, "Identifying and caring for women at high risk of breast cancer" Hopi Health Care Center, Polacca, AZ
- 2/04/2012 Indian Health Service Midwinter Conference on Women's and Children's Healthcare, "Hereditary Cancer Syndromes, Maternal and Pediatric Considerations" Telluride, CO
- 3/3/2012 Medicine Grand Rounds, "Genetics for the General Internist" UA, Tucson, AZ
- 4/10/2013 Medicine Grand Rounds, "Genetic Breast Cancer Syndromes: Cancer is Preventable, but Patients are Under-recognized" UA, Tucson, AZ

Office-based teaching:

- 1/2009-9/2012 Five hours /week supervising M3 students in their ambulatory Internal Medicine Rotation
- 9/2008-6/2009 Five hours /week supervising residents in continuity ambulatory clinics
- 7/2009- 9/2012 Ten hours/week supervising residents in continuity ambulatory clinics
- 1/2011- Five hours/week supervising residents in Adult Genetics clinic
- 9/2012- 15 hours/week supervising residents in continuity ambulatory clinics

Research advising: **first author on peer-reviewed publication*

- Twyla Madisen, Native American Cancer Prevention Program Summer Research Student (Summer 2010)
- Anna Nelson-Moseke, MS, MD*, Obstetrics/Gynecology Resident (July 2010-present; Ob/Gyn Research Day Best project award; manuscript published)
- Katie Caviness, Genetics GIDP rotating graduate student (September-October 2010)
- Bethany Remuniak, Cancer Biology GIDP rotating graduate student (September-October 2010)
- Joseph Nantz, NIH Disadvantaged High School Student Research Program (June-August 2011)
- Aria Altuna, NIH Disadvantaged High School Student Research Program (June-August 2011)
- Adam Knox, Summer High School Rotation student (July-August 2011)
- Karen Haiber, Undergraduate Biology Research student (September 2011-May 2012)
- Justyna Gozdz, Genetics GIDP rotating graduate student (October-December 2011; msrpt in progress)
- Nathan Rial, MD, PhD, MPH, Internal Medicine Resident (January-July 2012)
- Václav Janoušek* Graduate student, Dept. of Zoology, Charles University, Prague, CR (March 2012-present; msrpt published—highly-accessed)
- Amanda Chung, Sophomore Undergraduate student (August 2012-present; abstract accepted, msrpt in progress)
- Keri Maher, MS, MD, Internal Medicine Resident (August 2012-present; Recipient "Resident Research Project of the Year Award, 2013; 3 abstracts accepted)
- Ateefa Chaudhury, MD, Internal Medicine Resident (August 2012-present; 2012 Recipient of \$5000 GME Resident Excellence and Leadership Scholarship; 4 abstracts accepted)
- Richelle Thomas, BS, Discover Summer Program (June-August 2013)
- Katherina Beeler, MD, Internal Medicine Resident (August 2012-present; case report in progress)
- Laila Abu Zaid, MBBS Internal Medicine Resident (August 2012-present; clinical trial co-investigator)

HOSPITAL AND UNIVERSITY COMMITTEE APPOINTMENTS

- Institutional Review Board, St. Vincent Hospital, Indianapolis, IN (2004-2006)
- Biosafety Committee, St. Vincent Hospital, Indianapolis, IN (2005-2006)
- Multidisciplinary Endocrine Tumor Board, University of Arizona Medical Center, Tucson, AZ (2009-)
- Anti-coagulation Oversight Committee, University of Arizona Medical Center, Tucson, AZ (2012-)
- MD/PhD Program Admissions Committee, University of Arizona Medical Center, Tucson, AZ (2013-)

PROFESSIONAL SOCIETIES

- 07/2001- Member, Society for the Study of Evolution
- 06/2003- Member, European Society for Evolutionary Biology
- 12/2006- Member, Genetics Society of America
- 07/2007- Member, American Society for Human Genetics
- 01/2011- Member, International Society for Gastrointestinal Hereditary Tumors (InSiGHT)
- 03/2011- Fellow, American College of Physicians
- 03/2011- Member, Collaborative Group of the Americas on Inherited Colorectal Cancer
- 10/2011- Member, Southwest Oncology Group (SWOG)

EDITORIAL ACTIVITIES

- Invited Reviewer, Cancer Epidemiology, Prevention, and Biomarkers June 2010
- Invited Reviewer, Grant Program of the Czech Science Foundation July 2013

LECTURES AT LOCAL, CHAPTER, NATIONAL, AND INTERNATIONAL MEETINGS

- 05/2003 Seminar, published abstract, 4th European Congress of Mammalogy, „Evolution of the secretoglogins: A new family of mammalian proteins”,Brno, Czech Republic
- 11/2005 Seminar. Department of Zoology, Charles University, “Diverse spatial, temporal, and sexual expression of recently duplicated androgen-binding protein genes in *Mus musculus*”Prague, CR
- 11/2006 Sseminar, Inst.for Vertebrate Biology, Czech Academy of Sciences, “Rapid bursts of *Abp* gene duplication occurred independently in diverse mammals.”Studenec,CR,
- 04/2008 Seminar. Wild Mouse Community Meeting,“Rapid bursts of *Abp* gene duplication in rodents and other mammals”, Ploen, Germany
- 05/25/2009 Lecture, Masyryk University “Expansion of the *Abp* gene family”, Brno, CR
- 02/24/2010 Invited poster, Univ. of Arizona GI SPORE External Advisory Board Retreat, “Copy number variation in candidate genes for colon cancer”, Tucson , AZ
- 02/25/2010 Talk, Univ. of Arizona GI SPORE External Advisory Board Retreat, “Learning about colorectal cancer by studying high risk groups”, Tucson, AZ
- 09/11/2010 Workshop leader, Annual Meeting, Arizona Chapter, American College of Physicians, “Genetic Testing”, Phoenix, AZ
- 06/25/2012 Panel member, Navajo Nation Cancer Conference, Pre-meeting for health care professionals “Clinical Trials of Cancer Prevention”, Window Rock, AZ
- 07/16/2012 Lecture, Pathfinders Summer Institute, Native Research Network “Cancer Basics”, “Cancer Types and Treatments” and “Cancer Prevention”, Seattle, WA
- 11/27/2012 Seminar, Czech Academy of Sciences, “The evolutionary history of three mouse pheromone gene families”, Brno, CR
- 04/07/2013 Lecture, 22nd Annual Southwestern Conference on Medicine, “Genetic Testing for the Primary Care Physician”, Tucson, AZ
- 06/29/2013 Lecture, Pathfinders Summer Institute, “Cancer BASICS”, Tucson, AZ

COMMUNITY ACTIVITIES

Local:

- 9/2006-06/08 Co-leader, Girl Scout Junior Troop 51321, Mill Creek, WA
- 4/14/2009 Public lecture, Flandrau Science Café, U. AZ, “Live smarter: Cancer Genetics and You”
- 07/09&06/13 Jury Duty, Pima County, AZ
- 1/9/2010 Public lecture, Cancer in the Family, “Breast cancer risk assessment & chemoprevention”
- 02&03/2011 Public lectures, AZCC lecture series, “Assessing your cancer risk based on family history”
- 3/5/2012 Public lecture, “Cancer 101” to Tucson Indian Center patrons
- 9/1/2012 Public lecture and panel discussion, “Ovarian cancer screening and prevention” to the Yearly Conference of the National Ovarian Cancer Coalition Tucson Chapter

State:

- 11/2008- Arizona State Genetic Services Advisory Committee (2008-)
09/2010 Judge, American College of Physicians Arizona Chapter Meeting
10/2011 Judge, American College of Physicians Arizona Chapter Meeting
12/8-12/9/2011 Hopi Tribe Community Health Workers, Hopi Cancer Support Services, Kykotsmovi, AZ
“Cancer 101” 8-hour workshop about cancer pathology, risk factors, treatment and support
02/12& 02/13 Volunteer, Friends of Hubbell Rug Auction, Southwest Indian Art Fair, Tucson, AZ
3/5/2012 Public lecture, “Cancer 101”, Tucson Urban Indian Center, Tucson, AZ
6/23/2012 Public lecture, “Cancer basics and prevention”, Navajo Nation Cancer Conference, Window Rock, AZ
09/12 & 05/13 Volunteer, Friends of Hubbell Rug Auction, Hubbell Trading Post, Ganado, AZ
03/14/2013 Public Lecture, Breaking Barriers in Cancer among Native Americans Conference, Partnership for Native American Cancer Prevention, “Colorectal Cancer”, Flagstaff, AZ

National:

- 10/2010- Butler University Young Alumni Board (2010-2011)

BIBLIOGRAPHY (in order by date; most important publications are italicized)

1. **Laukaitis, C. M.**, Critser, E. S. and Karn, R. C. (1997) Salivary androgen-binding protein (ABP) mediates sexual isolation in *Mus Musculus*. *Evolution*.**51**(16): 2000-2005.
2. Knight, B., **Laukaitis, C. M.**, Akhtar, N., Hotchin, N. A., Edlund, M. and Horwitz, A. R. (2000) Visualizing cell migration in situ. *Current Biology*. **10**: 576-585.
3. **Laukaitis, C. M.**, Donais, K., Webb, D. J., and Horwitz, A. F. (2001) *Differential dynamics of $\alpha 5$ integrin, paxillin, and α -actinin during formation and disassembly of adhesions in migrating cells.* *Journal of Cell Biology*. **153**(7):1427-1440.
4. Talley, H. M., **Laukaitis, C. M.**, Karn, R. C. (2001) Female preference for male saliva: Implications for sexual isolation of *Mus musculus* subspecies. *Evolution*. **55**(3): 631-634.
5. **Laukaitis, C.M.**, Dlouhy, S.R., and Karn, R.C. (2003) The mouse salivary androgen-binding protein (ABP) gene cluster on chromosome 7: Characterization and evolutionary relationships. *Mammalian Genome*. **14**:679-691.
6. Karn, R.C. and **Laukaitis, C.M.** (2003) Characterization of two forms of mouse salivary androgen-binding protein (ABP): Implications for evolutionary relationships and ligand-binding function. *Biochemistry*. **42**(23):7162-7170.
7. Emes, R.D., Riley, M.C., **Laukaitis, C.M.**, Goodstadt, L., Karn, R.C., and Ponting, C.P. (2004) Rapid duplication and sequence diversification within the rodent androgen-binding protein (ABP) gene cluster. *Genome Research*. **14**(8):1516-1529.
8. **Laukaitis, C.M.**, Dlouhy, S.R., Emes, R.D., Ponting, C.P., and Karn, R.C. (2005) Diverse spatial, temporal, and sexual expression of recently duplicated androgen-binding protein genes in *Mus musculus*. *BMC Evolutionary Biology*. **5**:40.
9. **Laukaitis, C.M.** and Karn, R.C. (2005) Evolution of the secretoglobins: A genomic and proteomic view. *Biological Journal of the Linnean Society*. **84**:493-501.
10. **Laukaitis, C.M.**, Heger, A., Blakley, T.D., Munclinger, P., Ponting, C.P., and Karn, R.C. (2008) *Rapid bursts of Abp gene duplication occurred independently in diverse mammals.* *BMC Evolutionary Biology*. **8**:46.
11. Karn, R.C. and **Laukaitis, C.M.** (2009) The mechanism of expansion and the volatility it created in three pheromone gene clusters in the mouse genome. *Genome Biology and Evolution*.**2009**:494-503.
12. Karn, R.C., Young, J.M., and **Laukaitis, C.M.** (2010) A candidate *Mus musculus* subspecies discrimination system involving a *VIR* gene with different alleles fixed in *M. m. domesticus* and *M. m. musculus*. *PLOS One*.**5**(9). pii: e12638.

13. VošlajerováBímová, B., Macholán, M., Baird, S.E.B., Munclinger, P., **Laukaitis, C.M.**, Karn, R.C., Luzynski, K., Tucker, P., Piálek, J. (2011) Reinforcement selection acting on the European house mouse hybrid zone. *Molecular Ecology*. 20(11):2403-24.
14. Zhou, X., Wei, Y., Xie, F., **Laukaitis, C.M.**, Karn, R.C., Kluetzman, K., Gu, J., Zhang, Q-Y., Roberts, D.W., and Ding, X.(2011) A Novel Defensive Mechanism against Acetaminophen Toxicity in the Mouse Lateral Nasal Gland: Role of CYP2A5-mediated regulation of testosterone homeostasis and salivary Androgen-binding protein Expression. *Molecular Toxicology*. 79(4):710-23.
15. Karn, R.C. and **Laukaitis, C.M.** (2011) Positive selection shaped the convergent evolution of independently expanded kallikrein subfamilies expressed in mouse and rat saliva proteomes. *PLoS One*. 6(6):e20979.
16. Karn, R.C., Mauss, C. and **Laukaitis, C.M.** (2012) Congenic strain analysis reveals genes that are rapidly evolving components of a prezygotic isolation mediating incipient reinforcement. *PLoS One*. 7(4):e35898.
17. Karn R.C., **Laukaitis C.M.**(2012) The roles of gene duplication, gene conversion and positive selection in rodent *Esp* and *Mup* pheromone gene families with comparison to the *Abp* family. *PLoS One*.7(10):e47697.
18. Nelson-Moseke, A.C*, Jeter, J.M., Cui, A., Roe, D.J., Chambers, S.K., and **Laukaitis, C.M.** (2013) *An Unusual BRCA Mutation Distribution in a High Risk Cancer Genetics Clinic. Familial Cancer*.12(1):83-87. *Mentored resident is primary author
19. Janoušek V.*, Karn R.C., **Laukaitis C.M.** (2013) *The role of retrotransposons in gene family expansions: insights from the mouse Abp gene family. BMC Evol Biol*. 13:107. PMID: 23718880. *Mentored graduate student is primary author

Reviews (Peer-reviewed prior to publication)

1. **Laukaitis, C.M.** and Gerner, E.W. (2011) *DFMO: Targeted Risk Reduction Therapy. Best Practice and Research: Clinical Gastroenterology* 25(4-5):495-506.
2. **Laukaitis, C.M.** (2012) *Genetics for the General Internist. American Journal of Medicine* 125(1):7-13.
3. **Laukaitis, C.M.**, Erdman, S.H. and Gerner, E.W. (2012) *Chemoprevention in patients with genetic risk of colorectal cancers. Colorectal Cancer* 1(3):241-256.

Chapters in Scholarly Books

1. Lazarowitz, S.G., Ward, B.M., Sanderfoot, A.A., and **Laukaitis, C.M.** (1997) "Intercellular and intracellular trafficking: What we can learn from Geminivirus movement" in Cellular Integration of Signalling Pathways in Plant Development. NATO ASI Series. Series H: Cell Biology, Vol. 104, Springer-Verlag, Berlin, Germany.
2. **Laukaitis, C.M.**, and Karn, R.C. (2012) "Recognition of subspecies status in the evolution of incipient reinforcement on the European house mouse hybrid zone" in Evolution of the House Mouse(Eds. M. Macholán et al.), Cambridge University Press, Cambridge, UK.
3. Thompson, P.A., Stopeck, A. and **Laukaitis, C.M.** (2013) "Breast cancer prevention" in Fundamentals of Cancer Prevention, Ed. 3 (Eds. D. Alberts and L. Hess), Springer-Verlag, Berlin, Germany

Abstracts

1. **Laukaitis, C.M.**, Karn, R.C. Where and when are *Abp*-like gene copies expressed? Abstract selected for poster presentation. American College of Physicians Annual Session, San Francisco, CA, 05/2005.
2. **Laukaitis, C.M.**, Dlouhy, S.R., Emes, R.D., Ponting, C.P., and Karn, R.C. Diverse spatial, temporal, and sexual expression of recently duplicated androgen-binding protein genes in *Mus musculus*. Submitted abstract and poster presentation for the European Society for Evolutionary Biology 10th Congress, Krakow, Poland, 08/2005.

3. Bímová, B., Macholán, M., Munclinger, P., **Laukaitis, C.M.**, Karn, R.C., Pialek J. The test of behavioral isolation on the mouse hybrid zone: the comparison of behavioral and molecular cline.
4. Submitted abstract and poster presentation for the European Society for Evolutionary Biology 10th Congress, Krakow, Poland, 08/2005.
5. Karn R.C., **Laukaitis C.M.**, Munclinger P. The evolutionary history of a gene involved in adaptive evolution. Submitted abstract and poster presentation for the European Society for Evolutionary Biology 10th Congress, Krakow, Poland, 08/2005.
6. **Laukaitis, C.M.** Rapid bursts of *Abp* gene duplication occurred independently in diverse mammals. Submitted abstract and seminar. Northwest Genetics Exchange, Vancouver, BC, 04/2007.
7. Bímová, B., Macholán, M., Munclinger, P., **Laukaitis, C. M.**, Karn, R. C., Tucker, P., Piálek, J., Behavioral isolation in the house mouse hybrid zone. Oral presentation by BB and abstract. 11th International Conference on Rodent Biology „Rodens et Spatium“, Myshkin, Russia, 07/2009.
8. **Laukaitis, C.M.** and Karn, R.C. Rapid bursts of *Abp* gene duplication in rodents and other mammals. Invited seminar. Department of Zoology, Masaryk University, Brno, CR, 05/2009
9. Bímová, B., Macholán, M., Munclinger, P., **Laukaitis, C.M.**, Karn, R.C., Baird, S.J.E., Piálek, J. Behavioural isolation in the house mouse hybrid zone. Poster by MM and abstract. 12th Congress of European Society for Evolutionary Biology, Turin, Italy, 08/2009.
10. **Laukaitis, C.M.** and Thompson, P. Detecting Copy Number Variation in Candidate Genes for Colorectal Cancer Risk. Invited poster and abstract. NCI Translational Science Meeting, Vienna, VA, 11/2009.
11. Karn, R.C. and **Laukaitis, C.M.** A candidate subspecies discrimination system involving a vomeronasal receptor gene with different alleles fixed in *M. m. domesticus* and *M. m. musculus*. Beyond the Genome: The human gene count, human evolution and disease genomics. Boston, MA, 10/2010.
12. **Laukaitis, C.M.**, Thompson, P., Martinez, M-E., and Gerner, E.W. Identifying gene copy number variants associated with colorectal adenoma recurrence. Beyond the Genome: The human gene count, human evolution and disease genomics. Boston, MA, 10/2010.
13. **Laukaitis C.M.** and Fuentes-Mauss, C. Does germline variation in the number of Glutathione S-transferase gene copies affect the risk of metachronous colorectal neoplasia? International Congress of Human Genetics. Montreal, CA 10/2011
14. *Nelson-Moseke, A.C*, Jeter, J.M., Cui, A., Roe, D.J., Chambers, S.K., and **Laukaitis, C.M.** An Unusual BRCA Mutation Distribution in a High Risk Cancer Genetics Clinic. American Society of Human Genetics. San Francisco, CA 11/2012
15. Corina Mauss, Patricia Thompson, Francisco Garcia, Ana Maria Lopez, **Christina Laukaitis**. Prevalence of Genetic Mutations in Mexican and Mexican-American Women with Breast Cancer. American College of Medical Genetics Annual Meeting, Phoenix, AZ 03/2013
16. *Ateefa Chaudhury*, Corina Mauss, Joanne Jeter, **Christina Laukaitis**. Understanding Genetic Polymorphisms and Susceptibility in High Risk Breast Cancer. American College of Medical Genetics Annual Meeting, Phoenix, AZ 03/2013
17. *Keri Maher*, Sarah-Jane Walton, Corina Mauss, Sue Clark and **Laukaitis, C.M.** Seeking genes that predict desmoid formation in patients with familial adenomatous polyposis American College of Medical Genetics Annual Meeting, Phoenix, AZ 03/2013
18. Amanda Chung, Corina Mauss, Robert Karn and **Laukaitis, C.M.** Expression of Androgen-binding protein genes (*Abp*) in lacrimal glands and tear secretions. American College of Medical Genetics, Annual Meeting, Phoenix, AZ 03/2013
19. **Laukaitis, C.M.**, *Keri Maher*, Sarah-Jane Walton, Corina Mauss, Sue Clark: Seeking genes that predict desmoid formation in patients with familial adenomatous polyposis. International Society for Inherited Gastrointestinal Tumors Semi-annual Meeting, Cairns, Australia 08/2013
20. **C.M. Laukaitis**, *A. Chaudhury*, C. Mauss, T. Walsh, P. Thompson, A-M Lopez, A. Daneri Navarro, M-C King. Genomic evaluation of inherited predisposition to breast cancer among women of Mexican ancestry. American Society of Human Genetics Annual Meeting, Boston, MA 10/2013

Grants

Current:

U54 CA143924-01 Alberts&Huenneke (PIs) 9/28/2009-8/31/2014
NIH/NCI

Partnership in Native American Cancer Prevention

Role: Medical Education Director for Community Outreach Program

The goal of this project is to partner with tribal communities to develop sustainable community education programs and research for cancer prevention that address the unique needs and stages of readiness in three tribal communities (Hopi Tribe, Navajo Nation, and Tohono O'odham Nation).

IRG-74-0013 Laukaitis (PI) 7/1/2012-6/30/2013

American Cancer Society Institutional Research Grant

DNA repair gene mutations in women of Mexican ancestry with breast cancer.

The *ELLA* Study has created a unique database of women from an underserved and understudied population who have been affected by breast cancer. We will use these data to develop a baseline of mutation prevalence from which to start studying inherited breast cancer in other Hispanic populations.

Phi Beta Psi Sorority Cancer Research Grant Laukaitis (PI) 8/1/2012-7/31/2013

Phi Beta Psi charity Trust

Detecting inherited DNA-repair mutations in women with strong family histories of breast cancer.

This proposal supports translational studies looking for inherited genetic variation in breast-cancer risk genes to explain elevated familial breast cancer risk in the absence of *BRCA1* or *BRCA2* gene mutations. This work funds a preliminary study genotyping women from the UA Cancer Genetics Clinic who have not been affected by cancer, but who are at high-risk based on their family history.

Komen small research grants Ray (PI) 6/1/2012-5/30/2013

Susan B. Komen Foundation

Screening for BRCA1/2 mutations and education of associated cancer risks to the underserved urban, rural and Latina populations at high risk for hereditary breast cancer in Arizona via tele-genetic counseling.

Role: Co-Investigator

The major goal of this project is to measure the feasibility and reaction to providing genetic counseling and testing to underserved populations using modalities such as telemedicine.

P50 CA950060 Gerner (PI) Bridge Funding 2012-13
NIH/NCI

Specialized Program of Research Excellence in GI Cancer

Developing medical treatments for FAP

Role: Project 4 Co-Investigator

The long-term objective of our SPORE in GI Cancers is to decrease mortality due to GI Cancers by developing novel approaches for risk assessment, screening, chemoprevention and therapeutics. This project studies medication regimens to delay surgery and prevent cancer in people with FAP, an inherited cancer syndrome.

Applications pending:

Administrative Supplement Laukaitis & Danero (Co-PIs) 11/2013-10/2014

NIH/NCI

Inherited predisposition to cancer in Mexican women: Developing capacity for evaluation and management services

Role: PI

Letters of Reference (available on request):

Rick Horwitz, PhD
University of Virginia
Charlottesville, VA

Michael Nachman, PhD
University of Arizona
Tucson, AZ

Chris Ponting, PhD
Oxford University
Oxford, UK

Robert Lubitz, MD
St. Vincent Hospital
Indianapolis, IN

Peter Byers, MD
University of Washington
Seattle, WA

Collaborators within the past 5 years:

Stuart Baird
Barbora Bimova Voslajerova
Xinxin Ding
Setsuko Chambers
Sue Clark
Steve Dlouhy
Steve Erdman
Francisco Garcia
Eugene Gerner
Andreas Heger
Vaclav Janousek
Joanne Jeter
Robert Karn
Milos Macholan
Corina Mauss
Pavel Munclinger
Anna Nelson-Moseke
Jaroslav Pialek
Patricia Thompson
Denise Roe
Jessica Ray
Sarah-Jane Walton
Janet Young

This is a true and accurate statement of my activities and accomplishments. I understand that misrepresentation in securing promotion and tenure may lead to dismissal or suspension under ABOR Policy 6-201 J.1.b.