

CURRICULUM VITAE

Dr Christopher R. Pierson

Assistant Professor, [Pathology](#)
The Ohio State University

Date: October 21, 2011

Contact Information

The Research Institute at Nationwide Children's Hospital
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Columbus, OH 43205
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Positions

Academic Appointments

September 2010 - present	Principal Investigator, Research Institute at Nationwide Children's Hospital & The Ohio State University, Center for Clinical and Translational Research. Columbus, OH, United States.
2008 - present	Faculty, Ohio State University College of Medicine, MCDB Graduate Program. Columbus, OH, United States.
August 2007 - present	Assistant Professor, The Ohio State University College of Medicine and Public Health, Department of Pathology. Columbus, OH, United States.
2007 - present	Faculty, The Ohio State University College of Medicine, Integrated Biomedical Science Graduate Program (IBGP). Columbus, OH, United States.
July 2007 - July 2010	Principal Investigator, The Research Institute at Nationwide Children's Hospital, Center for Childhood Cancer. Columbus, OH, United States.
2004 - 2007	Instructor in Pathology, Harvard Medical School, Department of Pathology. Boston, MA, United States.

Degrees

2002	Ph.D., Wayne State University School of Medicine, Pathology
1997	M.D., Wayne State University School of Medicine, Detroit Medical Center, Medicine
1993	B.S.(Honors), Michigan State University, Microbiology

Fellowships, Internship or Residency

03/04 - 06/07	Research Fellowship in Alan H. Beggs PhD Laboratory, Division of Genetics/ Program in Genomics, Children's Hospital Boston, Boston, MA, United States.
07/02 - 06/04	Neuropathology Fellowship, Brigham and Women's Hospital and Children's Hospital Boston, Boston, MA, United States.
07/97 - 06/02	Anatomic Pathology Residency in Department of Pathology, Wayne State University School of Medicine, Detroit Medical Center, Detroit, MI, United States.

Certifications

2007 - present	Ohio Medical License: State Medical Board of Ohio
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2005 Diplomat: Neuropathology, American Board of Pathology
2002 Diplomat: Anatomic Pathology, American Board of Pathology

Clinical Service

Medical

07/01/2007 - present Staff Neuropathologist. Department of Laboratory Medicine, Nationwide Children's Hospital.
06/30/2004 - 06/30/2007 Associate Pathologist. Department of Pathology, Division of Neuropathology, Children's Hospital, Boston.
06/30/2004 - 06/30/2007 Associate Pathologist. Department of Pathology, Division of Neuropathology, Brigham and Women's Hospital.

Peer-Reviewed Journal Articles

Lawlor MW, Read BP, Edelstein R, Yang N, **Pierson CR**, Stein MJ, Wermer-Colan A, Buj-Bello A, Lachey JL, Seehra JS, Beggs AH. 2011. Inhibition of activin receptor type IIB increases strength and lifespan in myotubularin deficient mice. *American Journal of Pathology*. Vol. 2, no. 178. : 784-793. (IF: 5.971)

Studebaker AW, Kreofsky CR, **Pierson CR**, Russell SJ, Galanis E, Raffel C. 2010. Treatment of medulloblastoma with a modified measles virus. *Neuro-oncology*. (October 12) (IF: 6.043)

Sima AA, **Pierson CR**, Woltjer RL, Hobson GM, Golden JA, Kupsy WJ, Schauer GM, Bird TD, Skoff RP, Garbern JY. 2009. [Neuronal loss in Pelizaeus-Merzbacher disease differs in various mutations of the proteolipid protein 1](#). *Acta Neuropathologica*. Vol. 118, no. 4. (October): 531-539. (IF: 7.695)

Buj-Bello A, Fougerousse F, Schwab Y, Messaddeq N, Spehner D, **Pierson CR**, Durand M, Kretz C, Danos O, Douar A-M, Beggs AH, Schultz P, Montus M, Denèfle P, Mandel J-L. 2008. AAV-mediated intramuscular delivery of myotubularin corrects the myotubular myopathy phenotype in targeted murine muscle and suggests a function in plasma membrane homeostasis. *Hum Mol Genet*. Vol. 17, no. 14. (July 15): 2132-2143. (IF: 7.386)

Pierson CR, Folkerth RD, Billiards SS, Trachtenberg FL, Drinkwater ME, Volpe JJ, Kinney HC. 2007. [Gray matter injury associated with periventricular leukomalacia in the premature infant](#). *Acta Neuropathologica*. Vol. 114, no. 6. (December): 619-631. (IF: 6.043)

Pierson CR, Agrawal PB, Blasko J, Beggs AH. 2007. [Myofiber size correlates with MTM1 mutation type and outcome in X-linked myotubular myopathy](#). *Neuromuscular Disorders: NMD*. Vol. 17, no. 7. (July): 562-568. (IF: 2.764)

Brown RH Jr, Grant PE, **Pierson CR**. 2006. [Case records of the Massachusetts General Hospital. Case 35-2006. A newborn boy with hypotonia](#). *The New England Journal Of Medicine*. Vol. 355, no. 20. (November 16): 2132-2142. (IF: 53.486)

KC Gorson, LS Adelman, **CR Pierson**, AH Beggs. 2006. Sporadic, Adult-Onset Nemaline Myopathy Presenting as Camptocormia (Bent-Spine Syndrome). *J Clin Neuromusc Dis*. Vol. 8, no. 1. (September): 7-11.

Sima AA, Zhang W, Li ZG, Murakawa Y, **Pierson CR**. 2004. [Molecular alterations underlie nodal and paranodal degeneration in type 1 diabetic neuropathy and are prevented by C-peptide](#). *Diabetes*. Vol. 53, no. 6. (June): 1556-1563. (IF: 8.505)

Pierson CR, Zhang W, Sima AA. 2003. [Proinsulin C-peptide replacement in type 1 diabetic BB/Wor-rats prevents deficits in nerve fiber regeneration](#). *Journal Of Neuropathology And Experimental Neurology*. Vol. 62, no. 7. (July): 765-779. (IF: 4.788)

Adsay NV, Merati K, Nassar H, Shia J, Sarkar F, **Pierson CR**, Cheng JD, Visscher DW, Hruban RH, Klimstra DS. 2003. [Pathogenesis of colloid \(pure mucinous\) carcinoma of exocrine organs: Coupling of gel-forming mucin \(MUC2\) production with altered cell polarity and abnormal cell-stroma interaction may be the key factor in the morphogenesis and indolent behavior of colloid carcinoma in the breast and pancreas](#) *The American Journal Of Surgical Pathology*. Vol. 27, no. 5. (May): 571-578. (IF: 4.589)

- Pierson CR**, Zhang W, Murakawa Y, Sima AA. 2003. [Insulin deficiency rather than hyperglycemia accounts for impaired neurotrophic responses and nerve fiber regeneration in type 1 diabetic neuropathy.](#) *Journal Of Neuropathology And Experimental Neurology*. Vol. 62, no. 3. (March): 260-271. (IF: 4.788)
- Pierson CR**, McGowen R, Grignon D, Sakr W, Dey J, Sheng S. 2002. [Maspin is up-regulated in premalignant prostate epithelia.](#) *Prostate*. Vol. 53, no. 4. (December 1): 255-262. (IF: 3.377)
- Murakawa Y, Zhang W, **Pierson CR**, Brismar T, Ostenson CG, Efendic S, Sima AA. 2002. [Impaired glucose tolerance and insulinopenia in the GK-rat causes peripheral neuropathy.](#) *Diabetes/Metabolism Research And Reviews*. Vol. 18, no. 6. (November): 473-483.
- Pierson CR**, Zhang W, Murakawa Y, Sima AA. 2002. [Early gene responses of trophic factors in nerve regeneration differ in experimental type 1 and type 2 diabetic polyneuropathies](#) *Journal Of Neuropathology And Experimental Neurology*. Vol. 61, no. 10. (October): 857-871. (IF: 4.788)
- Xu G, **Pierson CR**, Murakawa Y, Sima AA. 2002. [Altered tubulin and neurofilament expression and impaired axonal growth in diabetic nerve regeneration.](#) *Journal Of Neuropathology And Experimental Neurology*. Vol. 61, no. 2. (February): 164-175. (IF: 4.788)
- Pierson CR**, Schober MS, Wallis T, Sarkar FH, Sorensen PH, Eble JN, Srigley JR, Jones EC, Grignon DJ, Adsay V. 2001. [Mixed epithelial and stromal tumor of the kidney lacks the genetic alterations of cellular congenital mesoblastic nephroma](#) *Human Pathology*. Vol. 32, no. 5. (May): 513-520. (IF: 3.149)
- Adsay NV, **Pierson CR**, Sarkar F, Abrams J, Weaver D, Conlon KC, Brennan MF, Klimstra DS. 2001. [Colloid \(mucinous noncystic\) carcinoma of the pancreas.](#) *The American Journal Of Surgical Pathology*. Vol. 25, no. 1. (January): 26-42. (IF: 4.589)
- Adsay NV, Cheng J, **Pierson CR**, Klimstra DS. 2001. Colloid carcinoma of the pancreas. *Case Rev Surg Pathol*. Vol. 6. : 115-120.
- Zhang W, Yorek M, **Pierson CR**, Murakawa Y, Breidenbach A, Sima AA. 2001. [Human C-peptide dose dependently prevents early neuropathy in the BB/Wor-rat.](#) *International Journal Of Experimental Diabetes Research*. Vol. 2, no. 3. : 187-193.
- Pierson CR**, Sakr W, Sarkar F, Pontes JE, Crissman J, Grignon DJ. 2000. Retinoblastoma gene expression as a prognostic indicator in invasive bladder cancer. *J Urologic Pathol*. Vol. 12. : 1-12.
- Gugnani MK, **Pierson CR**, Vander Heide R, Girgis RE. 2000. Pulmonary edema complicating prostacyclin therapy in pulmonary hypertension associated with scleroderma. *Arthritis and Rheum*. Vol. 43. : 699-703. (IF: 8.435)
- Pierson CR**, Nassar H, Sakr W, Banerjee R, Grignon DJ. 1999. Primary malignant fibrous histiocytoma of the urinary bladder: a case report and review of the literature. *J Urologic Pathol*. Vol. 11. : 195-205.
- Nie D, Hillman GG, Geddes T, Tang K, **Pierson CR**, Grignon DJ, Honn KV. 1999. [Platelet-type 12-lipoxygenase regulates angiogenesis in human prostate carcinoma.](#) *Advances In Experimental Medicine And Biology*. Vol. 469. : 623-630. (IF: 1.432)
- Nie D, Hillman GG, Geddes T, Tang K, **Pierson CR**, Grignon DJ, Honn KV. 1998. [Platelet-type 12-lipoxygenase in a human prostate carcinoma stimulates angiogenesis and tumor growth.](#) *Cancer Research*. Vol. 58, no. 18. (September 15): 4047-4051. (IF: 8.438)

Reviews

- Billiards SS, **Pierson CR**, Haynes RL, Folkerth RD, Kinney HC. 2006. Is the Late Preterm Infant More Vulnerable to Gray Matter Injury than the Term Infant?. Review of *Late Preterm Gray Matter Injury*, by Billiards SS, Pierson CR, Haynes RL, Folkerth RD, Kinney HC. *Clin Perinatol*. Vol. 33, no. December 2006. (December 1): 915-933. (2.359) [Peer Reviewed] (Published)
- Pierson CR**; Tomczak K; Agrawal P; Moghadaszadeh B; Beggs AH. 2005. Review of *X-linked myotubular and centronuclear myopathies.* *Journal Of Neuropathology And Experimental Neurology*. Vol. 64, no. 7. (July): 555-564. (4.788) [Peer Reviewed]

(Published)

Chapters In Books

Pierson CR, Sima A. 2003. Metabolic Alterations in Experimental Models of Diabetic Neuropathy. In *Diabetic Neuropathy*. Edited by FA Gries, NE Cameron, PA Low, D Ziegler. Stuttgart, Germany: Thieme International. 96-105.

Abstracts and Short Entries

CR Pierson and J Rusin. 2011. Deep White Matter Venous Infarction in infants: A Neuroradiologic-Neuropathologic Correlation [Abstract]. *J Neuropathol Exp Neurol*. Vol. 70. (June): 515. [Peer Reviewed] (Published)

CR Pierson, A Dulin-Smith, A Durban, J Marshall, A Synder, J Gladman, D Chandler, A Buj-Bello, M Lawlor, J Dowling, A Beggs. 2011. Modeling the Human C205T Mutation in Murine Mtm1 Results in exon 4 Skipping and Less Severe Myotubular Myopathy Phenotype [Abstract]. *Journal of Neuropathology and Experimental Neurology*. Vol. 70. (June): 524. [Peer Reviewed] (Published)

M Lawlor, M Viola, J Widrick, R Grange, A Buj-Bello, **CR Pierson**, A Beggs. 2011. Distribution and Extent of Weakness is Dependent on Fiber Type and Mutation in Murine Models of Myotubularin Deficiency. [Abstract]. *Journal of Neuropathology and Experimental Neurology*. Vol. 70. (June): 524-525. [Peer Reviewed] (Published)

CR Pierson, AN Dulin-Smith, AN Durban, ML Marshall, JT Marshall, AD Snyder, JT Gladman, DS Chandler, A Buj-Bello, MW Lawlor, JJ. Dowling, B Kaspar, AH Beggs. 2011. Follistatin enhances muscle mass and strength in the Mtm1C205T mouse, a new model of myotubular myopathy with a milder phenotype [Abstract]: Muscular Dystrophy Association's National Scientific Conference. (March) [Peer Reviewed] (Published)

MW Lawlor, RW Grange, MG Viola, RV Edelstein, **CR Pierson**, A Buj-Bello, JL Lachey, JS Seehra, AH Beggs. 2011. Weakness and responses to treatment are dependent on fiber type in murine models of myotubularin deficiency. [Abstract]: Muscular Dystrophy Association's National Scientific Conference. (March) [Peer Reviewed] (Published)

KM Smith, **CR Pierson**, LK Rodgers. 2011. Intracortical and hippocampal oligodendrocytes are decreased in mice exposed to prenatal lipopolysaccharide and postnatal hyperoxia [Abstract] [Peer Reviewed] (Published)

KM Smith, **CR Pierson** LK Rodgers. 2011. White matter injury and impaired brain development in mice exposed to prenatal lipopolysaccharide and postnatal hyperoxia. [Abstract]. *American Academy of Pediatrics, Section on Perinatal Pediatrics, Perinatal & Developmental Medicine Symposium* [Peer Reviewed] (Published)

Pierson CR, Dulin-Smith A, Marshall M, Marshall J, Snyder A, Gladman J, Chandler D, Beggs AH. 2010. The Mtm1C205T knock-in mouse: a new model of myotubular myopathy with a mild phenotype [Abstract]. *The Ottawa Conference on New Directions in Biology and Disease of Skeletal Muscle*. (May 5) [Peer Reviewed] (Published)

Lawlor M, Grange R, Edelstein R, Shelton GD, **Pierson CR**, Tegeler C, Childers M, Beggs AH. 2010. Impaired contractile properties in myotubularin deficient mice and dogs [Abstract]. *The Ottawa Conference on New Directions in Biology and Disease of Skeletal Muscle*. (May 5) [Peer Reviewed] (Published)

Pierson CR, Dulin-Smith AN, Roth KA, Marshall MT, Naiyer N, Marshall JT, Snyder AD, Gladman JT, Chandler DS, Beggs AH. 2010. The Mtm1C205T knock-in mouse: a new model of myotubular myopathy with a mild phenotype [Abstract]. *Journal of Neuropathology and Experimental Neurology*. (May) [Peer Reviewed] (Published)

Smith KM, Boesel CP, Hughes A, **Pierson CR**. 2010. Cerebellar hemorrhagic injury in premature infants and its associated neuropathology: a clinicopathologic study of 18 cases [Abstract]. *Journal of Neuropathology and Experimental Neurology*. (May) [Peer Reviewed] (Published)

Pierson CR, Snyder AD, Houston R, Marshall JT, Kahwash BM, Dulin-Smith AN. 2010. Id proteins are differentially expressed in medulloblastoma tumor cells and endothelia [Abstract]. *Journal of Neuropathology and Experimental Neurology*. (April 4) [Peer Reviewed] (Published)

- Smith K, Boesel CP, Hughes A, **Pierson CR**. 2010. Cerebellar hemorrhagic injury in premature infants: a clinicopathologic study [Abstract]. *Pediatric Academic Societies: Pediatric Academic Societies* [Peer Reviewed] (Published)
- CR Pierson**, ET DeChene, C Kretz, J Laporte, MA Barger, AS Geggel, AH Beggs. 2007. Autosomal Centronuclear Myopathies: A Clinicopathologic Study of 16 Cases. [Abstract]. *Neuromuscular Disorders*. Vol. 17: 880. [Peer Reviewed] (Published)
- CR Pierson**, RD Folkerth, FL Trachtenberg, ME Drinkwater, JJ Volpe, HC Kinney. 2006. Substantial Gray Matter Injury is Associated with Periventricular Leukomalacia in the Premature Infant. [Abstract]. *Brain Pathology*. Vol. 16: Suppl 1, S87. [Peer Reviewed] (Published)
- CR Pierson**, J Blasko, F Shapiro, B Darras, A Buj-Bello, JL Mandel, AH Beggs. 2005. X-linked Myotubular Myopathy: A Study of Muscle Morphology in Eleven Biopsies From Ten Patients with Documented MTM1 Mutations. [Abstract]. *International Congress of Myology, Nantes, France, May 9-13, 2005* [Peer Reviewed] (Published)
- CR Pierson**, BT Darras, W Xin, U De Girolami. 2004. Late Infantile Neuronal Ceroid Lipofuscinosis Due to Heterozygous CLN2 Mutations Including a Novel T3915G Point Mutation in One Allele. [Abstract]. *Journal of Neuropathology and Experimental Neurology* [Peer Reviewed] (Published)
- CR Pierson**, K Richkind, KL Ligon, LC Goumnerova, U De Girolami. 2004. Primary Meningeal Sarcomatosis (PMS): A Case Report with Cytogenetic Findings and a Review of the Literature. [Abstract]. *Journal of Neuropathology and Experimental Neurology* [Peer Reviewed] (Published)
- CR Pierson**, RD Folkerth, RL Haynes, ME Drinkwater, HC Kinney. 2003. Gray Matter Injury in Premature Infants with or without Periventricular Leukomalacia (PVL). [Abstract]. *Journal of Neuropathology and Experimental Neurology*. Vol. 62: 159. [Peer Reviewed] (Published)
- CR Pierson**, J Garbern, JA Golden, W Kupsky, A Sima. 2002. Neuronal System Degeneration in Pelizaeus-Merzbacher Disease with PLP1 Gene Duplication. [Abstract]. *Journal of Neuropathology and Experimental Neurology*. Vol. 61: 34. [Peer Reviewed] (Published)
- A Sima, Y Murkawa, W Zhang, **CR Pierson**. 2002. Immediate Early Gene Responses and Nerve Regeneration Differ in Type 1 and Type 2 Diabetic Neuropathy. [Abstract]. *Journal of Neuropathology and Experimental Neurology*. Vol. 61: 90. [Peer Reviewed] (Published)
- CR Pierson**, W Zhang, Y Murakawa, J Wahren, A Sima. 2001. Molecular Pathology of the Node of Ranvier in Type I Diabetic Neuropathy: A Role for Insulin and C-Peptide Deficiencies? [Abstract]. *American Diabetes Association 61st Annual Meeting & Scientific Sessions, June 2001, Philadelphia, PA* [Peer Reviewed] (Published)
- A Sima, M Yorek, **CR Pierson**, Y Murakawa, A Breidenbach, W Zhang. 2001. Dose Dependent Prevention of Early Neuropathy in the BB/Wor-rat with Human C-Peptide. [Abstract]. *American Diabetes Association 61st Annual Meeting & Scientific Sessions, June 2001, Philadelphia, PA* [Peer Reviewed] (Published)
- A Sima, Y Murakawa, W Zhang, J Wahren, **CR Pierson**. 2001. Alterations in Insulin Receptor Isoform Expression in Sciatic Nerve and Dorsal Root Ganglia in Type I BB/W-, BB/W-C-Peptide Treated and Type II BB/Z-Rats. [Abstract]. *American Diabetes Association 61st Annual Meeting & Scientific Sessions, June 2001, Philadelphia, PA* [Peer Reviewed] (Published)
- CR Pierson**, R McGowen, C Butler, D Grignon, W Sakr, S Sheng. 2000. Maspin Expression as a Marker in the Progression of Prostatic Carcinoma (PC): An Immunohistochemical Study. [Abstract]. *Modern Pathology*. Vol. 13, no. 3: 111A. [Peer Reviewed] (Published)
- A Sima, K Sugimoto, W Zhang, **CR Pierson**, Y Murakawa. 2000. C-peptide Prevents Nodal and Paranodal Structural and Molecular Changes in Type I Diabetic Neuropathy. [Abstract]. *Diabetes*. Vol. Vol. 49: Suppl 1A167. [Peer Reviewed] (Published)
- N Adsay, **CR Pierson**, F Sarkar, S Zee, D Klimstra. 2000. Immunophenotypic Features of Intraductal Papillary Mucinous Neoplasms (IPMN) of the Pancreas: Comparative Immunohistochemical Analysis of Oncoprotein Expression in Various Components of IPMNs. [Abstract]. *International Journal of Pancreatology*. Vol. 28, no. 2: 103. [Peer Reviewed] (Published)

CR Pierson, T Wallis, J Eble, J Srigley, E Jones, D Grignon, N Adsay. 1999. Solid Cystic Tumor of the Kidney Lacks Cytogenetic Abnormalities Typical of Mesoblastic Nephroma. [Abstract]. *Modern Pathology*. Vol. 12, no. 1: 104A. [Peer Reviewed] (Published)

N Adsay, **CR Pierson**, F Sarkar, DS Klimstra. 1999. Invasive Mucinous Colloid-Type Adenocarcinoma of the Pancreas: A Distinct Clinicopathologic Entity. [Abstract]. *Modern Pathology*. Vol. 12, no. 1: 159A. [Peer Reviewed] (Published)

Bulletins, Technical Reports, Fact Sheets

Daas S, Dowling JJ, **Pierson CR** . 2011. *Myotubular Myopathy*. Edited by Soma Daas. Chicago, IL: GeneReviews. (Report No. GeneReview) www.genetests.org. [Peer Reviewed]

Books and Monographs

Christopher R. Pierson. 2004. *Proinsulin C-peptide Deficiency Partially Accounts for the Differences in Peripheral Nerve Regeneration Between Type 1- and Type 2- Diabetic Neuropathies*. Detroit, MI: Wayne State University.

Grants

Research Grant

Funded

07/01/2005 - 06/30/2010 Myotubular Myopathy: Molecular Genetics and Cell Therapy. NIH, NINDS.
My Role: Principal Investigator.

2008 - present ACNS0621: Cilengitide in Recurrent or Progressive and Refractory Childhood High-Grade Glioma. Children's Oncology Group.
My Role: Co-Investigator.

07/01/2008 - 06/30/2009 Administrative supplement to K08 NS049095 for high-quality low-cost monoclonal antibodies for studies of the nervous system. NIH, NINDS.
My Role: Principal Investigator.

07/01/2008 - 06/30/2009 The Identification of Myotubularin Binding Proteins Provides Insight into the Pathogenesis of X-Linked Myotubular Myopathy. Society of Pediatric Pathology.
My Role: Principal Investigator.

01/01/2009 - 12/31/2011 Follistatin Gene Therapy in Mouse Models of Myotubular Myopathy. Muscular Dystrophy Association. \$256,839.00.
My Role: Principal Investigator.

2010 - present "ACNS1021: A Phase II Study of Sunitinib in Recurrent or Progressive Tumors in Pediatric and Young Adult Patients." Children's Oncology Group. Co-Investigator.

05/01/2010 - 04/30/2011 Id Proteins in Medulloblastoma. Matthew Larson Pediatric Brain Tumor Foundation. \$75,000.00.

My Role: Principal Investigator. Date Submitted: 2010.

01/01/2011 - Neuromuscular junction transmission and myotubular myopathy. Muscular Dystrophy Association.
12/31/2013
My Role: Co-Investigator.

Pending

Date Submitted: Myotubular Myopathy: Probing Pathogenesis and Antisense Oligonucleotide Therapy. National
06/2011. Institutes of Health.
My Role: Principal Investigator.

Unfunded

2007 Newcastle Disease Virus as an Oncolytic Agent to Treat Medulloblastoma. Hope Street Kids.
My Role: Principal Investigator.

Presentations

Invited Presentations

Local

Christopher R. Pierson, Presenter. 2007. "An Introduction to Peripheral Nerve Pathology". Presented at Boston University Department of Pathology Conference. (February 2)

Christopher R. Pierson and Robert H. Brown Jr., Presenter. 2005. "A Newborn Boy with Hypotonia". Presented at Case Records of Massachusetts General Hospital. (February) [Peer Reviewed]

National

Christopher R. Pierson, Presenter. 2011. "Pediatric Brain Tumors: A COG Update for Pediatric Pathologists". Presented at Society of Pediatric Pathology, Interim Meeting. Milwaukee, WI. (October 1)

Christopher R. Pierson, Presenter. 2011. "Updating Pediatric Brain Tumors". Presented at Children's Oncology Group Fall Meeting, to COG Pathology Discipline Membership. Atlanta, GA. (September 17)

Christopher R. Pierson, Presenter. 2011. "Modeling the Human C205T Mutation in Murine Mtm1 Results in Exon 4 Skipping and a Less Severe Myotubular Myopathy Phenotype". Presented at American Association of Neuropathologists 87th Annual Meeting. Seattle, WA. (June 25) [Peer Reviewed]

Christopher Pierson, Presenter. 2010. "Cerebellar Hemorrhagic Injury in Premature Infants and its Associated Neuropathology: A Clinicopathologic study of 18 Cases". Presented at American Association of Neuropathologists 86th Annual Meeting. Philadelphia, PA. (June) [Peer Reviewed]

Christopher Pierson, Presenter. 2010. "Id Proteins are Differentially Expressed in Medulloblastoma Tumor Cells and Endothelia". Presented at American Association of Neuropathologists 86th Annual Meeting. Philadelphia, PA. (June) [Peer

Reviewed]

Christopher Pierson, Presenter. 2010. "The Mtm1C205T Knock-in Mouse: A New Model of Myotubular Myopathy with a Mild Phenotype". Presented at American Association of Neuropathologists 86th Annual Meeting. Philadelphia, PA. (June) [Peer Reviewed]

Christopher Pierson, Presenter. 2010. "Id Proteins are Differentially Expressed in Medulloblastoma Tumor Cells and Endothelia". Presented at Children's Oncology Group, Fall Meeting. Dallas, TX.

Christopher R. Pierson, Presenter. 2009. "Id Proteins in Medulloblastoma". Presented at Children's Oncology Group Fall Meeting, to Children's Oncology Group Pathology Discipline. Dallas, TX. (October)

Christopher R. Pierson, Presenter. 2009. "Muscle Biopsy Pathology in Myotubular and Centronuclear Myopathies". Presented at Myotubular Myopathy-Centronuclear Myopathy Family Conference. Houston, TX. (July 25)

Christopher R. Pierson, Presenter. 2005. "Pathology of Mitochondrial and Peroxisomal Disorders". Presented at Mini-symposium on Metabolic Diseases at the annual meeting of the American College of Veterinary Pathologists and American Society of Veterinary Clinical Pathologists. Boston, MA. (December 3)

Christopher R. Pierson, Presenter. 2004. "Merosin-deficient Congenital Muscular Dystrophy". Presented at Diagnostic Slide Session at the American Association of Neuropathologists 80th Annual Meeting. Cleveland, OH. (June) [Peer Reviewed]

Christopher Pierson, Presenter. 2003. "Gray Matter Injury in Premature Infants with or without Periventricular Leukomalacia". Presented at American Association of Neuropathologists 79th Annual Meeting. Orlando, FL. (June) [Peer Reviewed]

Christopher Pierson, Presenter. 2002. "Neuronal System Degeneration in Pelizaeus-Merzbacher Disease with PLP1 Gene Duplication". Presented at American Association of Neuropathologists, 78th Annual Meeting. Denver, CO. (June) [Peer Reviewed]

Christopher Pierson, Presenter. 2001. "Alterations in Insulin Receptor Expression in Sciatic Nerve and Dorsal Root Ganglia in Type I BB/W-, BB/W-C-peptide Treated and Type II BB/Z-rats.". Presented at American Diabetes Association 61st Annual Meeting. Philadelphia, PA. (June) [Peer Reviewed]

International

Christopher Pierson, Presenter. 2006. "Substantial Gray Matter Injury is Associated with Periventricular Leukomalacia in the Premature Infant". Presented at American Association of Neuropathologists 82nd Annual Meeting and International Society of Neuropathology. San Francisco, CA. (June) [Peer Reviewed]

Editorial Activities

Peer Ad Hoc Reviewer

2011	European Journal of Neurology. (Article)
2011	European Journal of Human Genetics. (Article)
2010	European Journal of Pediatrics. (Article)
2010	Journal of Pediatric Neurology. (Article)
2010	Neuropediatrics. (Article)
2010	Muscle Nerve. (Article)
2010	PLoS ONE. (Article)
2009	Pediatrics. (Article)
2009	Journal of Histochemistry and Cytochemistry. (Article)

2007 - 2011 Journal of Neuropathology and Experimental Neurology. (6 Publications) (Article)
2007 Brain. (Article)

Courses Taught

2011. The Ohio State University, The College of Medicine. Research 999. 18 credit hours

2011. The Ohio State University College of Medicine, Neural Science Division III. .
25% Taught: Lectured on pathology of CNS infections

2011. The Ohio State University College of Medicine, Neural Science Division IV. .
25% Taught: Lectures on Demyelinating, Degenerative and Metabolic Diseases and a clinicopathologic correlation with Dr. Joanne Lynn

2011. The Ohio State University College of Medicine, Neural Science Division I. .
25% Taught: Taught neuroanatomy laboratory sessions and a neuroanatomy based clinicopathologic correlation lecture.

2011. The Ohio State University College of Medicine, Neural Science Division II. .
25% Taught: Taught neuroanatomy laboratory sessions.

Spring 2011. The Ohio State University, Pediatrics. Research 999. 18 credit hours

2010. The Ohio State University College of Medicine, Neural Science Division II. .
25% Taught: Taught neuroanatomy laboratory sessions.

2010. The Ohio State University College of Medicine, Neural Science Division IV , 25% Taught

2010. The Ohio State University College of Medicine, Neural Science Division I , 25% Taught

Winter 2010. The Ohio State University, Pediatrics. Research 999. 18 credit hours

Spring 2010. Ohio State University College of Medicine, MCDB Graduate Program, MCDB student seminar MCDB800/890. 1 credit hours

Spring 2010. The Ohio State University, Pediatrics. Research 999. 18 credit hours

Summer 2010. The Ohio State University, Pediatrics. Research 999. 18 credit hours

Autumn 2010. The Ohio State University, Pediatrics. Research 999. 18 credit hours

2009. The Ohio State University College of Medicine, Neural Science Division II. .
25% Taught: Taught neuroanatomy laboratory sessions.

2009. The Ohio State University College of Medicine, Neural Science Division I , 25% Taught

2009. The Ohio State University College of Medicine, Neural Science Division IV. .
25% Taught: Lecture on neuropathology and did a clinicopathologic correlation lecture with Dr. Joanne Lynn.

Spring 2009. The Ohio State University, PEDIATRICS. RESEARCH 999. 8 credit hours

Summer 2009. The Ohio State University, Pediatrics. Research 999. 18 credit hours

Autumn 2009. The Ohio State University, Pediatrics. Research 999. 18 credit hours

2008. The Ohio State University College of Medicine, Neural Science Division I , 25% Taught

2008. The Ohio State University College of Medicine, Neural Science Division II. .
25% Taught: Taught neuroanatomy laboratory sessions.

Summer 2008. The Ohio State University, INTEGRATED BIOMEDICAL SCIENCE. INDIVIDUAL STUDIES 793. 7 credit hours

Other Courses Taught

Continuing Education

10/1/2011 Pediatric Brain Tumors: A COG Update for Pediatric Pathologists. United States Canadian Academy of Pathology/ Society of Pediatric Pathology (Augusta, GA) Enrollment: 140.

Administrative Service

School Activities

The Ohio State University College of Medicine

2010 Medical Student Research Scholarship Award, Reviewer.
2010 - present Neuroscience Lead.Serve.Inspire Curriculum Committee, Member.

Program Activities

Ohio State University College of Medicine, MCDB Graduate Program

2010 OSU Molecular Life Sciences Interdisciplinary Graduate Programs Symposium, Judge.
2008 OSU Molecular Life Sciences Interdisciplinary Graduate Programs Symposium, Judge.

Institute Activities

The Research Institute at Nationwide Children's Hospital

2010 - 2011 Research Information Technology Advisory Council, Active Member.
2010 - present Planning Committee for Faculty Forum and Social, Member.
2009 - 2011 Research Institute at Nationwide Children's Hospital Research Retreat, Judge.
2009 - 2010 Planning Committee for The Research Institute at Nationwide Children's Hospital Research Retreat, Member.
2008 - present Seminar Planning Committee, Member.
2007 - 2008 Search Committee for Director of Transgenic and ES Stem Cell Core, Member.
2007 Planning Committee for "Pediatric Brain Tumors: Advances in Molecular Biology, Therapies and Outcomes Conference", Member.

Campus Activities

The Ohio State University

- 2011 The Ohio State University/ Nationwide Children's Hospital Muscle Interest Group, Reviewer.
Notes: Reviewed trainee grant applications and awarded funds
- 2010 Denman Undergraduate Research Forum, 15th Annual, Judge.

Honors & Awards

- 2011 Med I/II Integrated Pathway Program Faculty Award, Neural Science, Division IV. The Ohio State University College of Medicine, Columbus, OH, United States.
Subject: Neuroanatomy and neuropathology
- 2011 Med I/II Integrated Pathway Program Faculty Recognition Award, Neural Science Division I. The Ohio State University College of Medicine, Columbus, OH, United States.
Subject: Neuroanatomy and neuropathology
- 2008 Society of Pediatric Pathology Young Investigator Award. Society of Pediatric Pathology.
2008 Young Investigator. Children's Oncology Group, Arcadia, CA, United States.
- 1999 - 2000 Fellow, Thomas C. Rumble University Fellowship (Awarded but declined). Wayne State University, Detroit, MI, United States.
- 1999 - 2000 Graduate-Professional Scholarship (Awarded but declined). Wayne State University, Detroit, MI, United States.
- 1996 Genevieve Hitchman Memorial Scholarship. Wayne State University School of Medicine, Detroit, MI, United States.
- 1994 Fellow, Medical Student Research Fellowship. Wayne State University, Detroit, MI, United States.
- 1992 Fellow, Summer Undergraduate Research Fellowship. University Of Cincinnati, Cincinnati, OH, United States.
- 1991 Overseas Study Scholarship. Michigan State University, East Lansing, MI, United States.

Memberships

- 2011 - present Member. Children's Oncology Group. Pathology Discipline Steering Committee
- January 2011 - present Member. Children's Oncology Group. Young Investigator Committee.
Notes: Serve as liaison for the Pathology Discipline to the at large Young Investigator Committee of COG.
- 2011 - present Member. Children's Oncology Group. CNS Disease Committee
- 2010 - present Active Member. International Society of Neuropathology
- 2008 - present Associate Member. Children's Oncology Group. Pathology Discipline
- 2008 - present Fellow. College of American Pathologists
- 2007 - present Active Member. American Association of Neuropathologists
- 2007 - present Active Member. Ohio Society of Pathologists
- 2007 - present Active Fellow. College of American Pathologists
- 2000 - present Active Member. United States Canadian Academy of Pathology
- 1992 - present Active Member. American Association for the Advancement of Science

Potential Publications Under Review

Pierson CR, Dulin-Smith AN, Durban AN, Marshall ML, Marshall JT, Snyder AD, Naiyer N, Gladman JT, Chandler DS, Lawlor MW, Buj-Bello A, Dowling JJ, AH Beggs. 2011 (October). Modeling the human MTM1.R69C mutation in murine Mtm1 results in exon 4 skipping and a less severe myotubular myopathy phenotype. *Human Molecular Genetics*. [Peer Reviewed] (First submission)

Bohm J, Biancalana V, DeChene ET, Bitoun M, **Pierson CR**, Schaefer E, Karasoy H, Dondaine N, Kretz C, Haumesser N, Poirson C, Toussaint A, Zanolati E, Vissing J, Witting N, Echaniz-Laguna A, Wallgren-Pettersson C, Merlini L, Oldfors A, Ousager LB, Melki J, Krause A, Jern C, Oliveira ASB, Petit F, Jacqueline A, Chaussonot A, Mowat D, Leheup B, Cristofano M, Villaverde RS, Michel F, Furby A, Ariztegui AL, Chiaie BD, Bertini E, Andoni J, Urtizbera JA, Drouin-Garraund V, et al. 2011 (October). Mutation spectrum in the large GTPase dynamin 2 and genotype/phenotype correlation in autosomal dominant

centronuclear myopathy *Human Mutation*. [Peer Reviewed] (First submission)

Dowling JJ, Joubert R, Low SE, Durban AN, Messaddeq N, Li X, Dulin-Smith AN, Snyder AD, Marshall ML, Marshall JT, Beggs AH, Buj-Bello A, **Pierson CR**. 2011 (October). Neuromuscular junction pathology and acetylcholinesterase inhibitor treatment in a mouse model of myotubular myopathy. *Science Translational Medicine*. [Peer Reviewed] (First submission)

Studebaker AW, Hutzen B, **Pierson CR**, Russell SJ, Galanis E, Raffel C. 2011 (October). Oncolytic measles virus prolongs survival in a murine model of CSF-disseminated medulloblastoma. *Neuro-oncology*. [Peer Reviewed] (Revised submission)

Professional Activities

Conference Participation

2011	Co-Chair Neuromuscular Disease Scientific Session. Moderator. 87th Annual Meeting of the American Association of Neuropathologists. Seattle, WA.
05/03/2008	The Donald Senhauser Resident Competition. Reviewer. Ohio Society of Pathologists.