



Peter L. Jones, Ph.D.
Mick Hitchcock Endowed Chair
of Medical Biochemistry
Associate Professor of Pharmacology
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Current Appointment

The Mick Hitchcock Endowed Chair of Medical Biochemistry, Associate Professor of Pharmacology, University of Nevada, Reno School of Medicine, Reno, NV 2017- present

Previous Positions and Employment

Associate Professor, Department of Cell and Developmental Biology & Department of Neurology University of Massachusetts Medical School, Worcester, MA 2013-2016

Affiliate Scientist, Sen. Paul D. Wellstone Muscular Dystrophy Cooperative Research Center for Facioscapulohumeral Muscular Dystrophy 2011-2015

Principal Scientist, Boston Biomedical Research Institute, Watertown, MA 2010-2013

Assistant Professor, Department of Cell and Developmental Biology, University of Illinois at Urbana-Champaign, Urbana, IL 2001-2010

Research Technician, Miami University Department of Zoology 1990

Education

Postdoctoral Fellow, Laboratory of Molecular Embryology, NICHD, NIH, Bethesda, MD 1997-2001
Mentors: Alan P. Wolffe, PhD and Yun-Bo Shi, PhD

Ph.D., (Genetics and Molecular Biology), Emory University, Atlanta, GA 1991-1997
Thesis Title: Regulation of the murine manganese superoxide dismutase gene by tumor necrosis factor-alpha
Thesis Advisor: Jeremy M. Boss, PhD

B.A., Microbiology, Miami University, Oxford, OH 1987-1991
Research topic: Ice nucleating active bacteria; Mentor: Marcia R. Lee, DVM

Research Grants

Current

Agency & Grant Number	Principal Investigator (PI)	Years
NIH R01AR070432-01	PI: Peter L. Jones (Sub D. Burkin UNR)	7/1/16-6/30/21
Title: "Pathogenic mechanisms in facioscapulohumeral muscular dystrophy"		
Investigating the developmental expression of DUX4 and the role of immune system		
	Direct	Total
Total Years 1-5	\$1,595,218	\$2,425,693
PLJ Lab Years 1-5	\$1,205,335	\$2,018,936

NIH R21AR070438-01 PI: **Peter L. Jones**
 Title: "Establishing an FSHD-like mouse for therapeutic development"
 Natural history and biomarker study of our FLExDUX4 FSHD-like mouse model

	Direct	Total
2 Years total	\$242,000	\$405,350

9/1/16-8/31/18

Muscular Dystrophy Association #383364 PI: Peter L. Jones (5% effort)
 Title: "FSHD-like mice for therapeutic development and preclinical testing"
 Description: Rigorous characterization of our DUX4-based FSHD-like mouse model.

	Direct	Total
Total Years 1-3:	\$272,727	\$300,000

2/1/16-1/31/19

NIH 1R01AR062587-01A1 PI: Peter L. Jones (39% effort)
 Title: "Mechanisms of DUX4-mediated FSHD pathology"
 Description: Investigates the normal and pathogenic function and regulation of DUX4

	Direct	Total
Total Years 1-5:	\$1,701,635	\$2,440,214

7/3/13-6/30/18

FSH Society 22016-02 Co-PIs: Peter L. Jones and Robert J. Bloch
 Title: "CRISPR approaches targeting DUX4 in vivo"
 Description: AAV delivery CRISPR technology into a humanize mouse model of FSHD

2 Years total	\$240,014	Direct cost (no indirect allowed)
Jones Lab:	\$120,460	Direct cost
Bloch Lab:	\$119,554	Direct cost

9/1/16-8/30/18

The Chris Carrino Foundation for FSHD Co-PI: PL Jones (5% effort), TI. Jones
 Title: A FSHD model for therapeutic development
 Description: Generate transgenic D4Z4/DUX4 mice under control of the homologous DUX4 regulatory elements.

Year 1:	\$25,000	total (no indirect)
Years 2 & 3:	\$107,777	total (no indirect)

9/1/13-12/31/16

Sponsored Research Agreements

Confidential Pharmaceuticals Pilot #1	\$59,660 Total	2016 (9mo)
Confidential Therapeutics Pilot #2	\$70,292 Total	2016 (6mo)

Pending Grants

Agency & Grant Number	Principal Investigator (PI)	Years
NIH R21/R33	Multi-PI: Robert J. Bloch and Peter L. Jones	4/1/17-3/31/20
Submitted 6/16/2016 Scored 52 Resubmit 3/2017		
Title: "In vivo therapeutic targeting of FSHD using CRISPR/Cas9-based approaches"		
Using AAV to deliver CRISPR and CRISPRi technology into mouse models of FSHD		
3 Years total: \$750,000 (Direct cost)		
Jones Lab: \$375,000 (Direct) and \$251,000 (Indirect)		
Bloch Lab: \$375,000 (Direct) and indirect		

Completed Projects

Agency	Grant Number	Principal Investigator (PI)	Years
NICHD/NIH Career Transition Award	5K22HD1338	PI: Peter L. Jones	2002-2004
Title: "Methylation-dependent transcription repression"			
Description: Biochemically identify new DNMTs and methyl-DNA binding proteins			
2 Years: \$269,520 Total			

FSH Society #FSHS-LCT-001	PI: Peter L. Jones	2007-2008
Title: "Gene and genome regulation by the FSHD associated 4q35 region"		
1 Year: \$30,000 Total		
FSH Society #FSHS-KF-001	PI: Peter L. Jones	2009-2010
Title: "Testing the effects of elevated DUX4, DUX4c, and PITX1 in the <i>X. laevis</i> vertebrate system"		
1 Year: \$15,000 Total		
FSH Society #FSHS-82010-03	PI: Peter L. Jones	2011
Title: "Identification of a novel FSHD biomarker"		
1 Year: \$10,000 Total		
FSH Society #FSHS-22011-06	PI: Peter L. Jones	2011
Title: "Analysis of DUX4-fl expression"		
1 Year: \$7,500 Total		
The Thoracic Foundation, Boston, MA	PI: Peter L. Jones	2011-2012
Title: "Identification of therapeutic targets for FSHD"		
1 Year: \$300,000 Total		
NIAMS/NIH 1R01AR055877	PI: Peter L. Jones	2007-2013
Title: "Molecular Mechanisms of FSHD Pathology"		
5 Years: \$1,392,952 Total		
JW Alden Foundation	Co-PIs: Peter L. Jones and Moon Um	2012-2013
Title: "Paving the way for personalized medicine for children with Rett Syndrome"		
1 Year: \$10,000 Total		
FSH Society FSHS-22012-01	PI: Peter L. Jones	2012-2014
Title: "A transgenic model of DUX4-mediated FSHD"		
2 Years: \$105,000 Total		
Muscular Dystrophy Association #MDA216652	Co-PIs: Emerson, PL Jones, Miller	2012-2015
Title: "Evaluating DUX4 as a therapeutic target for FSHD"		
3 Years: \$600,000 total (1/3 PLJ \$200,000)		
NINDS/NIH U54HD060848	PI: Charles P. Emerson	2013-2015
Sen. Paul D. Wellstone Center Grant Title: "Biomarkers for therapy of FSHD"		
Description: We provided epigenetic analysis of myogenic cells for Project 2		
Jones Lab budget totals years 1-2: \$85,800 (Total)		
Association Française contre les Myopathies AFM15700		2012-2015
Co-PIs: Peter L. Jones and Jeffrey B. Miller		
Title: "DUX4, epigenetics, and pathogenesis of facioscapulohumeral muscular dystrophy"		
2 Years: €59,000 Total (~\$80,000) 2/3 PLJ; 1/3 JBM		
UMMS Office of Technology Commercialization and Ventures (OTCV)		2015
Technology Development Fund	Co-PIs: PL Jones, Takako I. Jones, Oliver King	
Title: Rapid and accurate molecular diagnosis of FSHD		
1 Year: \$25,000 Total		
NIH STTR R41AR067014	PI: Dean Burkin (Strykogen Co.)	2014-2015
Title: "Galectin-1: A novel protein therapy for DMD"		
1 Year Jones lab budget: \$22,500 Total		
The FSH Society FSHS-2015-SG02	PI: Peter L. Jones	2015-3/2016
Title: Characterization of Coriell FSHD family cell lines		
1 Year: \$16,000 Total		
NIH 1R21 NS086902-01A1	PI: Robert Bloch; Subcontract: Peter L. Jones	9/1/15-8/30/16
Title: "A novel xenograph model of FSHD"		

Description: Jones lab will perform DNA methylation and gene expression analysis on tissue from muscle xenographs
1 Year Jones lab budget: \$20,647 Total

Equipment Grants

Tomforde Foundation PI: Peter L. Jones 2012
Title: "Imaging system for nucleic acid analysis"
Description: Equipment grant for a new CCD gel documentation system
\$10,000 Total

The Hawaii Foundation PI: Peter L. Jones 2012
Title: "Quantitative real-time PCR for gene expression analysis"
Description: Equipment grant for a BioRad CFX96 Touch qPCR system
\$20,000 Total

Travel Grants

FSH Society 2014 Kiichi Arahata, M.D. Memorial travel fellowship 2014
\$5,958 Total

Patents

U.S. Application No.: 62/062,085 "Molecular Diagnosis of FSHD by Epigenetic Signature" 2014

U.S. Application No.: 62/398,801 "Silencing of DUX4 by Recombinant Gene Editing Complexes" 2016

U.S. Application No.: 62/418,694 "Identification of Therapeutic Targets for Facioscapulohumeral Muscular Dystrophy" 2016

Publications

Peer-reviewed publications

1. **Peter L. Jones**, Gary Kucera, Helen Gordon, and Jeremy M. Boss. **1995**. Cloning and characterization of the murine manganese superoxide dismutase-encoding gene. *Gene*, 153:155-161.
2. Dongsheng Ping, **Peter L. Jones**, and Jeremy M. Boss. **1996**. TNF regulates the in vivo occupancy of both distal and proximal regulatory regions of the *MCP-1/JE* gene. *Immunity*, 4:455-469.
3. Elizabeth R. Smith, **Peter L. Jones**, Jeremy M. Boss, and Al H. Merrill. **1997**. Changing J774A.1 cells to new media perturbs multiple signaling pathways, including the modulation of protein kinase C by endogenous sphingoid bases. *Journal of Biological Chemistry* 272:5640-5646.
4. **Peter L. Jones**, Dongsheng Ping, and Jeremy M. Boss. **1997**. Tumor necrosis factor- α and Interleukin-1 β regulate the murine manganese superoxide dismutase gene through a complex intronic enhancer involving C/EBP- β and NF- κ B. *Molecular and Cellular Biology*, 17:6970-6981.
5. **Peter L. Jones**, Gert Jan C. Veenstra, Paul A. Wade, Danielle Vermaak, Stefan U. Kass, Nicoletta Landsberger, John Strouboulis, and Alan P. Wolffe. **1998**. Methylated DNA and MeCP2 recruit histone deacetylase to repress transcription. *Nature Genetics*, 19:187-191.
6. Paul A. Wade, **Peter L. Jones**, Danielle Vermaak, and Alan P. Wolffe. **1998**. A multiple subunit Mi-2 histone deacetylase from *Xenopus laevis* cofractionates with an associated Snf2 superfamily ATPase. *Current Biology*, 8:843-846.
7. Yun-Bo Shi, Laurent M. Sachs, **Peter L. Jones**, Qing Li, and A. Ishizuya-Oka. **1998**. Thyroid hormone regulation of *Xenopus laevis* metamorphosis: Function of TRs and roles of ECM remodeling. *Wound Repair and Regeneration* 6:314-322.
8. **Peter L. Jones***, Danielle Vermaak*, Paul A. Wade*, Yun-bo Shi, and Alan P. Wolffe. **1999**. Functional analysis of the SIN3-histone deacetylase RPD3-RbAp48-histone H4 connection in the *Xenopus* oocyte-evidence for a default pathway of deacetylase mediated transcriptional repression. *Molecular and Cellular Biology* 19:5847-5860. *These three authors provided an equal contribution

9. Paul A. Wade, Anne Gegonne, **Peter L. Jones**, Esteban Ballestar, Florence Aubry, and Alan P. Wolffe. **1999**. Mi-2 complex couples DNA methylation to chromatin remodeling and histone deacetylation. *Nature Genetics* 23:62-66.
10. Alan P. Wolffe, **Peter L. Jones**, and Paul A. Wade. **1999**. DNA Demethylation. *PNAS USA* 96: 5894-96.
11. **Peter L. Jones** and Alan P. Wolffe. **1999**. Relationships between chromatin organization and DNA methylation in determining gene expression. *Seminars in Cancer Biology* 9:339-347
12. Laurent M. Sachs, Sashko Damjanovski, **Peter L. Jones**, Qing Li, Tosikazu Amano, Shuichi Ueda, Yun-Bo Shi, and Atsuko Ishizuya-Oka. **2000**. Dual functions of thyroid hormone receptors during *Xenopus* development. *Comparative Biochemistry and Physiology* 126:199-211.
13. Keith D. Robertson, Slimane Ait-Si-Ali, Tomoki Yokochi, Paul A. Wade, **Peter L. Jones**, and Alan P. Wolffe. **2000**. DNMT1 forms a complex with Rb, E2f1 and HDAC1 and represses transcription from E2F-responsive promoters. *Nature Genetics* 25:338-342.
14. Laurent M. Sachs, **Peter Jones**, Shaochung Hsia, and Yun-Bo Shi. **2001**. Chromatin remodeling and developmental gene regulation by thyroid hormone receptor. *Gene Therapy and Molecular Biology* 5:101-110.
15. **Peter L. Jones**, Laurent M. Sachs, Nicole Rouse, Paul A. Wade, and Yun-Bo Shi. **2001**. Multiple N-CoR complexes contain distinct histone deacetylases. *Journal of Biological Chemistry* 276:8807-8812.
16. Walter Stunkel, Slimane Ait-Si-Ali, **Peter L. Jones**, and Alan P. Wolffe. **2001**. Programming the transcriptional state of replicating methylated DNA. *Journal of Biological Chemistry* 276:20743-20749.
17. Laurent M. Sachs, **Peter L. Jones**, Emmanuelle Havis, Nicole Rouse, Barbara Demeneix, and Yun-Bo Shi. **2002**. Nuclear receptor corepressor recruitment by unliganded thyroid hormone receptor in gene repression during *Xenopus laevis* development. *Molecular and Cellular Biology* 22:8527-8538.
18. **Peter L. Jones** and Yun-Bo Shi. **2003**. N-CoR-HDAC Corepressor Complexes: Roles in Transcriptional Regulation by Nuclear Hormone Receptors. *Current Topics in Microbiology and Immunology* 274: 237-68.
19. Ryan D. Wuebbles and **Peter L. Jones**. **2004**. DNA repair in a chromatin environment. *Cell Mol Life Sci*. 61:48-53.
20. KN Harikrishnan, Maggie Chow, Emma K. Baker, Sharmista Pal, Sahar Bassal, Daniella Brasacchio, Li Wang, Jeff M. Craig, **Peter L. Jones**, Said Sif, and Assam El-Osta. **2005**. Brahma links the SWI/SNF chromatin-remodeling complex with MeCP2-dependent transcriptional silencing. *Nature Genetics* 37:254-64.
21. KN Harikrishnan, Sharmista Pal, M Yarski, Emma K. Baker, Maggie Chow, MG deSilva, J Okabe, Li Wang, **Peter L. Jones**, Said Sif, and Assam El-Osta. **2006**. Reply to "Testing for association between MeCP2 and the brahma-associated SWI/SNF chromatin-remodeling complex." *Nature Genetics* 38:964-67.
22. Ying Wang, Mireia Jorda, **Peter L. Jones**, Ryszard Maleszka, Xu Ling, Hugh M. Robertson, Craig A. Mizzen, Miguel A. Peinado, Gene E. Robinson. **2006**. Functional CpG methylation system in a social insect. *Science* 314:645-47.
23. The Honeybee Genome Sequencing Consortium led by George M. Weinstock and Gene E. Robinson. Gene regulation group: R Maleszka, DB Weaver, GV Amdam, JM Anzola, KS Campbell, KL Childs, D Collinge, MA Crosby, CM Dickens, CG Elisk, KHJ Gordon, LS Grametes, CM Grozinger, **Peter L. Jones**, M Jorda, X Ling, BB Matthews, J Miller, NV Milshina, C Mizzen, MA Peinado, JT Reese, JG Reid, HM Robertson, GE Robinson, SM Russo, AJ Schroeder, SE St. Pierre, Y Wand, P Zhou. **2006**. Insights into social insects from the genome of the honeybee *Apis mellifera*. *Nature* 443:931-49.
24. Ryan Wuebbles and **Peter L. Jones**. **2007**. Engineered telomeres in transgenic *Xenopus laevis*. *Transgenic Research* 16:377-84.
25. Brent Beenders, **Peter L. Jones**, and Michel Bellini. **2007**. The tripartite motif (TRIM) of nuclear factor 7 is required for its association with transcription units. *Molecular and Cellular Biology* 27:2615-24.
26. Assam El-Osta, Daniella Brasacchio, Dachun Yao, Alessandro Poci, **Peter L. Jones**, Robert G. Roeder,

- Mark E. Cooper, and Michael Brownlee. **2008**. Transient high glucose causes persistent epigenetic changes and altered gene expression during subsequent normoglycemia. *Journal of Experimental Medicine* 205:2409-2417. PMC2556800
27. Meredith Hanel, Ryan D. Wuebbles, and **Peter L. Jones. 2009**. Muscular dystrophy candidate gene FRG1 is critical for muscle development. *Developmental Dynamics* 238:1502-12. PMC2964887
28. Ryan D. Wuebbles, Meredith Hanel, and **Peter L. Jones. 2009**. FSHD region gene 1 (FRG1) is crucial for angiogenesis linking FRG1 to facioscapulohumeral muscular dystrophy-associated vasculopathy. *Disease Models and Mechanisms* 2:267-274. PMC2675802
29. Qian Liu, Takako Iida Jones, Vivian W. Tang, William M. Brieher, and **Peter L. Jones. 2010**. Facioscapulohumeral region gene-1 (FRG-1) is an actin bundling protein associated with muscle attachment sites. *Journal of Cell Science* 123:1116-1123. PMC2844320
30. Ryan D. Wuebbles, Steven W. Long, Meredith L. Hanel, and **Peter L. Jones. 2010**. Testing the effects of FSHD candidate gene expression in vertebrate development. *International Journal of Clinical and Experimental Pathology* 3(4):386-400. PMC2872745
31. Meredith Hanel, Chia-Yun Jessica Sun, Takako I. Jones, Steven W. Long, Simona Zanotti, Derek Milner, and **Peter L. Jones. 2011**. Facioscapulohumeral muscular dystrophy (FSHD) region gene 1 (FRG1) is a dynamic nuclear and sarcomeric protein. *Differentiation* 81:107-118. PMC3030934
32. Steven W. Long, Jenny Y.Y. Ooi, Peter M. Yau and **Peter L. Jones. 2011**. A brain-derived methyl-CpG binding protein 2 (MeCP2) complex supports a role for MeCP2 in RNA processing. *Bioscience Reports* 31(5):333-343. PMC3148018
33. Ozren Bogdanovic, Steven W. Long, Simon van Heeringen, Arjen Brinkman, Hendrik G. Stunnenberg, **Peter L. Jones**, and Gert Jan C. Veenstra. **2011**. Temporal uncoupling of the DNA methylome and transcriptional repression during embryogenesis. *Genome Research* 21:1313-1327. PMC3149498
34. Chia-Yun Jessica Sun, Silvana van Koningsbruggen, Steven W. Long, Kirsten Straasheijm, Rinse Klooster, Takako I. Jones, Michel Bellini, Lyne Levesque, William M. Brieher, Silvère M. van der Maarel, and **Peter L. Jones. 2011**. FRG1 is a dynamic RNA-associated actin-bundling protein. *Journal of Molecular Biology*, 411:397-416. PMC3143299
35. Qian Liu, Takako I. Jones, Rebecca A. Bachmann, Lauren Rogowski, Mitchell Meghpara, Benjamin D. Williams and **Peter L. Jones. 2012**. C. elegans PAT-9 is a nuclear zinc finger protein critical for the assembly of muscle attachments. *Cell and Bioscience*, 2:18. PMC3419604
36. Takako I. Jones, Jennifer C.J. Chen, Fedik Rahimov, Sachiko Homma, Patricia Arashiro, Mary Lou Beermann, Oliver D. King, Jeffrey B. Miller, Louis M. Kunkel, Charles P. Emerson, Jr, Kathryn Wagner and **Peter L. Jones. 2012**. Facioscapulohumeral muscular dystrophy family studies of DUX4 expression: Evidence for disease modifiers and a quantitative model of pathogenesis. *Human Molecular Genetics*, 21:4419-4430. PMC3459465
37. Gary T. Morgan, **Peter L. Jones** and Michel Bellini. **2012**. Association of modified cytosines and the methylated DNA-binding protein MeCP2 with distinctive structural domains of lampbrush chromatin. *Chromosome Research*, 20:925-30. PMC3565088
38. Satomi Mitsuhashi, Steven E. Boyden, Elicia A. Estrella, Takako I. Jones, Fedik Rahimov, Timothy W. Yu, Basil T. Darras, Anthony A. Amato, Rebecca D. Folkerth, **Peter L. Jones**, Louis M. Kunkel and Peter B. Kang. **2013**. Exome sequencing identifies a novel *SMCHD1* mutation in facioscapulohumeral muscular dystrophy 2. *Neuromuscular Disorders*, 23:975-980. PMC3851942
39. Charis L. Himeda, Celine Debarnot, Sachiko Homma, Mary Lou Beermann, Jeffrey B. Miller, **Peter L. Jones*** and Takako I. Jones*. **2014**. Myogenic enhancers regulate expression of the facioscapulohumeral muscular dystrophy associated DUX4 gene. *Molecular and Cellular Biology* 34(11):1942-55. PMC4019064
40. Charis L. Himeda, Takako I. Jones and **Peter L. Jones. 2015**. Facioscapulohumeral muscular dystrophy as a model for epigenetic regulation and disease. *Antioxidants & Redox Signaling* 22(6):1463-82. PMC4432493
41. Takako I. Jones, Chi Yan, Peter C. Sapp, Diane McKenna-Yasek, Peter B. Kang, Colin Quinn, Johnny S. Salameh, Oliver D. King and **Peter L. Jones. 2014**. Identifying diagnostic DNA methylation profiles for

- facioscapulohumeral muscular dystrophy in blood and saliva using bisulfite sequencing. *Clinical Epigenetics* 6:23. PMC4232706
42. Takako I. Jones, Oliver D. King, Charis L. Himeda, Sachiko Homma, Jennifer C.J. Chen, Mary Lou Beermann, Chi Yan, Charles P. Emerson Jr., Jeffery B. Miller, Kathryn R. Wagner and **Peter L. Jones**. **2015**. Individual epigenetic status of the pathogenic D4Z4 macrosatellite correlates with disease in facioscapulohumeral muscular dystrophy. *Clinical Epigenetics* 7:37. PMC4405830
 43. Angela Lek, Fedik Rahimov, **Peter L. Jones** and Louis M. Kunkel. **2015**. Emerging preclinical animal models for FSHD. *Trends in Molecular Medicine*, 21:295-306. PMC4424175
 44. Takako I. Jones, Megan Parilla, and **Peter L. Jones**. **2016**. Transgenic *Drosophila* for investigating DUX4 and FRG1, two genes associated with facioscapulohumeral muscular dystrophy (FSHD). *PLoS ONE* 11(3):e0150938. PMC4778869
 45. Charis L. Himeda, Takako I. Jones, and **Peter L. Jones**. **2015**. CRISPR/dCas9-mediated transcriptional inhibition ameliorates the epigenetic dysregulation at D4Z4 and represses DUX4-fl in FSH muscular dystrophy. *Molecular Therapy* 24(3):527-35. PMC4786914
 **This work was highlighted in The Washington Post, The Huffington Post, Boston Business Weekly, and Vibe; Featured on the websites for the FSH Society, the Chris Carrino Foundation for FSHD, AMIS FSH, and FSHD Global.
 46. Charis L. Himeda, Takako I. Jones, and **Peter L. Jones**. **2016**. Scalpel or Straitjacket; CRISPR/Cas9 approaches to muscular dystrophy. Invited Forum Article. *Trends in Pharmacological Sciences* 37(4):249-51.
 47. ND Shaw*, H Brand*, ZA Kupchinsky, H Bengani, L Plummer, S Erdin, Takako I Jones, KA Williamson, J Rainger, K Samocha, R Collins, JR Willer, A Lek, M Lek, M Nassan, C Golzio, S Pereira, T Kammin, D Lucente, A Silva, C Seabra, Y An, A Stortchevoi, M Ansari, JK Rainger, S Joss, J Clayton-Smith, MF Lippincott, S Singh, N Patel, J Law, N Ferraro, A Verloes, A Rauch, K Steindl, D Sato, K Yoshiura, N Okamoto, C Jacobsen, J Tryggestad, S Chernausek, LA Schimmenti, B Bresseur, C Cesaretti, JE García-Ortiz, TP Buitrago, OP Silva, JD Hoffman, W Mühlbauer, KW Ruprecht, B Loeys, A Kaindl, C-H Cho, C Morton, V van Heyningen, E Liao, JE Hall, SB Seminara, JF Gusella, D Macarthur, JA Marsh, JM Graham, Jr, AE Lin, N Katsanis, **Peter L Jones**, WF Crowley, Jr, EE Davis, David R FitzPatrick**, Michael E Talkowski**. **2016**. Missense Mutations in *SMCHD1* are Associated with Isolated Arhinia, Bosma Arhinia Microphthalmia Syndrome, and Facioscapulohumeral Muscular Dystrophy Type 2. (In Press).
 48. Takako I. Jones, Charis L. Himeda, Daniel P. Perez, and **Peter L. Jones**. **2016**. Large family cohorts of lymphoblastoid cells provide a new cellular model for investigating facioscapulohumeral muscular dystrophy. (In Press).

Books & Chapters

49. Paul A. Wade, **Peter L. Jones**, Danielle Vermaak, and Alan P. Wolffe. **1999**. Purification of a histone deacetylase complex from *Xenopus laevis*, preparation of substrates, and assay procedures. *Methods in Enzymology*, 304:715-725.
50. **Peter L. Jones**, Paul A. Wade, Danielle Vermaak, and Alan P. Wolffe. **2002**. Purification of MeCP2-containing deacetylases. *Methods in Molecular Biology: DNA methylation protocols*. Humana Press p131-142.
51. **Peter L. Jones**, Paul A. Wade, and Alan P. Wolffe. **2001**. Purification of the MeCP2/histone deacetylase complex from *Xenopus laevis*. *Methods in Molecular Biology: Genomic Imprinting Protocols*, Humana Press p297-308.
52. **Peter L. Jones** and Yun-Bo Shi. **2003**. N-CoR-HDAC Corepressor Complexes: Roles in Transcriptional Regulation by Nuclear Hormone Receptors. *Protein Complexes that Modify Chromatin*, Springer, p237-268.

Non-peer-reviewed publications

53. Paul A. Wade, **Peter L. Jones**, Danielle Vermaak, Gert Jan C. Veenstra, Axel Imhof, Takashi Sera, Hui Ge, Yun-Bo Shi, Jeff C. Hansen, and Alan P. Wolffe. **1998**. Histone deacetylase directs the dominant

silencing of transcription in chromatin: Association with MeCP2 and the Mi-2 chromodomain SWI/SNF ATPase. *Cold Spring Harbor Symposium on Quantitative Biology* 63:435-445.

Presentations & Abstracts

Invited Oral Presentations	Year
Muscular Dystrophy Association Scientific Conference, Washington DC "TBD"	2017
CVS-American Chemical Society Fall Dinner Symposium Keynote Address, West Hartford, CT "CRISPR approaches to FSHD, a model epigenetic disease"	2016
Boston University School of Medicine, Dept. of Pharmacology, Boston, MA "FSHD is a model epigenetic disease for diagnostics, modeling, and therapy"	2016
University of Maryland School of Medicine, Baltimore, MD "Identifying and targeting pathogenic mechanisms in facioscapulohumeral muscular dystrophy"	2016
University of Washington School of Medicine, Seattle, WA "FSHD is a model epigenetic disease"	2015
Boston University School of Medicine, Dept. of Neurology, Boston, MA "Facioscapulohumeral muscular dystrophy is a model for individual epigenetics mediating severity of disease presentation"	2015
University of Nevada School of Medicine, Reno NV. "Molecular mechanisms of FSH muscular dystrophy"	2015
New Directions in Biology and Disease of Skeletal Muscle, Chicago IL. "Epigenetic variability and gene expression in FSH muscular dystrophy"	2014
University of South Florida Department of Cell Biology, Microbiology and Molecular Biology, "Epigenetics and FSH muscular dystrophy"	2013
University of Massachusetts Medical School, Dept. of Cell and Developmental Biology "Molecular mechanisms of FSH muscular dystrophy pathology"	2012
Parexel International Annual Meeting of the Board of Directors, "Epigenetics and drug development"	2012
Boston Biomedical Research Institute, "A Noah's Ark Approach to Understanding FSHD Pathogenesis"	2010
Southern Illinois University Biochemistry and Molecular Biology Department "Molecular Mechanisms of Facioscapulohumeral Muscular Dystrophy Pathology"	2008
Monmouth College, The McMullen Seminar in Biology "Insight from Facioscapulohumeral Muscular Dystrophy-like Frogs"	2008
54 th Annual Meeting of the Orthopedic Research Society; Workshop 3: Epigenetic Regulatory Mechanisms in Musculoskeletal Development and Disease, "Epigenetic Modifications as Pharmaceutical Targets"	2008
Missouri State University, Biomedical Sciences Department, "Establishing Repressive Chromatin"	2005
National/International Meetings (* indicates presenter)	Year
"A tunable phenotypic FSHD-like mouse model" Takako I. Jones* and Peter L. Jones. FSHD International Research Consortium, Boston, MA. (poster presentation)	2016
"Large family cohorts of lymphoblastoid cells provide a new cellular model for investigating facioscapulohumeral muscular dystrophy"	2016
"A tunable phenotypic FSHD-like mouse model" Takako I. Jones* and Peter L. Jones. Molecular Mechanisms Modulating Skeletal Muscle Development and Homeostasis in Health and Disease, Monterey, CA (poster presentation)	2016
"Xenografting human myogenic cells into mice: A new model for FSHD" A. Llach, A.L.	2014

- Mueller, T.I. Jones, P. Sakellariou, A. O'Neill, **Peter L. Jones**, and Robert J. Bloch*. New Directions in Biology and Disease of Skeletal Muscle, Orlando, FL. (oral presentation)
- "A mouse model of facioscapulohumeral muscular dystrophy" Takako I. Jones, Chi Yan, and **Peter L. Jones***. 13th International Congress on Neuromuscular Diseases, Nice, France. (poster presentation) 2014
- "Regulation of DUX4 expression in facioscapulohumeral muscular dystrophy" Charis L. Himeda, Céline Debarnot, **Peter L. Jones** and Takako I. Jones*. 13th International Congress on Neuromuscular Diseases, Nice, France. (poster presentation) 2014
- "Regulation of DUX4 expression in facioscapulohumeral muscular dystrophy" Charis L. Himeda*, Céline Debarnot, **Peter L. Jones** and Takako I. Jones. New Directions in Biology and Disease of Skeletal Muscle, Chicago IL. (poster presentation) 2013
- "Epigenetic variability is a modifier of facioscapulohumeral muscular dystrophy" Takako Jones*, Chia-Yun Sun, Celine Debarnot, Charis Himeda, Charles P. Emerson, Jr. and **Peter L. Jones**. FSHD International Research Consortium, Cambridge, MA. (poster presentation) 2013
- "Epigenetic variability is a modifier of facioscapulohumeral muscular dystrophy" Takako Jones*, Chia-Yun Sun, Celine Debarnot, Charis Himeda, Charles P. Emerson, Jr. and **Peter L. Jones**. World Muscle Society, Monterey CA. (poster presentation) 2013
- "Association of modified cytosines and the methylated DNA-binding protein MeCP2 with distinctive structural domains of lampbrush chromatin" Garry T. Morgan, **Peter L. Jones** and Michel Bellini*. Epigenetics & Chromatin: Interactions and processes, Cambridge, MA (poster presentation) 2013
- "Epigenetic variability is a modifier of facioscapulohumeral muscular dystrophy" Takako Jones*, Chia-Yun Sun, Celine Debarnot, Charis Himeda, Charles P. Emerson, Jr. and **Peter L. Jones**. Epigenetics & Chromatin: Interactions and processes, Cambridge, MA (poster presentation) 2012
- "Facioscapulohumeral muscular dystrophy family studies of DUX4 expression provide evidence for disease modifiers and a quantitative model of pathogenesis" **Peter L. Jones***, Takako Jones, Jennifer Chen, Fedik Rahimov, Sachiko Homma, Patricia Arashiro, Mary Lou Beermann, Oliver King, Jeffrey Miller, Louis Kunkel, Charlie Emerson, and Kathryn Wagner. New Directions in Biology and Disease of Skeletal Muscle, New Orleans, LA (poster presentation) 2011
- "Expression of DUX4 mRNA and protein in muscles and myogenic cells from FSHD subjects and unaffected relatives" Takako Jones, Jennifer Chen, Fedik Rahimov, Sachiko Homma, Patricia Arashiro, Mary Lou Beerman, Oliver D. King, Jeffrey B. Miller, Louis M. Kunkel, Charles P. Emerson, Kathryn R. Wagner, and **Peter L. Jones***. FSHD International Research Consortium. (oral presentation) 2011
- "Sulforaphane modulates DNA methylation of gene promoters" Jenna M. Cramer*, **Peter L. Jones**, and Elizabeth H Jeffery. Experimental Biology. (poster presentation) 2009
- "Human FRG1 is an RNA-binding actin bundling protein" Jessica Chia-Yun Sun*, Michel Bellini, William M. Brieher, and **Peter L. Jones**. FSHD International Research Consortium. (oral presentation) 2009
- "The effects of elevated FSHD candidate gene expression on vertebrate development using *Xenopus laevis*." Ryan D. Wuebbles, Steven W. Long*, Meredith L. Hanel, and **Peter L. Jones**. FSHD International Research Consortium. (oral presentation) 2009
- "Endogenous FRG1 protein expression in human and mouse skeletal muscle." Meredith L. Hanel*, Jessica Chia-Yun Sun, and **Peter L. Jones**. FSHD International Research Consortium. (poster presentation) 2009
- "Facioscapulohumeral muscular dystrophy region gene-1 (FRG-1) is an actin

- bundling protein associated with muscle attachment sites." Qian Liu*, Takako Iida Jones, Vivian W. Tang, William M. Brieher, and **Peter L. Jones**. Facioscapulohumeral Muscular Dystrophy International Research Consortium. (oral presentation) 2009
- "Molecular characterization of *C. elegans* ZK1010.3, a homolog of human *FRG1*." Qian Liu* and **Peter L. Jones**. Society for Developmental Biology 68th Annual Meeting. (poster presentation) 2009
- "Purification of a novel MeCP2 complex from rat brain." Steven Long* and **Peter L. Jones**. Keystone Symposium on Epigenetic Basis of Neurodevelopmental Disorders. (oral presentation) 2008
- "Investigating D4Z4 mediated gene regulatory and epigenetic effects on FRG1 in a telomeric environment in the developing vertebrate *Xenopus laevis*." Meredith Hanel* and **Peter L. Jones**. Facioscapulohumeral Muscular Dystrophy International Research Consortium. (poster presentation) 2008
- "Muscular dystrophy candidate gene FRG1 functions in angiogenesis and muscle development." Ryan D. Wuebbles*, Meredith Hanel, and **Peter L. Jones**. Facioscapulohumeral Muscular Dystrophy International Research Consortium. (oral presentation) 2007
- "Analysis of FRG1 in *Xenopus laevis* during development," Meredith L. Hanel*, Ryan D. Wuebbles, and **Peter L. Jones**. Facioscapulohumeral Muscular Dystrophy International Research Consortium. (oral presentation) 1999
- "Methylation-dependent transcriptional repression mediated by methyl-DNA binding proteins and histone deacetylase," **Peter L. Jones***, Paul A. Wade, Stefan U. Kass, and Alan P. Wolffe. FASEB: Biological Methylation. (oral presentation) 1997
- "Transcription repression through histone deacetylase interactions with nuclear hormone receptors," **Peter L. Jones**, Jiemin Wong, Danielle Patterson, Yun-bo Shi, and Alan P. Wolffe*. Symposium on the Eukaryotic Nucleus. (poster presentation) 1996
- "TNF regulates the *in vivo* occupancy of both distal and proximal regulatory regions of the murine MCP-1/JE gene," Dongsheng Ping*, **Peter L. Jones**, and Jeremy M. Boss. FASEB AAAI Meeting. (poster presentation) 1995
- "Cloning, characterization, and regulation of the MnSOD gene," **Peter L. Jones***, Dongsheng Ping, and Jeremy M. Boss. FASEB AAAI Meeting. (oral presentation) 1994
- "Cloning and characterization of the murine MnSOD gene," **Peter L. Jones*** and Jeremy M. Boss. 5th International Congress on TNF and related Cytokines. (poster presentation)

Local/Regional Meetings (* Indicates presenter)

- | | <u>Year</u> |
|---|-------------|
| "Molecular mechanisms of FSHD pathogenesis" Takako I. Jones, Charis Himeda, and Peter L. Jones . University of Massachusetts Center for Clinical and Translational Science 4 th annual Research Retreat (oral presentation) | 2013 |
| "Epigenetic variability is a modifier of facioscapulohumeral muscular dystrophy" Takako Jones*, Chia-Yun Sun, Celine Debarnot, Charis Himeda, Charles P. Emerson, Jr. and Peter L. Jones . University of Massachusetts Center for Clinical and Translational Science 4 th annual Research Retreat (poster presentation) | 2013 |
| "Molecular characterization of <i>pat-9</i> , a novel gene critical for <i>C. elegans</i> muscle focal adhesion." Qian Liu*, Rebecca Bachmann, Benjamin D. Williams, and Peter L. Jones . 47 th Annual Midwest Developmental Biology Meeting. (poster presentation) | 2008 |
| "Muscular and vascular functions for muscular dystrophy candidate gene FRG1 in <i>Xenopus</i> development," Meredith L. Hanel*, Ryan D. Wuebbles, and Peter L. Jones . 47 th Annual Midwest Developmental Biology Meeting. (oral presentation) | 2008 |
| "MeCP2 connects DNA methylation dependent transcriptional repression with chromatin | 1998 |

structure," **Peter L. Jones***, Paul A. Wade, Stefan U. Kass, and Alan P. Wolffe. NIH Research Festival Symposium. (oral presentation)

"Identification of new species of ice-nucleating active bacteria," **Peter L. Jones***, Janet Strong-Gunderson, Richard E. Lee, and Marcia R. Lee. American Society of Microbiology: Ohio Branch Meeting. (oral presentation) 1991

Honors and Awards

Ohio Board of Regents Academic Scholarship	1987-1991
Miami University Undergraduate Research Committee Award	1990
Sigma Xi Research Grant Award	1990
Pharmacology Research Associate Training (PRAT) fellowship	1997-1999
Teacher Ranked as Excellent by Their Students in the School of Molecular and Cellular Biology, University of Illinois at Urbana-Champaign	2006
Appointed as an "FSH Society Ambassador" for #CureFSHD campaign	2015
Named Mick Hitchcock Endowed Chair of Medical Biochemistry	

Professional Memberships and Activities

<u>NIH Scientific Review Study Sections:</u>	03/2010
NINDS/NIH Wellstone Muscular Dystrophy Cooperative Research Centers	
ZNS1-SRB-S-22 (Muscular Dystrophy Centers)	10/2013
Ad hoc member: Skeletal Muscle and Exercise Physiology (SMEP)	02/2014
Ad hoc member: Skeletal Muscle and Exercise Physiology (SMEP)	07/2014
Chair: Musculoskeletal, Oral and Skin Sciences ZRG1 (MOSS)-Q 14 B Skeletal Muscle SBIR/STTR	02/2015
Ad hoc member: Skeletal Muscle and Exercise Physiology (SMEP)	06/2015
Ad hoc member: Skeletal Muscle and Exercise Physiology (SMEP)	10/2015
Ad hoc member: Skeletal Muscle and Exercise Physiology (SMEP)	7/2016-6/2020
Member: Skeletal Muscle and Exercise Physiology (SMEP)	

Other Research Grant Review Panels:

Louisiana Board of Regents (Out-of-state expert)	2005- 2009
Association Française contre les Myopathies (France)	2011-present
French National Research Agency (France)	2013
Muscular Dystrophy Campaign (U.K.)	2014, '16
Medical Research Council (U.K.)	2014
Italian Telethon Foundation (Italy)	2014, '15
Great Ormond Street Hospital Children's Charity (U.K.)	2016
Fondation maladies rares (France)	2016
Prinses Beatrix Spierfonds (The Netherlands)	2016

Scientific Meetings:

Session Chair for FSH International Research Consortium	2010
Abstract reviewer for American Society of Gene and Cell Therapy	2016

Society Member:

Sigma Xi	1991
American Society of Human Genetics	2011
American Society for Microbiology	2011
World Muscle Society	2013
American Society of Gene and Cell Therapy	2015

Editorial Responsibilities

Ad hoc Journal Reviewer:

American Journal of Pathology	Human Molecular Genetics	2002- present
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Annals of Neurology	Human Mutation
Antioxidants and Redox Signaling	International Journal of Obesity
BBA- Molecular Basis of Disease	Journal of Biological Chemistry
Biological Procedures	Journal of Cell Biology
BMC Biology	Journal of Medical Genetics
BMJ Open Journal	Journal of Molecular Cell Biology
Brain	Leukemia Journal
Cancer Biology and Therapy	Mechanisms of Development
Cell Cycle	Molecular and Cellular Biology
Chromosoma	Molecular Therapy
Clinical Epigenetics	Molecular Therapy – Nucleic Acids
Diabetes	Nucleic Acids Research
Epigenetics	PLoS Genetics
European Journal of Human Genetics	PLoS One
Experimental Cell Research	PNAS USA
Genome Research	Skeletal Muscle
Human Genetics	Stem Cells and Development
	Tissue and Cell

Text Book Reviewer

Modern Molecular Biology, Garland Science	2013
Handbook of Epigenetics, 2 nd Edition, Elsevier	2016

External PhD Thesis Examiner

Daniella Brasacchio, Monash University, Melbourne, Australia	2007
AW. Khan, Monash University, Melbourne, Australia	2016

Scientific Advisory Committees

Scientific Advisor for StrykaGen Corporation	2013 - present
Founding Member Scientific Advisory Board, Fulcrum Therapeutics	2016 - present

Educational Activities**Teaching Activities**At UMMS:

Neurology Dept. course “Neuroscience of Disease” class on FSHD	2016 (Spring)
GSBS Block II RAPS discussion leader “chromatin regulation”	2015 (fall)
GSBS Block II RAPS discussion leader “chromatin regulation”	2014 (fall)
BBS788 Lecture on “DNA methylation and muscular dystrophy”	2014 (spring)

At UIUC:

MCB484 “Model Organisms and Epigenetics” 45 contact hours (1hr MWF 15 weeks) Course developer, director, and lecturer Typically 14-18 combined graduate students and senior undergraduates per course offering Unique organization, see attached Teaching Portfolio	2004- 2008
CSB410 “Epigenetics” 45 contact hours (1.5hr T&Th 15 weeks) Course developer, director, and lecturer Typically 10-15 graduate students per course offering Unique organization, see attached Teaching Portfolio	2002- 2003

At Emory University:

“Human Genetics” Graduate Teaching Assistant (2hrs per week, 15 weeks) Prepared and presented course review sessions and answered questions	1994
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Advising & SupervisionPhD Students (Thesis advisor)

Ryan D. Wuebbles (12/02 - 4/09, UIUC) PhD 4/2009
 Postdoc with Dean Burkin, University of Nevada School of Medicine, Reno, NV
 Research Assistant Professor, University of Nevada School of Medicine
 Chief Scientific Officer, StrykaGen Corporation

Qian Liu (4/07 - 4/10, UIUC) PhD 4/2010
 Senior Biostatistician, HTG Molecular Diagnostics, Inc., Tucson, AZ

Steven W. Long (12/04 - 5/10, UIUC) PhD 5/2010
 R&D Chemist III with Sigma-Aldrich, St. Louis, MO
 Supervisor, New Product Development at Sigma-Aldrich

Jessica Chia-Yun Sun (12/04 - 8/10, UIUC) PhD 8/2010
 Research Scientist III with Millipore, Bedford, MA

PhD Students (External PhD Programs, supervising research portion at UMMS)

Chi Yan (PhD program at Huazhong Agricultural University) 9/2013-8/2015
 China Scholarship Council Award

Masters Students (External Program, supervising research portion at BBRI)

Céline Debarnot, Ecole Supérieure de Biotechnologie Strasbourg, Illkirch, France 1/2012-8/2012

Postdocs

Jonathan Schaefer, PhD; Currently a lawyer 6/2002-8/2004

Meredith Hanel, PhD; Currently directing elementary science education in Canada 7/2006-1/2010

Ryan D. Wuebbles, PhD 5/2009-8/2009
 Postdoc with Dean Burkin, Univ. of Nevada School of Medicine, Reno, NV
 Research Assistant Professor, University of Nevada School of Medicine
 Chief Scientific Officer, StrykaGen Corporation

Jessica Chia-Yun Sun, PhD 9/2010-12/2011
 Currently a Research Scientist III with Millipore in Bedford, MA

Other research staff

Takako Iida Jones, PhD; Research Associate 7/2008-2/2013

Charis Himeda, PhD; Research Associate II 1/2013 - present

Takako Iida Jones, PhD; Senior Research Scientist (Currently Res Asst. Professor) 3/2013 – 2/2016

Undergraduates researchers at UIUC

ChangHui Pak, Earned "Distinction" for thesis 9/2002-5/2005
 Attended Emory University for PhD (2012); postdoc with Tom Südhof at Stanford

Jonathon Backus, Earned "Distinction" for thesis 9/2002-5/2005
 Attended Duke University Medical School; currently an orthopedic resident at
 Washington University in St. Louis

Charles Umunna 1/2003-5/2005
 Attended University of Chicago School of Medicine

Steven Larson, Earned "Distinction" for thesis 9/2003-5/2005
 Attended Rush Medical School

Rosemary Kim (9/04-12/06) 9/2004-12/2006
 Attended Pharmacy School

Chris Lawrence (9/04-5/06) Earned "Distinction" for thesis 9/2004-5/2006
 Attended Southern Illinois Medical School

Wanhee Park (1/05-5/08) 1/2005-5/2008

Attended Boston University Masters Program Attended Tulane University School of Medicine	
Jenny Ying-Ying Ooi (6/06-5/07) Earned "High Distinction" for thesis Author on: <i>Bioscience Reports</i> 31(5):333-343. Attended University of Melbourne, Australia PhD program (PhD 01/2013)	6/2006-5/2007
Victoria Milunas (9/06-12/06) Attended Illinois College of Optometry	9/2006-12/2006
Aditi Patel (9/06-5/07) Attended Loyola School of Public Health	9/2006-5/2007
Mitchell Meghpara (6/07-5/09) Earned "High Distinction" for thesis Author on: <i>Cell and Bioscience</i> , 2:18. Attended University of Illinois-Chicago Medical School	6/2007-5/2009
Lauren Rogowski (9/08-5/09) Attended University of Illinois-Chicago Medical School Author on: <i>Cell and Bioscience</i> , 2:18.	9/2008-5/2009
Megan Parilla (5/08-5/10) Earned "Distinction" and the Department of Cell and Developmental Biology award for Excellence in Biology for thesis Author on: <i>PLoS One</i> , 11(3):e0150938 Attended University of Illinois-Chicago Medical School	5/2008-5/2010
<u>High School Students</u>	
Aaron Siegel (8/12 – 2/13) Watertown High School, Watertown MA	8/2012-2/2013
<u>PhD Students (Thesis committee member)</u>	
Yangjin Bae MIP/UIUC Advisor: Byron Kemper	
Chien-Hui Chuang, CDB/UIUC Advisor: Andy Belmont	
Oytunji Toogun, CDB/UIUC Advisor: Brian Freeman	
Evelyn Caporali, VetMed/UIUC Advisor: Matthew Stewart	
Quanyuan Zhang, CDB/UIUC Advisor: Byron Kemper	
Zeynep Madek, CDB/UIUC Advisor: Benita Katzenellenbogen	
Yuping Zheng, CDB/UIUC Advisor: Craig Mizzen	
Ying Jiang, CDB/UIUC Advisor: Gary Olsen	
Farzaneh Masoud, CDB/UIUC Advisor: Romana Nowak	
Kyle Hewitt CMDB/Tufts Advisor: Jonathan Garlick	
Loretah Chibaya CDB/UMMS Advisor: Steven Jones	

Committee Assignments and Administrative Service

<u>At Boston Biomedical Research Institute</u>	
Faculty Review Committee	Years 2011-2013
Faculty Search Committee	2011-2013
Committee on Research	2011-2013
Scientific Advisory Board Executive Committee	2012-2013
Biosafety Committee	2012-2013
<u>At the University of Illinois at Urbana-Champaign</u>	
Chair, Equipment Committee	2004-2010
Graduate Recruiting Committee	2002-2007
MCB Masters Program Admissions Committee	2008
Faculty Search Committee "Cell Biology"	2006
Faculty Search Committee "Biochemistry"	2005
Faculty Search Committee "Human Genetics"	2003
Faculty Search Committee "Director of Proteomics"	2002
Faculty Search Committee "Functional analysis of Macromolecular Assemblies"	2002
Faculty Committee on Animal Care for the School of Life Sciences	2003-2010
Undergraduate Advising Committee	2002-2003

Courses and Curriculum Committee
Equipment Committee

2002
2001-2010

Administrative Service:

Hooded PhD candidates at graduation for Dept of Cell and Developmental Biology
Graduation ceremony name reader for the School of Molecular and Cellular Biology
Medical Scholars Program entrance interviewing panel

2009, '11
2005, '07, '08
2002, '03, '05

Professional Service and Community Engagement

Leal Elementary School, Urbana, IL afterschool science enrichment program	3/2006
Osher Lifelong Learning Institute course "The new Genetic Information and your Medical Care", Urbana, IL; Presented lecture on unusual gene regulation	3/2009
FSH Society "End-of-Tax-Season" fundraiser, Dorchester, MA; Spoke about the recent progress in FSHD research.	4/2011
FSH Society "Cape Cod Walk 'n' Roll for FSHD" fundraiser, Harwich, MA; Spoke about the importance of small research grants for initiating innovative research projects.	10/2011
Watertown Community Foundation, Watertown, MA; Spoke about local research efforts and getting kids interested in science.	2/2012
FSH Society "Cape Cod Walk 'n' Roll for FSHD fundraiser, Harwich, MA; Updated recent FSHD progress funded by FSH Society.	10/2012
Appeared in FSH Society fundraising video providing scientific expertise: http://www.youtube.com/watch?v=FljYUMTr3IM	5/2012
FSH Society "A Festive Evening of Music and Song at New York Botanical Garden" fundraiser event. Spoke with patients and families about current research progress	9/2012
Host online live FSHD journal clubs (Monthly) for the FSH Society	2013 - present
Answer questions from FSHD patients on FSH Society Facebook page	2013 - present
Appeared in FSH Society fundraising video providing scientific expertise: http://www.youtube.com/watch?v=P6he-lhas4I	7/2013
Chris Carrino Foundation for FSHD fundraiser in Howard Beach New York. Spoke with patients and families about current research progress	7/2013
FSH Society "A Festive Evening of Music and Song at New York Botanical Garden" fundraiser event. Spoke with patients and families about current research progress	9/2013
FSH Society "Cape Cod Walk 'n' Roll for FSHD fundraiser, Harwich, MA; Updated recent FSHD progress funded by FSH Society.	10/2013
The Wellstone Program UMMS: Celebration of a Clinic and Research Center Serving FSHD Patients in the Northeast; Slide presentation on FSHD, research progress and patient involvement.	11/2013
Consulting on the FSH Knowledge Graph effort and FSH Wikipedia effort with a volunteer FSH patient group	2014-2015
Interviewed with a high school student (Jason Bang, Robinson Secondary School) for science project on FSHD	3/2014
FSH Society Connect patients meeting, Boston, MA; Oral presentation on family epigenetics and FSHD at the biannual patient and family research summit	8/2014
FSH Society "A Festive Evening of Music and Song" fundraiser event, Tarrytown, NY. Spoke with patients and families about current research progress	9/2014
FSH Society "Friends Supporting Hope" fundraiser event, Boston, MA. Spoke with patients and families about current research progress	10/2014

Appointed as an "Ambassador for the FSH Society" for the #CureFSHD social media awareness campaign	2015
Chris Carrino Foundation for FSHD fundraiser in Howard Beach, NY. Spoke with patients and families about current research progress	7/2015
Interview for the Washington Post on CRISPR work: How CRISPR could lead to a cure for muscular dystrophy. https://www.washingtonpost.com/news/innovations/wp/2015/11/19/how-crispr-could-lead-to-a-cure-for-muscular-dystrophy/	10/2015
Interview for the Huffington Post on CRISPR work: How controversial gene editing could lead to groundbreaking cures. http://www.huffingtonpost.com/entry/gene-editing-crispr_5655fc7fe4b072e9d1c17cb1	10/2015
Appeared in a documentary by Yahoo Sports NBA columnist Adrian Wojnarowski (Woj) for The Vertical, "Relentless voice: The fight of Chris Carrino" which is about living and working with FSHD. http://sports.yahoo.com/video/relentless-voice-fight-chris-carrino-044209793.html	1/2016
FSH Society "Boston Celtics TD Garden Event" fundraiser, Boston, MA. Brief presentation about exciting new advances in FSHD research	3/2016
Online interview with AMIS FSH, a French non-profit organization focused on FSHD, to discuss our research including CRISPR, epigenetics, and animal models of FSHD.	4/2016
Online interview with the Muscular Dystrophy Association for the inaugural World FSHD Day. https://strongly.mda.org/five-questions-with-fshd-researcher-peter-jones/	6/2016
Hosted a high school student from Notre Dame Academy in Toledo, OH for a week of professional shadowing to better understand the academic scientist profession.	7/2016
FSH Society Patient Connect meeting, Boston, MA. Hosted two forums for patients, "Therapeutic advances in FSHD" and "Ask a Scientist"	11/2016