

CURRICULUM VITAE

Jason A. Jarzembowski MD, PhD

**Chief, Associate Professor
Department of Pathology
Division of Administration**

OFFICE ADDRESS:

Children's Hospital
9000 W Wisconsin Ave
Milwaukee, WI 53226

CITIZENSHIP: U.S.A.

EDUCATION:

09/1990 - 06/1993 B.A., Integrated Science Program, B.A., Biology (Biochemistry &
08/1993 - 08/1998 Ph.D., Molecular and Cellular Pathology
08/1998 - 05/2002 M.D. with research honors
University of Wisconsin, Madison, WI
Medical College of Wisconsin, Milwaukee, WI
research honors
Molecular Biology), and B.A., Chemistry (Biochemistry) with
Northwestern University, Evanston, IL

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/2002 - 06/2006 Residency, Anatomic & Clinical Pathology
07/2006 - 06/2007 Fellowship, Pediatric Pathology
St. Louis, MO
St. Louis Children's Hospital & Washington University Medical Center
University of Michigan Hospital & Clinics, Ann Arbor, MI

FACULTY APPOINTMENTS:

07/01/2007 - 06/30/2014 Assistant Professor, Pathology, Pediatric Pathology, Medical College of Wisconsin,
8701 Watertown Plank Road, Milwaukee, WI 53226
07/01/2014 - Present Associate Professor, Pathology, Pediatric Pathology, Medical College of Wisconsin,
8701 Watertown Plank Road, Milwaukee, WI 53226

HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:

07/2007 - Present Program Director, Perinatal Pathology
Milwaukee, WI
Children's Hospital of Wisconsin

RESEARCH ADMINISTRATIVE APPOINTMENTS:

07/2007 - Present Associate Director, Pediatric BioBank
04/2009 - Present Institutional Responsible Investigator, Pathology
9000 - Present W. Wisconsin Ave., Milwaukee, WI 53226
Children's Hospital of Wisconsin
Children's Oncology Group - Midwest Children's Cancer Center

HOSPITAL STAFF PRIVILEGES:

07/2007 - Present Froedtert Memorial Lutheran Hospital

07/2007 - Present Children's Hospital of Wisconsin

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
Pediatric Pathology	08/2007	12/2017
Anatomic and Clinical Pathology	09/2007	12/2017
American Board of Pathology		None

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Wisconsin License		05/17/2007	10/31/2011

AWARDS AND HONORS:

1992 - Present Pew Foundation Research Fellow
1993 - Present Sigma Xi Undergraduate Research Award
1996 - Present Cremer Research Scholar, University of Wisconsin-Madison
1996 - Present National Research Service Award, National Institutes of Health
2002 - Present Armand J. Quick Award for Excellence in Biochemistry, Medical College of Wisconsin
2002 - Present Graduation with Research Honors, Medical College of Wisconsin
2006 - Present Young Investigator Research Award, Society for Pediatric Pathology
2006 - Present Clinical Pathology Resident of the Year, University of Michigan
2009 - Present Young Investigator Mentee, Children's Oncology Group

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

1997 - Present Sigma Xi Research Society (Junior Member)
1998 - 2002 American Medical Association
2000 - Present American Society for Clinical Pathology (Fellow)
2002 - Present College of American Pathologists (Fellow)
2002 - Present Society for Pediatric Pathology (Member)
2002 - Present United States & Canadian Academy of Pathology (Member)
2007 - Present Children's Oncology Group (Member)

LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

01/2008 - Present Member, Child Death Review Committee, Milwaukee County
01/2008 - Present Member, Child Fatality Review Committee, Waukesha County
01/2008 - Present Member, Fetal & Infant Mortality Review Committee, Milwaukee County
01/2008 - Present Medical Advisor, Infant Death Center of Wisconsin
01/2010 - Present Chair, Safe Sleep Working Group, Children's Hospital of Wisconsin
04/2011 - Present Member, Maternal Mortality Review Committee, State of Wisconsin

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

04/2010 - Present Member, International Neuroblastoma Pathology Committee
01/01/2012 - 12/31/2012 Member, Pathology Steering Committee, Children's Oncology Group
04/01/2012 - Present Chair, Research Committee, Society for Pediatric Pathology
01/01/2013 - Present Vice-Chair, Pathology Steering Committee, Children's Oncology Group

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title:	Human achaete-scute homolog-1 (hASH-1) expression contributes to the malignant phenotype of neuroblastic cells in neuroblastoma.
Source:	Medical College of Wisconsin
Role:	PI
PI:	Jarzembowski

Dates: 01/01/2008 - 12/31/2008
Direct Funds: \$12,500

Title: Feasibility/Phase II Study of hu14.18-IL2 immunocytokine + GM-CSF and Isotretinoin in Patients with Relapsed or Refractory Neuroblastoma
Source: National Cancer Institute
Role: Protocol Committee Member
PI: Children's Oncology Group
Dates: 11/01/2010 - Present

Title: Pilot Study Using Myeloablative Busulfan/Melphalan (BuMel) Consolidation Following Induction Chemotherapy for Patients with Newly Diagnosed High- Risk Neuroblastoma
Source: National Cancer Institute
Role: Protocol Committee Member
PI: Children's Oncology Group
Dates: 05/01/2012 - Present

Title: BH4 in hyperoxic lung injury in newborn
Source: NIH
Role: Co-Investigator
PI: Ru-Jeng Teng
Dates: 08/01/2012 - 07/31/2014
Direct Funds: \$100,000

Title: Diffusion-weighted imaging to evaluate cellularity of solid tumors in children, adolescents, and young adults
Source: MCW Cancer Center
Role: Co-Investigator
PI: Marcio Malogolowkin
Dates: 04/01/2013 - 03/31/2014
Direct Funds: \$10,000

Non-Peer Review

Title: Evaluation of inheritance patterns in synovial sarcoma
Source: Rebecca Jean Slye Grant, Children's Hospital and Health System Foundation
Role: PI
PI: Jarzembowski
Dates: 07/01/2012 - 06/30/2013
Direct Funds: \$8,520

Title: New baby kits for promotion of safe sleep and immunization practice.
Source: Children's Hospital of Wisconsin Medical Staff
Role: PI
PI: Jarzembowski
Dates: 01/01/2013 - 12/31/2013
Direct Funds: \$10,000

Prior

Peer Review

Title: Genomic and proteomic heterogeneity of neuroblastic tumor component cell types
Source: Society for Pediatric Pathology
Role: PI
PI: Jarzembowski

Dates: 07/01/2006 - 06/30/2007
Direct Funds: \$10,000

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Local

Jarzembowski JA, Neuroblastoma: A Cellular Reductionist Approach, Children's Research Institute, Milwaukee, WI, 03/2009 - Present
Jarzembowski JA, Safe Sleep: Milwaukee's Crisis and the CHHS Initiative, CHW Pediatric Grand Rounds, Milwaukee, WI, 03/23/2012 - Present

Regional

Jarzembowski JA, What Can We Learn from the Placenta?, The Healthy Babies Summit and Association of Women's Health Obstetric and Neonatal Nurses State Conference, Waukesha, WI, 10/2009 - Present
Jarzembowski JA, Classification of Infant Deaths: How It Impacts the Living, Wisconsin Association for Perinatal Care Statewide Annual Meeting, Wisconsin Dells, WI, 04/2010 - Present
Jarzembowski JA, Safe Sleep Policy: How and Why, Childhood Injury Prevention Network Webinar, 12/2010 - Present
Jarzembowski JA, Peterson B, SIDS and Sleep-Related Deaths, Wisconsin Medical Examiners & Coroners Association, Appleton, WI, 04/03/2012 - Present
Jarzembowski JA, Klingbeil C, Safe Infant Sleep Policy Development & Staff Education, Safe Sleep Summit, Wood County, WI, 04/2012 - Present
Jarzembowski JA, Infant Safe Sleep Begins in the Hospital, Wisconsin Association for Perinatal Care Statewide Annual Meeting, Waukesha, WI, 04/2013 - Present

National

Jarzembowski JA, Neuroblastoma Cell Type Heterogeneity Defined by Genomic and Proteomic Methods, Washington University in St. Louis, St. Louis, MO, 04/2005 - Present
Jarzembowski JA, Neuroblastoma: A Cellular Reductionist Approach, Young Talents of Pathology Seminar, Children's Hospital of Boston, Boston, MA, 04/2010 - Present

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

National

Jarzembowski JA, Kuick R, Opiari AW, Castle VP, Neuroblastoma cell type heterogeneity defined by genomic and proteomic methods, United States and Canadian Academy of Pathology Annual Meeting, San Antonio, TX, 02/2005 - Present
Jarzembowski JA, Hill DA, Dehner LP, Composite fibrous/myofibroblastic tumors: a subset of fibrous tumors of childhood?, Society for Pediatric Pathology Spring Meeting, San Diego, CA, 03/2007 - Present
Jarzembowski JA, Perry A, Dehner LP, Medullary renal carcinoma and malignant rhabdoid tumor share loss of INI1 expression and may be related entities., Society for Pediatric Pathology Spring Meeting, San Diego, CA, 03/2007 - Present
Jarzembowski JA, Perlman E, Dehner LP, Immunohistochemical reactivity for CD99 helps distinguish clear cell sarcoma of the kidney from other pediatric renal neoplasms, Society for Pediatric Pathology Spring Meeting, San Diego, CA, 03/2007 - Present
Jarzembowski JA, Thomas DG, Ruiz RE., Is MIB-1 proliferation index an effective substitute for mitotic-karyorrhectic index (MKI) in neuroblastoma classification?, Society for Pediatric Pathology Spring Meeting, Denver, CO, 02/2008 - Present
McKenney A, Krishnan C, Twist CJ, Jarzembowski JA, ALK expression in neuroblastic tumors does not correlate with unfavorable clinicopathologic features, Society for Pediatric Pathology / Paediatric Pathology Society of Europe Combined Meeting, Philadelphia, PA, 03/2009 - Present
Jarzembowski JA, Nicol K, Sukanuma R, Barr T, Shimada H, Digital Pathology is a Valid Surrogate for Glass Slide Microscopy in Neuroblastoma Central Case Review, Society for Pediatric Pathology Fall Meeting, Milwaukee, WI, 09/2011 - Present
Szabo S, Suchi M, Jarzembowski JA, An Evidence-Based Reassessment of the 1997 CAP Criteria for Placenta Examination, Society for Pediatric Spring Meeting, Baltimore, MD, 03/2013 - Present

COMMITTEE SERVICE:

Medical College

05/15/2010 - Present Member, Research Affairs Committee, Medical College of Wisconsin

Hospital

08/01/2009 - 12/31/2011 Member, Professional Review Committee, Children's Hospital of Wisconsin

01/01/2012 - Present Chair, Professional Review Committee, Children's Hospital of Wisconsin

MEDICAL COLLEGE TEACHING ACTIVITIES:

Medical Student Education

2008 - Present M2 Pathology Course (Traditional Curriculum) - three lectures on

2010 - Present M1 Integrated Curriculum - two sessions on GI & Abdominal

2010 - Present M1 Integrated Curriculum - two sessions on Early Development

2010 - Present M1 Integrated Curriculum - one mini-session on placental

2010 - Present M2 Pathology Course (Traditional Curriculum) - one lecture on
Koduri.

pathology in conjunction with Drs. David Bolender and Sumana
Winthrop and Michele Battle.

Wall Development (GI Unit) in conjunction with Drs. Andrea
(General Principles) in conjunction with Dr. David Bolender.

congenital heart disease per year.

fetal and infant pathology per year.

Resident and Fellow Education

07/2007 - Present Occasional lectures and slide sessions for pathology

07/2010 - Present Monthly pathology teaching sessions for pediatric interns.
residents.

EXTRAMURAL TEACHING:

Resident and Fellow Education

2005 - 2006 Falcon Board Review Courses, Dallas, TX.

EXTRAMURAL STUDENTS, FACULTY, RESIDENTS, AND CLINICAL/RESEARCH FELLOWS

MENTORED:

Undergraduate Students

- 2010 Summer 2010 & 2011 SPUR Program Advisor

Medical Students

Mary Hunnewell 09/2009 - present Pathway advisor, research mentor

Matthew Armfield 06/2008-08/2009 Summer research mentor

Residents

Research Mentorship, 2008 - 2009 (intermittent).

Fellows

Shawn Reese (Neonatology) 06/2010-present Advisory Committee Member

Dr. B.J. Rimel, Gynecologic Oncology Fellow, Washington University School of Medicine

James Vaughan (Pathology) 01/2008-present Research project

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Rajagopalan LE, Westmark CJ, **Jarzembowski JA**, Malter JS. (1998) hnRNP C and nucleolin increase amyloid precursor protein production by stabilizing APP mRNA. Nucl Acids Res 1998;26(14):3418-3423.

2. Esnault SJ, **Jarzembowski JA**, Malter JS. Stabilization of granulocyte-macrophage colony-stimulating factor RNA in a human eosinophil-like cell line requires the AUUUA motifs. *Proc Assoc Am Phys* 1998;110(6):575-584.
3. Ruth JH, Esnault SJ, **Jarzembowski JA**, Malter JS. Calcium ionophore upregulation of AUUUA-specific binding protein activity is contemporaneous with granulocyte-macrophage colony-stimulating factor messenger RNA stabilization in AML14.3D10 cells. *Am J Resp Cell Mol Biol* 1999;21(5):621-628.
4. **Jarzembowski JA**, Rajagopalan LE, Shin HC, Malter JS. The 5'-untranslated region of GM-CSF mRNA suppresses translational repression mediated by the 3' adenosine-uridine-rich element and the poly(A) tail. *Nucl Acids Res* 1999;27(18):3660-3666.
5. **Jarzembowski JA**, McHugh JM, Lieberman RW. Polarizing placental particles: a case study and brief review of the literature. *Arch Pathol Lab Med* 2004;128(6):675-677.
6. **Jarzembowski JA**, Lieberman RW. Pediatric sex cord-stromal tumor with composite morphology: a case report. *Pediatr Dev Pathol* 2005;8(6):680-68.
7. **Jarzembowski JA**, Ruiz RE. Squamous cell carcinoma arising in a pediatric intra- and paravertebral teratoma. *Pediatr Dev Pathol* 2006;9:328-331.
8. Akers AY, **Jarzembowski JA**, Johnson C, Lieberman RW, Dalton VK. Examining the relationship between positive mid-gestational fetal fibronectin assays and acute histologic placental inflammation at delivery. *J Perinatal Med* 2007;35:36-42.
9. Martin DT, Gendron RL, **Jarzembowski JA**, Perry A, Collins MH, Pushpanathan C, Miskiewicz E, Castle VP, Paradis H. Tubedown expression correlates with the differentiation status and aggressiveness of neuroblastic tumors. *Clin Cancer Res* 2007;13(5):1480-1487.
10. **Jarzembowski JA**. Anaplastic large cell lymphoma: looks can be deceiving. *Pediatr Dev Pathol* 2007;10:169-171.
11. **Jarzembowski JA**, Lloyd RV, McKeever PA. Type IV collagen immunostaining is a simple, reliable diagnostic tool for distinguishing between adenomatous and normal pituitary glands. *Arch Pathol Lab Med* 2007;131:931-935.
12. Subramanian C, **Jarzembowski JA**, Opipari Jr AW, Castle VP, Kwok RPS. CREB-binding protein is a mediator of neuroblastoma cell death induced by the histone deacetylase inhibitor trichostatin A. *Neoplasia* 2007;9(6):495-503.
13. Wu AJ, **Jarzembowski JA**, Morag Y, Lucas DR. Wagner-Meissner neurilemmoma of the right cheek. *Ann Diag Pathol* 2008;12(3):204-207.
14. Hill DA, **Jarzembowski JA**, Priest JR, Williams G, Schoettler P, Dehner LP. Type I pleuropulmonary blastoma: pathology and biology study of 51 cases from the international pleuropulmonary blastoma registry. *Am J Surg Pathol* 2008;32(2):282-295.
15. Chamdin A, **Jarzembowski JA**, Subramanian C, Kuick R, Lee JS, Kwok RP, Castle VP, Opipari AW. Bcl6 is expressed in neuroblastoma: tumor cell type-specific expression predicts outcome. *Transl Oncol*. 2009 Aug 18;2(3):128-137. PMID: PMC2730138
16. Garcia J, Faca V, **Jarzembowski J**, Zhang Q, Park J, Hanash S. Comprehensive profiling of the cell surface proteome of SY5Y neuroblastoma cells yields a subset of proteins associated with tumor differentiation. *J Proteome Res*. 2009 Aug;8(8):3791-3796.
17. Hill DA, Ivanovich J, Priest JR, Gurnett CA, Dehner LP, Desruiiseau D, **Jarzembowski JA**, Wikenheiser-Brokamp KA, Suarez BK, Whelan AJ, Williams G, Bracamontes D, Messinger Y, Goodfellow PJ. DICER1 mutations in familial pleuropulmonary blastoma. *Science* 2009;325(5943):965.
18. Dishop MK, McKay EM, Kreiger PA, Priest JR, Williams GM, Langston C, **Jarzembowski J**, Suchi M, Dehner LP, Hill DA. Fetal lung interstitial tumor (FLIT): A proposed newly recognized lung tumor of infancy to be differentiated from cystic pleuropulmonary blastoma and other developmental pulmonary lesions. *Am J Surg Pathol*. 2010 Dec;34(12):1762-72.
19. Wang W, Xu H, Shi Y, Nandedkar S, Zhang H, Gao H, Feroah T, Weihrauch D, Schulte ML, Jones W, **Jarzembowski J**, Sorci-Thomas M, Pritchard KA. Genetic deletion of apolipoprotein A-1 increases airway hyperresponsiveness, inflammation, and collagen deposition in the lung. *J Lipid Res*. 2010 Sep;51(9):2560-70.
20. Buesing KL, Densmore JC, Kaul S, Pritchard KA, **Jarzembowski JA**, Gourlay DM, Oldham KT. Endothelial microparticles induce inflammatory changes in acute lung injury. *J Surg Res*. 2011 Mar;166(1):32-9.
21. Subramanian C, **Jarzembowski JA**, Halsey SM, Kuick R, Opipari AW, Castle VP, Kwok RPS. Clusterin blocks HDACI-mediated killing in neuroblastoma. *Tumour Biol*. 2011 Apr;32(2):285-94.

22. Goh V, Helbling D, Biank V, **Jarzembowski J**, Dimmock D. Next generation sequencing facilitates the diagnosis in a child with TWINKLE mutations causing cholestatic liver failure. *J. Pediatr Gastroenterol & Nutr*, in press.
23. Subramanian C, **Jarzembowski JA**, Opipari, Jr AW, Castle VP, Kwok RPS. HDAC6 deacetylates Ku70 and regulates Ku70-Bax binding in neuroblastoma. *Neoplasia*, in press.
24. Rajagopalan LE, Westmark CJ, **Jarzembowski JA**, Malter JS. hnRNP C increases amyloid precursor protein (APP) production by stabilizing APP mRNA. *Nucleic Acids Res*. 1998 Jul 15;26(14):3418-23. PMID: PMC147701
25. Esnault S, **Jarzembowski JA**, Malter JS. Stabilization of granulocyte-macrophage colony-stimulating factor RNA in a human eosinophil-like cell line requires the AUUUA motifs. *Proc Assoc Am Physicians*. 1998 Nov-Dec;110(6):575-84.
26. **Jarzembowski JA**, Rajagopalan LE, Shin HC, Malter JS. The 5'-untranslated region of GM-CSF mRNA suppresses translational repression mediated by the 3' adenosine-uridine-rich element and the poly(A) tail. *Nucleic Acids Res*. 1999 Sep 15;27(18):3660-6. PMID: PMC148620
27. Ruth JH, Esnault S, **Jarzembowski JA**, Malter JS. Calcium ionophore upregulation of AUUUA-specific binding protein activity is contemporaneous with granulocyte macrophage colony-stimulating factor messenger RNA stabilization in AML14.3D10 cells. *Am J Respir Cell Mol Biol*. 1999 Nov;21(5):621-8.
28. **Jarzembowski JA**, McHugh J, Lieberman RW. Polarizable placental particles: a case study and brief review of the literature. *Arch Pathol Lab Med*. 2004 Jun;128(6):675-7.
29. **Jarzembowski JA**, Lieberman RW. Pediatric sex cord-stromal tumor with composite morphology: a case report. *Pediatr Dev Pathol*. 2005 Nov-Dec;8(6):680-4.
30. **Jarzembowski JA**, Ruiz RE. Squamous cell carcinoma arising in a pediatric intra- and paravertebral teratoma. *Pediatr Dev Pathol*. 2006 Jul-Aug;9(4):328-31.
31. Akers A, **Jarzembowski JA**, Johnson CT, Lieberman RW, Dalton VK. Examining the relationship between positive mid-gestational fetal fibronectin assays and histological evidence of acute placental inflammation. *J Perinat Med*. 2007;35(1):36-42.
32. Martin DT, Gendron RL, **Jarzembowski JA**, Perry A, Collins MH, Pushpanathan C, Miskiewicz E, Castle VP, Paradis H. Tubedown expression correlates with the differentiation status and aggressiveness of neuroblastic tumors. *Clin Cancer Res*. 2007 Mar 1;13(5):1480-7.
33. **Jarzembowski J**, Lloyd R, McKeever P. Type IV collagen immunostaining is a simple, reliable diagnostic tool for distinguishing between adenomatous and normal pituitary glands. *Arch Pathol Lab Med*. 2007 Jun;131(6):931-5.
34. Subramanian C, **Jarzembowski JA**, Opipari AW Jr, Castle VP, Kwok RP. CREB-binding protein is a mediator of neuroblastoma cell death induced by the histone deacetylase inhibitor trichostatin A. *Neoplasia*. 2007 Jun;9(6):495-503. PMID: PMC1899529
35. Hill DA, **Jarzembowski JA**, Priest JR, Williams G, Schoettler P, Dehner LP. Type I pleuropulmonary blastoma: pathology and biology study of 51 cases from the international pleuropulmonary blastoma registry. *Am J Surg Pathol*. 2008 Feb;32(2):282-95.
36. Wu AJ, **Jarzembowski J**, Morag Y, Lucas DR. Wagner-Meissner neurilemmoma of the right cheek. *Ann Diagn Pathol*. 2008 Jun;12(3):204-7.
37. Garcia J, Faca V, **Jarzembowski J**, Zhang Q, Park J, Hanash S. Comprehensive profiling of the cell surface proteome of Sy5Y neuroblastoma cells yields a subset of proteins associated with tumor differentiation. *J Proteome Res*. 2009 Aug;8(8):3791-6.
38. Hill DA, Ivanovich J, Priest JR, Gurnett CA, Dehner LP, Desruisseau D, **Jarzembowski JA**, Wikenheiser-Brokamp KA, Suarez BK, Whelan AJ, Williams G, Bracamontes D, Messinger Y, Goodfellow PJ. DICER1 mutations in familial pleuropulmonary blastoma. *Science*. 2009 Aug 21;325(5943):965. PMID: PMC3098036
39. Chamdin A, **Jarzembowski JA**, Subramanian C, Kuick R, Lee JS, Kwok RP, Castle VP, Opipari AW. Bcl6 is expressed in neuroblastoma: tumor cell type-specific expression predicts outcome. *Transl Oncol*. 2009 Aug 18;2(3):128-37. PMID: PMC2730138
40. Wang W, Xu H, Shi Y, Nandedkar S, Zhang H, Gao H, Feroah T, Weihrauch D, Schulte ML, Jones DW, **Jarzembowski J**, Sorci-Thomas M, Pritchard KA Jr. Genetic deletion of apolipoprotein A-I increases airway hyperresponsiveness, inflammation, and collagen deposition in the lung. *J Lipid Res*. 2010 Sep;51(9):2560-70. PMID: PMC2918439
41. Buesing KL, Densmore JC, Kaul S, Pritchard KA Jr, **Jarzembowski JA**, Gourlay DM, Oldham KT. Endothelial microparticles induce inflammation in acute lung injury. *J Surg Res*. 2011

- Mar;166(1):32-9. PMID: PMC4731030
42. Subramanian C, **Jarzembowski JA**, Halsey SM, Kuick R, Opiari AW Jr, Castle VP, Kwok RP. CLU blocks HDACI-mediated killing of neuroblastoma. *Tumour Biol.* 2011 Apr;32(2):285-94. PMID: PMC3041908
 43. Dishop MK, McKay EM, Kreiger PA, Priest JR, Williams GM, Langston C, **Jarzembowski J**, Suchi M, Dehner LP, Hill DA. Fetal lung interstitial tumor (FLIT): A proposed newly recognized lung tumor of infancy to be differentiated from cystic pleuropulmonary blastoma and other developmental pulmonary lesions. *Am J Surg Pathol.* 2010 Dec;34(12):1762-72.
 44. Goh V, Helbling D, Biank V, **Jarzembowski J**, Dimmock D. Next-generation sequencing facilitates the diagnosis in a child with twinkle mutations causing cholestatic liver failure. *J Pediatr Gastroenterol Nutr.* 2012 Feb;54(2):291-4.
 45. Subramanian C, **Jarzembowski JA**, Opiari AW Jr, Castle VP, Kwok RP. HDAC6 deacetylates Ku70 and regulates Ku70-Bax binding in neuroblastoma. *Neoplasia.* 2011 Aug;13(8):726-34. PMID: PMC3156663
 46. Dehner LP, **Jarzembowski JA**, Hill DA. Embryonal rhabdomyosarcoma of the uterine cervix: a report of 14 cases and a discussion of its unusual clinicopathological associations. *Mod Pathol.* 2012 Apr;25(4):602-14. PMID: PMC5031244
 47. Doros L, Yang J, Dehner L, Rossi CT, Skiver K, **Jarzembowski JA**, Messinger Y, Schultz KA, Williams G, André N, Hill DA. DICER1 mutations in embryonal rhabdomyosarcomas from children with and without familial PPB-tumor predisposition syndrome. *Pediatr Blood Cancer.* 2012 Sep;59(3):558-60. PMID: PMC3708486
 48. Sukanuma R, Wang LL, Sano H, Naranjo A, London WB, Seeger RC, Hogarty MD, Gastier-Foster JM, Look AT, Park JR, Maris JM, Cohn SL, Amann G, Beiske K, Cullinane CJ, d'Amore ES, Gambini C, **Jarzembowski JA**, Joshi VV, Navarro S, Peuchmaur M, Shimada H. Peripheral neuroblastic tumors with genotype-phenotype discordance: a report from the Children's Oncology Group and the International Neuroblastoma Pathology Committee. *Pediatr Blood Cancer.* 2013 Mar;60(3):363-70. PMID: PMC3397468

Books, Chapters, and Reviews

1. **Jarzembowski JA**, Hill DA. Molecular techniques in pediatric pathology. In: Stocker JT, Dehner LP, Husain A, eds. *Pediatric Pathology*, 3rd ed., book in press.
2. **Jarzembowski JA**, White FV. Pediatric renal neoplasms. In: Humphrey PA, Dehner LP, Pfeifer JD, eds. *Washington University Manual of Surgical Pathology*. Lippincott Williams & Wilkins: Philadelphia, 2008.
3. **Jarzembowski JA**, McKeever PE. The pathologic perspective on the pituitary. *Rev Endocrinol* 2008;March:30-35.
4. **Jarzembowski JA**, Young MH. Nontuberculous mycobacterial infections. *Arch Pathol Lab Med* 2008;132(8):1333-1341.
5. **Jarzembowski JA**, Malter JS. Identification and characterization of AU-binding proteins. In: Jeanteur P, ed. *Cytoplasmic Fate of Eukaryotic mRNA, Progress in Subcellular and Molecular Biology*, Vol 18. Berlin:Springer-Verlag;1997:141-172.
6. **Jarzembowski JA**, Malter JS. Cytoplasmic fate of eukaryotic mRNA: identification and characterization of AU-binding proteins. *Prog Mol Subcell Biol.* 1997;18:141-72.
7. **Jarzembowski JA**, Young MB. Nontuberculous mycobacterial infections. *Arch Pathol Lab Med.* 2008 Aug;132(8):1333-41.
8. **Jarzembowski J** Genetic Disorders and the Fetus: Diagnosis, Prevention, and Treatment Genetic Disorders and the Fetus: Diagnosis, Prevention, and Treatment . A. Milunsky , J. M. Milunsky . Wiley-Blackwell . Hoboken, NJ . 2010 . 1171 pp., hardcover, including images, tables, and color plates . *Pediatr Dev Pathol.* 2011 Jan-Feb;14(1):84

Editorials, Letters to Editor, Other

1. Dehner LP, Dishop MK, Priest JR, **Jarzembowski J**, Hill DA. A diagnosis of "Fetal Lung Interstitial Tumor" (FLIT) requires a FISH negative for trisomies 8 and 2. [letter] *Am J Surg Pathol*, in press.
2. **Jarzembowski JA**, Lal DR, Shimada H. Re: Needle core vs open biopsy for diagnosis of intermediate- and high-risk neuroblastoma in children. *J Pediatr Surg.* 2012 Nov;47(11):2162-3; author reply 2163-5.
3. **Jarzembowski JA**, Hicks MJ. Pediatric autopsy consent: helping families create hope out of despair. *Pediatr Blood Cancer.* 2013 Feb;60(2):173-4.

4. Dehner LP et al. In response. *Am J Surg Pathol*. 2011 Jul;35(7):1086-7
5. **Jarzembowski JA**. Anaplastic large cell lymphoma: looks can be deceiving. *Pediatr Dev Pathol*. 2007 May-Jun;10(3):169-71.
6. Rymaszewski AL, Tate E, Yimbessalu JP, Gelman AE, **Jarzembowski JA**, Zhang H, Pritchard KA Jr, Vikis HG. The role of neutrophil myeloperoxidase in models of lung tumor development. *Cancers (Basel)*. 2014;6(2):1111-27. PMID: PMC4074819
7. **Jarzembowski J** *Pediatric Malignancies: Pathology and Imaging Pediatric Malignancies: Pathology and Imaging*. D.M. Parham, J.D. Khoury, and M.B. McCarville, editors. Springer, New York, NY, 2015, ISBN 978-1-4939-1728-0, \$179.00, 429 pp., hardcover; ISBN 978-1-4939-1729-7, \$139, e-book. *Pediatr Dev Pathol*. 2015 Sep-Oct;18(5):427-8
8. Karody V, Reese S, Kumar N, Liedel J, **Jarzembowski J**, Sampath V. A toll-like receptor 9 (rs352140) variant is associated with placental inflammation in newborn infants. *J Matern Fetal Neonatal Med*. 2016;29(13):2210-6.
9. Parsons LN, Gheorghe G, Yan K, Simpson P, **Jarzembowski JA**. Improving Detection of Metastatic Neuroblastoma in Bone Marrow Core Biopsies: A Proposed Immunohistochemical Approach. *Pediatr Dev Pathol*. 2016 May-Jun;19(3):230-6.
10. Bennett B, Helbling D, Meng H, **Jarzembowski J**, Geurts AM, Friederich MW, Van Hove JL, Lawlor MW, Dimmock DP. Potentially diagnostic electron paramagnetic resonance spectra elucidate the underlying mechanism of mitochondrial dysfunction in the deoxyguanosine kinase deficient rat model of a genetic mitochondrial DNA depletion syndrome. *Free Radic Biol Med*. 2016 Mar;92:141-51. PMID: PMC5047058
11. Parsons L, **Jarzembowski J**. Author's Reply. *Pediatr Dev Pathol*. 2016 May-Jun;19(3):256-7.
12. Parsons LN, Gheorghe G, Yan K, Simpson P, **Jarzembowski JA**. An evidence-based recommendation for a standardized approach to detecting metastatic neuroblastoma in staging bone marrow biopsies. *Pediatr Dev Pathol*. 2016 Mar 28:.
13. Kumar N, Nandula P, Menden H, **Jarzembowski J**, Sampath V. Placental TLR/NLR expression signatures are altered with gestational age and inflammation. *J Matern Fetal Neonatal Med*. 2016 Jul 20:1-21.
14. Kelly TG, Hong S, **Jarzembowski J**, Beste D. Infant with nasolacrimal sinonasal myxoma: Diffusion MRI features. *Radiol Case Rep*. 2015;10(2):1104. PMID: PMC4921178