# Beth L. Dumont, Ph.D.

#### Curriculum Vitae

Assistant Professor The Jackson Laboratory 600 Main Street Bar Harbor, ME 04609

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2017-2021

# **EDUCATION**

University of WisconsinMadison, WIPh.D., Laboratory of Genetics2005-2010

**Cornell University**BA, Summa Cum Laude, Biology and Anthropology

1thaca, NY
2001-2005

# **ACADEMIC APPOINTMENTS**

# **Primary**

**The Jackson Laboratory**Assistant Professor

Bar Harbor, ME
Oct 2016 - current

North Carolina State University, Dept. of Biological Sciences

Distinguished Postdoctoral Research Fellow

Raleigh, NC

Mar 2013-July 2016

**University of Washington, Dept. of Genome Sciences**Seattle, WA
Senior Research Fellow in the Laboratory of Dr. Evan Eichler
Dec 2010-Dec 2012

# Secondary

Tufts UniversityBoston, MAAssistant Professor, Graduate School of Biomedical Sciences2017-currentMember, Genetics Graduate Program2019-current

University of Maine

Adjunct Assistant Professor, Graduate School of Biomedical Science and Engineering 2017-current

#### LEADERSHIP AND SERVICE

# The Jackson Laboratory

Education Training Committee JAX-Track Tufts PhD Program, Student Advisor JAX Scholar Selection Committee, ad hoc member	2022-current 2021-current 2022			
Scientific Advisory Committee	2019-2020; 2022-2023			
Faculty Member	2019; 2022-2023			
Bar Harbor Committee Co-chair	2020			
Genetic Diversity Initiative, Working Group Member	2020-current			
JAX Student Scientific Symposium				
Organizing Committee Member	2017-2018, 2020			
Organizing Committee Co-chair	2019			

JAX-Track Tufts PhD Program, Admissions Committee Member

	JAX-Track University of Maine Graduate Program in Biomedical Science and Engineering, Admissions Committee Member Bar Harbor Childcare Committee Member Research Grants Committee, ad hoc reviewer Faculty Candidate Triage Committee	and 2021-current 2019-current 2020-current 2018-2020
Tui	fts University	
	Tufts Graduate School of Biomedical Sciences Awards Committee	2019-2022
>rc	ofessional	
	Secretariat Member, The International Mammalian Genome Society	2022-2024
	Nominations and Elections Committee Member The International Mammalian Genome Society	2019-2020
	Symposium Co-organizer  • Society for the Study of Evolution, Annual Meeting, Montpellier, France	2018
	<ul> <li>Review Panels</li> <li>National Institute of Child Health and Development, Cellular, Molecular, and Inte Reproduction Study Section, standing member</li> <li>National Institute of Child Health and Development, Cellular, Molecular, and Inte Reproduction Study Section, ad hoc member</li> <li>National Science Foundation, Division of Environmental Biology, Evolutionary Pr Cluster</li> <li>National Institute of General Medical Sciences, MOSAIC Pathway to Independer (K99/R00), ad hoc member</li> <li>National Institute of General Medical Sciences, Pathway to Independence Award Special Emphasis Panel, ad hoc member</li> <li>National Science Foundation, Graduate Research Fellowship Program, Genetics Proteomics Panel</li> </ul> Strategic Planning Workshops and Council Meetings	2022-2025 grative 2021 rocesses 2021 nce Award 2020 d (K99/R00), 2019 s and 2016
	<ul> <li>National Institutes of General Medical Sciences Council meeting, ad hoc advisor</li> <li>Perspectives in Comparative Genomics and Evolution, National Human Genome Institute</li> </ul>	
	<ul> <li>Ad hoc Grant Reviewer</li> <li>National Science Foundation</li> <li>Israeli Science Foundation</li> </ul>	2015-current 2010
	Ad hoc Manuscript Reviewer  Science, Nature, Genome Research, Current Biology, Genome Biology, PLoS of American Journal of Human Genetics, Molecular Biology and Evolution, Genetic Philosophical Transactions of the Royal Society B, Proceedings of the Royal Society B, Proceedings of the Royal Society B, Proceedings of the Royal Society Condon, PLoS ONE, Proceedings of the National Academy of Sciences, Genomand Evolution, BMC Biology, BMC Genomics, BMC Evolutionary Biology, Journ Chromosoma, G3: Genes Genomes & Genetics, Genes, Royal Society Open S	cs, Evolution, ociety of ne Biology nal of Heredity,

# **Professional Society Member**

Scientific Reports

• Society for the Study of Evolution

2006-current

Society for Molecular Biology and Evolution

American Genetic Association
 American Society for Human Genetics
 International Mammalian Genome Society
 2017-current
 2018-current

#### **TEACHING**

#### The McKusick Short Course, The Jackson Laboratory

Instructor, Genetic Recombination and Mutation

2021

## Mammalian Genetics (GENE 205), Tufts University

Instructor, Recombination and Mutation Module
 Co-director
 Instructor, Chromosome Evolution Module
 Instructor, Sex chromosomes Module
 Fall 2017

Course Instructor, Creative Retirement Institute, Edmonds Community College 2012

Recent Headlines in Genetics Research

# **MENTORING**

#### **Postdoctoral Scholars**

Dr. Lydia Wooldridge
 Supported by a Lalor Fellowship
 Dr. Raman Akinyanju Lawal
 Supported by a JAX Scholar Award
 Current: Computational Scientist, The Jackson Laboratory
 July 2020-current
 Dec 2018-July 2022
 2020-2022

#### **PhD Students**

Alexis Garretson, Tufts University
 Supported by an NSF Predoctoral Fellowship
 Recipient of a SIGHPC Fellowship
 Supported by a Tufts Dean's Award Fellowship
 Uma Arora, Tufts University
 Supported by a T32 Training Grant in Development Genetics
 Supported by a F31 Training Award from NCI (scored 5<sup>th</sup> percentile)
 May 2021-current
 2022-current
 2022-2023
 May 2018-current
 2020-2021
 2020-2021
 2021-2022

#### **PhD Rotation Students**

Jaycee Choi, Tufts University
 Alexis Garretson, Tufts University
 Madison Armstrong, Tufts University
 Luke Parsley, Tufts University
 Uma Arora, Tufts University
 Winter 2018

#### Visiting PhD Students

Pavla Klusáčková, Masaryk University, PhD Candidate in Zoology
 Fall 2021

#### **Masters Students**

Brett Haines, University of Maine, Professional Science Masters in Bioinformatics
 2020

#### **Postbaccalaureate Students**

• Kimberly Heath
Supported by NIH Diversity Supplement (GM133415-04S1)

August 2021-current

#### **JAX Summer Student Program Mentor**

Sirohi Kumar
 Summer 2022

2022 recipient of US Presidential Scholar Award

Clare Mulcahy
 Summer 2022

Gabriel McMillen
 Summer 2021

Current: undergraduate student in the Doris Duke Program at University of Washington

Carleigh Charlebois
 Summer 2019

2020 Recipient of a Barry Goldwater Scholarship for her SSP work

Shaheer Rizwan
 Summer 2019

Current: Medical student, Robert Wood Johnson Medical School

Francesca Barradale
 Summer 2017
 Current: PhD candidate in the Molecules, Cells, and Organisms Doctoral Program at Harvard University

# College of the Atlantic Academic Year Intern

Aya Kumagai
 Fall 2019-Spring 2020

#### **High School Academic Year Interns**

Peyton DiSiena, Somers High School, Amawalk, NY
 Maria Wagenknecht, Ellsworth High School
 2018-2019

#### **PhD Thesis Committees**

- Rose Besen-McNally, UMaine (PhD Advisor: Ewelina Bolcun-Filas)
- Haley Fortin, Tufts University (PhD Advisor: Christopher Baker)
- Nicholas Tolman, Tufts University (PhD Advisor: Simon John)
- Avery Davis Bell, Harvard University (PhD Advisor: Steve McCarroll)

#### **Postdoctoral Trainee Committees**

 Price Dickson, The Jackson Laboratory (Advisor: Elissa Chesler; Current: Marshall University)

# **Undergraduate Research Mentor**

Dana Truempy, North Carolina State University
 Wesley Sayres, North Carolina State University
 Erin O'Flanagan, University of Wisconsin
 Maxine Lam, University of Wisconsin
 2008-2009

#### **Tufts Undergraduate Biology Adjacent Research Program**

• Sam Littman 2021-2022

# **OUTREACH AND PUBLIC EDUCATION**

**Microbiology Volunteer Instructor,** Connors Emerson School, 2<sup>nd</sup> Grade 2022

#### **JAX High School Open House**

Host a Lunch & Learn Table
 Speaker in Plenary Symposium
 May 2018

Maine State Science Fair, Solve It! Symposium Speaker, Thomas College, Waterville, ME

The Origins of Genetic Diversity

March 2018

Maine Science Festival, Five-minute Genius Symposium, Bangor, Maine

Exploiting Nature's Exceptions as Models of Human Health and Disease March 2018

October 2008

## Public outreach lecture, University of Wisconsin

Genetic Recombination, Meiosis, and Aneuploidy

#### MEDIA COVERAGE AND INTERVIEWS

**Quoted Scientist,** Proceedings of the National Academy of Sciences, News Feature, vol. 115:3196-3199.

What happens when lab animals go wild. By Carolyn Beans

March 2018

# **HONORS AND AWARDS**

# Inaugural Recipient of the Mary Lyon Award

2018

From The International Mammalian Genome Society

# NIGMS K99/R00 Pathway to Independence Award Recipient

2014-2019

#### **Conference Travel Awards**

•	The Allied Genetics Conference, The Genetics Society of America, Washington, DC	2020
•	The Allied Genetics Conference, The Genetics Society of America, Orlando, FL	2016
•	Meeting of the Society for Molecular Biology and Evolution, Chicago, IL	2013
•	Annual President's Symposium for the American Genetics Association, Iowa City, IA	2009

#### **NSF Predoctoral Fellowship**

2007-2010

Phi Beta Kappa 2005-current

# **The Jackson Laboratory Summer Student Program**

2002

Mentored by Dr. Malcolm Lyons in Dr. Beverly Paigen's Laboratory

**Cornell University Dean's List, all semesters** 

2001-2005

# **CURRENT RESEARCH SUPPORT**

# R35 Maximizing Investigators' Research Award

Aug 2019-July 2024

National Institute of General Medical Sciences, National Institutes of Health Evolutionary Genomics of Functional Chromatin Domains

Role: PI

Estimated Total Award Amount: \$2,125,000 (\$1,250,000 direct)

#### Faculty Early Career Development Program (CAREER)

Mar 2020-Feb 2024

National Science Foundation, Division of Environment Biology, Evolutionary Processes Cluster CAREER: Evolution and Genetic Control of Variation in Meiotic Recombination

Role: PI

Estimated Total Award Amount: \$1,367,952 (\$855,697 direct)

#### COMPLETED RESEARCH SUPPORT AND FELLOWSHIPS

## The Jackson Laboratory Director's Innovation Fund

2018-2022

Into the Wild: Selecting Founder Strains for the Next Generation of JAX Diversity Resources Role: Pl

Estimated Total Award Amount: \$376,804

#### K99/R00 Pathway to Independence Award

2014-2019

National Institute of General Medical Sciences, National Institutes of Health

Mechanisms of Recurrent, Parallel Loss of X/Y Pairing and Recombination at Meiosis in Voles

Total Award Amount: \$910,556 (\$164,395 awarded in K99-phase)

# University of Washington Genome Sciences Training Grant Postdoctoral Fellowship National Human Genome Research Institute, National Institutes of Health 2011-2012

**Doctoral Dissertation Improvement Grant, Co-PI** 

2009-2010

National Science Foundation

DEB 0909779

The Genetic Basis of Recombination Rate Variation in House Mice

Total Award Amount: \$15,000

# **Graduate Research Fellowship**

2007-2010

National Science Foundation

University of Wisconsin Genome Science Training Program Pre-doctoral Fellowship National Human Genome Research Institute, National Institutes of Health (declined) 2007

# **PUBLICATIONS** (h-index=17; 1,685 citations)

#### In advance-stage preparation

- 1. Blanco-Berdugo L, **Dumont BL**. Increased rates of genome instability in house mice born using assisted reproductive technologies. Planned submission to *PNAS*.
- 2. Garretson A, **Dumont BL**. Fitness effects of breeding strategy in house mice are highly heritable and variable across genetic backgrounds. Planned submission to *Nature Communications*.
- 3. Garretson A, **Dumont BL**, Handel MA. Genetics of Mammalian Gametogenesis: Implications for Human Fertility and Infertility. Invited review to *Development*.

#### Submitted and preprints

 Arora UP, Sullivan B, **Dumont BL**. Strain level centromere variation influences CENP-A association dynamics and centromere function. BioRxiv: 2022.05.17.492352; doi: https://doi.org/10.1101/2022.05.17.492352

Rejected after external review at *Genome Research* Currently revising for resubmission to *Cell Genomics* 

 Ashbrook DG, Sasani T, Maksimov M, Gunturkun MH, Ma N, Villani F, Ren Y, Rothschild D, Chen H, Lu L, Colonna V, **Dumont BL**, Harris K, Gymrek M, Pritchard JK, Palmer AA, Williams RW. Private and sub-family specific mutations of founder haplotypes in the BXD family reveal consequences relevant to health and disease. BioRxiv: 2022.04.21.489063; doi: https://doi.org/10.1101/2022.04.21.489063

Under review at Cell Genomics

- 3. Wooldridge L, **Dumont BL**. Rapid turnover of the fine-scale recombination landscape in wild house mice. BioRxiv: 2022.06.08.495013; doi: <a href="https://doi.org/10.1101/2022.06.08.495013">https://doi.org/10.1101/2022.06.08.495013</a> Under review at *Molecular Biology and Evolution*
- Lawal RA, Mathis VL, Barter ME, Charette JR, Garretson A, **Dumont BL**. Taxonomic assessment of two wild house mouse subspecies using whole-genome sequencing. BioRxiv: 2022.06.28.497812; doi: <a href="https://doi.org/10.1101/2022.06.28.497812">https://doi.org/10.1101/2022.06.28.497812</a>
   Under review at *Scientific Reports*

# *In print*

- 1. Arora UP, **Dumont BL**. (2022) Meiotic drive in house mice: Mechanisms, consequences, and insights for human biology. Chromosome Research. https://doi.org/10.1007/s10577-022-09697-2.
- 2. Lawal RA, Arora UP, **Dumont BL.** (2021) Selection shapes the landscape of functional variation in wild house mice. *BMC Biology* 19:239.
- 3. Haines BA, Barradale F, **Dumont BL**. (2021) Patterns and mechanisms of sex ratio distortion in the Collaborative Cross Mapping Population. Genetics 219: iyab136.

# **PUBLICATIONS** (cont.)

- 4. Arora U, Charlebois C, Lawal RA, **Dumont BL**. (2021) Population and species diversity at mouse centromere satellites. BMC Genomics 22: 279.
- 5. Powers NR, **Dumont BL**, Emori C, Lawal RA, Brunton C, Paigen K, Handel MA, Bolcun-Filas E, Petkov PM, Bhattacharyya T. (2020) Sexual dimorphism in the meiotic requirement for PRDM9: a mammalian evolutionary safeguard. Science Advances 6: eabb6606.
- 6. **Dumont BL.** (2020) Is recombination rate variation adaptive? Curr Biol **30**: PR351-R353.
- 7. Branca JA, Low BE, Saxl RL, Sargent JK, Doty RA, Wiles MV, **Dumont BL**, Hasham MG. (2020) Loss of TRP53 (p53) accelerates tumorigeneiss and changes the tumor spectrum of SJL/J mice. Genes Cancer **11**:83-94.
- 8. Wang R, **Dumont BL**, Jing P, Payseur BA. (2019) A first genetic portrait of synaptonemal complex evolution. *PLoS Genetics* **15**: e1008337.
- 9. Moskowitz J, Tracey L, Widmayer S, **Dumont BL**. (2019) Meeting report: 32<sup>nd</sup> International Mammalian Genome Conference. Mamm Genome **30**:43-53.
- Maggiolini FAM, Manganelli M, D'Addabbo P, Cantsilieris S, **Dumont BL**, et al. (2019) Genomic inversions and GOLGA core duplicons underlie disease instability at the 15q25 locus. PLoS Genetics 15: e1008075.
- 11. **Dumont BL.** (2019) Significant strain variation in the mutation spectrum of inbred laboratory mice. Mol Biol Evol **36**:865-874.
- 12. **Dumont BL,** Williams CL, Ng BL, Horncastle V, Chambers CL, McGraw LA, Adams D, Mackay TFC, Breen M. (2018) Relationship between sequence homology, genome architecture, and meiotic behavior of the sex chromosomes in North American voles. Genetics **210**: 83-97.
- 13. **Dumont BL.** (2017) X-Chromosome control of genome-scale recombination rates in house mice. Genetics **205**: 1649-1656.
- 14. **Dumont BL.** (2017) Meiotic consequences of genetic divergence across the murine pseudoautosomal region. Genetics **205**: 1089-1100.
- 15. **Dumont BL.** (2017) Variation and evolution of the meiotic requirement for crossing over in mammals. Genetics **205**:155-168.
- Roberts NB, Juntti SA, Coyle KP, **Dumont BL**, Stanley MK, Ryan AQ, Fernald RD, Roberts RB. (2016) Polygenic sex determination in the cichlid fish *Astatotilapia burtoni*. BMC Genomics 17:835.
- 17. **Dumont BL**, Devlin AA, Truempy DM, Miller JC, Singh ND. (2015) No evidence that infection alters global recombination rate in house mice. PLoS ONE **10**: e0142266.
- 18. **Dumont BL**. (2015) Interlocus gene conversion explains at least 2.7% of single nucleotide variants in human segmental duplications. BMC Genomics **16**: 456.
- 19. **Dumont BL**, Eichler EE. (2013) Signals of historical interlocus recombination in human segmental duplications. PLoS ONE **8**: e75949.
- 20. Campbell CD, Chong JX, Malig M, Ko A, **Dumont BL**, Han L, Vives L, O'Roak B, Sudmant P, Abney M, Ober C, Eichler EE. (2012) Estimating human mutation rate using autozygosity in a founder population. Nat Genet **44**:1277-1281.
- 21. White MA, Stubbings M, **Dumont BL**, Payseur BA. (2012) Genetics and evolution of hybrid male sterility in house mice. Genetics **191**:917-934.
- 22. Borodin PM, Basheva EA, Torgasheva AA, Dashkevich OA, Golenishchev FN, Kartavtseva IV, Mekada K, **Dumont BL**. (2012) Multiple independent evolutionary losses of XY pairing at meiosis in the grey voles. Chromosome Res. **20**:259-268.
- 23. **Dumont BL**, Payseur BA. (2011) Genetic analysis of genome-scale recombination rate in house mice. PLoS Genetics **7**(6): e1002116.

# **PUBLICATIONS** (cont.)

- 24. **Dumont BL**, Payseur BA. (2011) Evolution of the genomic recombination rate in murid rodents. Genetics **187**:643-657.
- 25. **Dumont BL**, White MA, Steffy B, Wiltshire T, Payseur BA. (2011) Extensive recombination rate variation in the house mouse species complex inferred from genetic linkage maps. Genome Res. **21**:114-125.
- 26. Wong AK, Ruhe AL, **Dumont BL**, Robertson KR, Guerrero G, Shull SM, Ziegle JS, Millon LV, Broman KW, Payseur BA, Neff MW. (2010) A comprehensive linkage map of the dog genome. Genetics **184**:595-605.
- 27. Cox A, Ackert-Bicknell C, **Dumont BL**, Ding Y, Bell, JT, Brockmann GA, Wergedal JE, Bult C, Paigen B, Flint J, Tsaih S-W, Churchill GA, Broman KW. (2009) A new standard genetic map for the laboratory mouse. Genetics **182**: 1335-1344.
- 28. **Dumont BL**, Broman KW, Payseur BA. (2009) Variation in genomic recombination rates among heterogeneous stock mice. Genetics **182**: 1345-1349.
- 29. **Dumont BL**, Payseur BA. (2008) Evolution of the genomic rate of recombination in mammals. Evolution **62**: 276-294.
- 30. Fiumera AC, **Dumont BL**, Clark AG. (2007) Associations between sperm competition and natural variation in male reproductive genes on the third chromosome of *Drosophila melanogaster*. Genetics **176**: 1245-1260.
- 31. Fiumera AC, **Dumont BL**, Clark AG. (2006) Natural variation in male-induced 'cost-of- mating' and allele-specific association with male reproductive genes in *Drosophila melanogaster*. Phil. Trans. R. Soc. B **361**: 355-361.
- 32. Fiumera AC, **Dumont BL**, Clark AG. (2005) Sperm competitive ability in *Drosophila melanogaster* associated with variation in male reproductive proteins. Genetics **169**: 243-257.

#### **PRESENTATIONS**

#### **Invited Seminars**

Sex-specific Evolution of the Meiotic Recombination Rate. Invited seminar to the virtual MAYosis Meeting. 2021.

Patterns and Mechanisms of Sex Ratio Distortion in the Collaborative Cross. Invited seminar to the Department of Biology, Bates College, Lewiston, ME, 2020.

Patterns and Mechanisms of Sex Ratio Distortion in the Collaborative Cross. The 33<sup>th</sup> International Mammalian Genome Conference, Institute of Genetics and Molecular and Cellular Biology, Strasbourg, France, 2019.

Decoding the Genomic Landscape of de novo Mutations. Invited seminar to Strategic Planning Workshop hosted by the National Human Genome Research Institute, National Institute of Food and Agriculture, and the National Science Foundation: Perspectives in Comparative Genomics and Evolution, Bethesda, MD, 2019.

Variation and Genetic Control of Mutation in House Mice. Invited seminar to the Genetics Program, Sackler School of Graduate Biomedical Sciences, Tufts University, Boston, MA, 2019.

Evolution and Function of the Mammalian Pseudoautosomal Region. The 32<sup>th</sup> International Mammalian Genome Conference, Mary Lyon Awardee Lecture, Wyndham Grand, Rio Mar, Puerto Rico, 2018.

Variation and Genetic Control of Mammalian Mutation. Invited seminar to the Genetics Department, University of Georgia, Athens, GA, 2018.

Genetic Control of Genome-Scale Recombination Rates in House Mice. Invited seminar in the Reproduction Seminar Series at Cornell University, Ithaca, NY, 2017.

Evolution and Meiotic Function of the Mammalian Pseudoautosomal Region. The First Annual Jackson Laboratory Scientific Symposium. The Jackson Laboratory, Bar Harbor, Maine, 2017.

Evolution and Meiotic Function of the Mammalian Pseudoautosomal Region. 44<sup>th</sup> Maine Biological and Medical Sciences Symposium, Mount Desert Island Biological Laboratory, Bar Harbor, Maine, 2017.

X-Chromosome Control of Global Crossover Rates in House Mice. Invited seminar to the Mount Desert Island Biological Laboratory, Bar Harbor, Maine, 2017.

Meiotic Function and Evolution of Mammalian Pseudoautosomal Regions. Invited seminar to the Evening Evolution Group, New York University, 2015.

Gene Conversion and DNA Diversity across Duplications in the Human Genome. Invited seminar to the Department of Biology, University of North Carolina Greensboro, North Carolina, 2015.

# Contributed Presentations

Patterns and Mechanisms of Sex Ratio Distortion in the Collaborative Cross. The 33<sup>th</sup> International Mammalian Genome Conference, Institute of Genetics, Molecular and Cellular Biology, Strasbourg, France, 2019.

Variation and Genetic Control of the Mutation Spectrum in House Mice. Mutation Rate Evolution Meeting, Arizona State University, Tempe, Arizona, 2018.

Variation and Genetic Control of the Mutation Rate Spectrum in House Mice. Annual Meeting of the Complex Trait Consortium, University of Memphis, Memphis, Tennessee, 2017.

X Chromosome Control of Global Crossover Rates in Male and Female House Mice. Genetics Society of America. The Allied Genetics Conference: Marriott World Center, Orlando, FL, 2016.

Defying the Meiotic Paradigm: sex chromosome pairing, recombination and segregation in mammals. American Genetics Association Annual Symposium. Chromosome Evolution: Islandwood Conference Center, Bainbridge Island, Washington, 2015.

Testing the Meiotic Requirement for Crossing-over. Annual Meeting of the Society for the Study of Evolution. Raleigh Convention Center, Raleigh, North Carolina, 2014.

Gene Conversion and DNA Diversity across Segmental Duplications in the Human Genome. Annual Meeting of the Society for Molecular Biology and Evolution. Chicago, Illinois, 2013.

A Next-Generation Recombination Map of the Human Genome. American Genetics Association Annual Symposium. Recombination: Molecular mechanisms and evolutionary consequences. Durham Convention Center, Durham, North Carolina, 2012.

A QTL Map of Intersubspecific Recombination Rate Divergence. Annual Meeting of the Society for Molecular Biology and Evolution. Lyon, France, 2010.

Polymorphism and Divergence in Recombination Rate among House Mice. Evolution of Sex and Recombination: In Theory and Practice. University of Iowa, Iowa City, 2009.

A Comparative Analysis of Recombination Rate Evolution. Annual Meeting of the Society for Molecular Biology and Evolution. Dalhousie University, Halifax, Nova Scotia, Canada, 2007.

The Evolution of Mammalian Recombination Rates. Annual Meeting of the Society for the Study of Evolution. State University of New York, Stony Brook, New York, 2006.