

THOMAS DAVID BOURNE, M.D.
CURRICULUM VITAE

BIOGRAPHICAL

Name: Thomas David Bourne
Address: Arkana Laboratories
10810 Executive Center Dr., Suite 100
Little Rock, AR 72211
Telephone: 501-604-2695
Fax: 501-604-2699
Email: david.bourne@arkanalabs.com
Citizenship: United States

POSITIONS HELD

April 2016-Present
Staff Pathologist (Renal Pathology and Neuropathology)
Arkana Laboratories
Little Rock, AR

July 2013-April 2016
Staff Pathologist
Norton Healthcare System
Louisville, KY

January 2010-June 2013
Assistant Professor (Renal Pathology, Neuropathology, Surgical Pathology)
Department of Pathology
University of Virginia
Charlottesville, VA

July 2008-December 2009
Clinical Instructor (Renal Pathology, Neuropathology, Surgical Pathology)
Department of Pathology
University of Virginia
Charlottesville, VA

EDUCATION and TRAINING

POSTGRADUATE

July 2004-June 2005, July 2007-June 2008
Fellowship Training in Neuropathology
University of Virginia
Charlottesville, VA

July 2001-June 2004, July 2005-June 2007
Residency Training in Anatomic and Clinical Pathology
Chief Resident (Clinical Pathology 2005-2006)
Chief Resident (Anatomic Pathology 2006-2007)
University of Virginia
Charlottesville, VA

GRADUATE

June 2001

M.D., University of Texas Medical School
Houston, TX

UNDERGRADUATE

May 1995

B.S., College of William and Mary
Williamsburg, VA

BOARD CERTIFICATION

September 2009

Certification in Neuropathology (Subspecialty)

July 2008

Certification in Anatomic and Clinical Pathology (Specialty)

MEMBERSHIPS in PROFESSIONAL SOCIETIES

College of American Pathologists

United States and Canadian Academy of Pathology

American Association of Neuropathologists

HONORS

May 1995

Phi Beta Kappa

Magna Cum Laude

College of William and Mary

PUBLICATIONS

Shields LB, Shelton BJ, Shearer AJ, Chen L, Sun DA, Parsons S, **Bourne TD**, LaRocca R, Spalding AC. Dexamethasone administration during definitive radiation and temozolomide renders a poor prognosis in a retrospective analysis of newly diagnosed glioblastoma patients. *Radiat Oncol*. 2015 Oct 31;10(1):222.

Raghavan P, Looby S, **Bourne TD**, Wintermark M. Cerebral amyloid angiopathy-related inflammation: A potentially reversible cause of dementia with characteristic imaging findings. *J Neuroradiol*. 2015 Oct 12.

Bourne TD, Karcioğlu Z. "Orbital Biopsy." *Orbital Tumors*. Ed. Zeynel Karcioğlu. Springer, 2015. pp. 121-143.

Shah A, **Bourne TD**, Murali R. BAP1 protein loss by immunohistochemistry: a potentially useful tool for prognostic prediction in patients with uveal melanoma. *Pathology*. 2013 Dec;45(7):651-6.

Williams BJ, Raper DM, Godbout E, **Bourne TD**, Prevedello DM, Kassam AB, Park DM. Diagnosis and treatment of chordoma. *J Natl Compr Canc Netw*. 2013 Jun 1;11(6):726-31.

Okafur C, **Bourne TD**, et al. An unusual case of anti-glomerular basement membrane disease presenting with nephrotic syndrome. *Int Urol Nephrol*. 2011 Dec; 43(4):1249-53.

Bourne TD, Schiff D. Update on molecular findings, management, and outcome in low-grade gliomas. *Nature Reviews-Neurology* 2010; Dec 6(12):695-701.

Bourne TD, Elias WJ, Mandell JW, Lopes MB. WT1 Does Not Reliably Distinguish Reactive From Neoplastic Astrocyte Populations. *Brain Pathology* 2010; Nov 20(6):1090-1095.

Jagannathan J, **Bourne TD**, Schlesinger D, Yen CP, Shaffrey ME, Laws ER, Sheehan JP. Clinical and Pathological Characteristics of Brain Metastases Resected After Failed Radiosurgery. *Neurosurgery* 2010; Jan 66(1):208-217.

Gaughan J, **Bourne TD**, Aregawi D, Shah L. Focal Neuronal Gigantism: A Rare Complication of Therapeutic Irradiation. *American Journal of Neuroradiology* 2009; Nov 30(10): 1933-1935.

Houston SK, **Bourne TD**, Lopes MB, Ghazi N. Bilateral Massive Retinal Gliosis Associated with Retinopathy of Prematurity. *Archives of Pathology and Laboratory Medicine* 2009; 133(8):1242-1245.

Jeffus SK, **Bourne TD**, Lopes MB. A 58-Year-Old Woman With A Corpus Callosum Nodule At Autopsy. *Brain Pathology* 2009; 19(4):743-744.

Mandell JW, Locke CN, Glass G, Gianchandani EP, **Bourne TD**, Schiff D, Amos S, Papin JA. Dephosphorylation of β -arrestin 1 in high grade gliomas. *Journal of Neuropathology and Experimental Neurology* 2009; 68(5):535-541.

Bellizzi AM, **Bourne TD**, Mills SE, Stelow EB. The cytologic features of sinonasal undifferentiated carcinoma and olfactory neuroblastoma. *American Journal of Clinical Pathology* 2008; Mar 129(3):367-76.

Bourne TD, Bellizzi AM, Stelow EB, Loy AH, Levine PA, Wick MR, Mills SE. p63 and EGFR Expression in Olfactory Neuroblastoma and Other Tumors of the Sinonasal Tract. *American Journal of Clinical Pathology* 2008; Aug 130(2):213-8.

Dimberg EL, Crowe SE, Trugman JM, Swerdlow RH, Lopes MB, **Bourne TD**, Burns TM. Fatal encephalitis in a patient with refractory celiac disease presenting with myorhythmia and carpal spasm. *Movement Disorders* 2007; Feb 22(3):407-11.

Mut M, Shaffrey ME, **Bourne TD**, Jagannathan J, Shaffrey CI. Unusual presentation of an adult intramedullary spinal teratoma with diplomyelia. *Surgical Neurology* 2007; Feb 67(2):190-4.

Bourne TD, Mandell JW, Matsumoto JA, Jane JA Jr, Lopes MB. Primary disseminated leptomeningeal oligodendroglioma with 1p deletion. Case report. *Journal of Neurosurgery* 2006; Dec 105(6 Suppl):465-9.

Hamilton DK, **Bourne TD**, Ahmed H, Cousar JB, Mandell JW, Sheehan JP. Follicular lymphoma of the dura: case report. *Neurosurgery* 2006; Sep 59(3):E703-4; Discussion E703-4.

Mahadevan MS, Yadava RS, Yu Q, Balijepalli S, Frenzel-McCardell CD, **Bourne TD**, Phillips LH. Reversible model of RNA toxicity and cardiac conduction defects in myotonic dystrophy. *Nature Genetics* 2006; Sep 38(9):1066-70.

Wick MR, **Bourne TD**, Patterson JW, Mills SE. Evidence-based principles and practices in pathology: selected problem areas. *Seminars in Diagnostic Pathology* 2005; May 22(2):116-25. Review.

PRESENTATIONS

Bourne TD. Neoplastic mimics in central nervous system pathology. Department of Pathology. Baylor College of Medicine. October 30, 2015. Houston, TX.

Bourne TD. Reactive versus neoplastic astrocyte populations in central nervous system disease. 38th Annual Symposium – Kentucky Society of Histotechnology. February 28, 2014. Louisville, KY.

Bourne TD, Shiple D, Olsakovsky L. Cross-sectional versus flat-mount DSAEK specimen preparations: quantitative differences and association with visual acuity. Platform presentation. June 23, 2012. 88th Annual Meeting of the American Association of Neuropathologists. Chicago, IL.

Mohila C, **Bourne TD**. Anti-Yo-Associated Paraneoplastic Cerebellar Degeneration without Associated Malignancy. Poster presentation. June, 2011. 87th Annual Meeting of the American Association of Neuropathologists. Seattle, WA.

Bourne TD, Elias WJ, Mandell JW, Lopes MB. WT1 Does Not Reliably Distinguish Reactive From Neoplastic Astrocyte Populations. *Poster presentation at the 2009 meeting of the American Association of Neuropathologists. San Antonio, TX. June 11-14, 2009.*

Bourne TD, Mandell JW, Lopes MB. Focal Neuronal Gigantism: A Rare Complication of Therapeutic Irradiation. *Platform Case Presentation at the 2009 Diagnostic Slide Session, American Association of Neuropathologists. San Antonio, TX. June 11-14, 2009.*

Bourne TD, Glass G, Gianchandani E, Locke C, Papin JA, Amos S, Mandell JW. Expression and Phosphorylation Status of Beta-Arrestin-1 In Normal, Reactive, and Neoplastic Human Brain. *Poster presentation at the 2008 meeting of the American Association of Neuropathologists. San Diego, CA. April, 2008.*

Bourne TD, Loy A, Mills SE, Wick MR. Potential Prognostic Indicators in Olfactory Neuroblastoma. Poster presentation at the *University of Virginia 1st Annual Pathology Research Retreat* (Charlottesville, VA; September 2004).

Bourne TD, Mandell JW, Matsumoto JA, Lopes MB. Primary Leptomeningeal Oligodendroglioma with Chromosome 1p Deletion: A Case Report and Review of the Literature. Poster presentations at the *American Association of Neuropathologists Annual Meeting* (Arlington, VA; April 2004) and the *University of Virginia 2nd Annual Pathology Research Retreat* (Charlottesville, VA; November 2005).