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**Education**

- 7/1999-7/2000** University of Melbourne, Austin and Repatriation Medical Centre, Department of Neurosurgery clinical and research fellow in epilepsy surgery
- 7/1997-7/1999** McGill University, Montreal Neurological Institute, clinical and research fellow in epilepsy and functional neurosurgery
- 7/1992-7/1997** University of Kentucky Medical Center, neurosurgical residency
- 7/1991-7/1992** University of Kentucky Medical Center, surgical internship
- 7/1987-5/1991** Texas Tech University Health Science Center, School of Medicine, Summa cum Laude, MD
- 7/1985-2/1986** Baylor College of Dentistry, Dallas, TX
- 9/1981-5/1985** Austin College, Sherman, TX, Bachelor of Arts, concentrating in biology

**Academic Appointments**

- 04/2016-Present** Professor and Chairman, Department of Neurosurgery, Loma Linda University Health
- 2013 - Present** Professor of Neurology and Neuroscience in the Department of Neurology, Psychology and Neuro-rehabilitation Beijing Children's Hospital, Capitol Medical University
- 2013-2016** Interim Chairman, Department of Neurosurgery, University of Louisville
- 2011-2016** Professor, Associate Program Director, Department of Neurosurgery, University of Louisville
- 2011-2016** Director, Section of Surgical Neuro-oncology, Department of Neurosurgery, University of Louisville
- 2011-2016** Director, Section of Surgery for Epilepsy, Department of Neurosurgery, University of Louisville
- 2009-2016** Associate Professor of Surgery and Principal Fellow, The University of Melbourne, Faculty of Medicine, Dentistry & Health Sciences
- 2008-2009** Director of Gamma Knife Radiosurgery Program, West Virginia University and Robert C. Byrd Health Sciences Center
- 2004-2009** Director, Imaging and Image Guidance Laboratory, Departments of Neurosurgery and Radiology, Center for Advanced Imaging
- 2004-2009** Associate Professor, Department of Neurosurgery, West Virginia University and Robert C. Byrd Health Sciences Center
- 2002-2009** Director Section of Surgery for Epilepsy, Department of Neurosurgery, West Virginia University and Robert C. Byrd Health Sciences Center

<b>2002-2009</b>	Research Scientist, Center for Advanced Imaging, Department of Radiology, West Virginia University and Robert C. Byrd Health Sciences Center
<b>2002-2004</b>	Assistant Professor, Department of Neurosurgery, West Virginia University and Robert C. Byrd Health Sciences Center
<b>2000-2002</b>	Assistant Professor, Department of Neurology and Neurosurgery, McGill University and Montreal Neurological Hospital and Institute, Montréal, Québec

### **Hospital Staff Appointments**

<b>2/2017-present</b>	Redlands Community Hospital, Redlands, CA
<b>11/2016-present</b>	Loma Linda Murrieta, Loma Linda, CA
<b>6/2016-present</b>	Loma Linda VA, Loma Linda, CA
<b>4/2016-present</b>	Loma Linda Children's Hospital, Loma Linda, CA
<b>4/2016-present</b>	Loma Linda University Medical Center, Loma Linda, CA
<b>2011-2016</b>	Baptist Hospital East, Louisville, KY
<b>2011-2016</b>	Jewish and St Mary's Hospital, Louisville, KY
<b>2011-2016</b>	University of Louisville Hospital
<b>12/2009-2011</b>	St. Vincent's Private Hospital, Fitzroy Victoria, Australia
<b>12/2009-2011</b>	Epworth Eastern HealthCare, Victoria, Australia
<b>12/2009-2011</b>	Knox Private Hospital, Wantirna, Victoria, Australia
<b>02/2003-2010</b>	Ohio Valley Medical Center, Wheeling, West Virginia
<b>02/2002-2009</b>	West Virginia University Hospitals and Robert C. Byrd Health Sciences Center
<b>12/2000-02/2002</b>	Montreal Neurological Hospital and McGill University Health Centre

### **Hospital Leadership**

<b>2016-present</b>	Chief of Neurosurgery, Loma Linda University Medical Center
<b>2016-present</b>	Loma Linda University Surgical Chairs Committee
<b>2016 – present</b>	Loma Linda University Faculty Medical Group Board of Directors
<b>2016-present</b>	Loma Linda Cancer Center Committee
<b>2016-present</b>	Rehabilitation Orthopedics Neuroscience Administrative Council
<b>2016-present</b>	East Campus Clinical Council
<b>2015 – 2016</b>	KYOne/ULP Neuroscience Service Line Development
<b>6/2015 – 2016</b>	Kentucky One/ University of Louisville Physicians - Louisville Market Neurosciences Steering Committee
<b>4/2014-2016</b>	KYOne Louisville Physician Steering Council
<b>1/2014-2016</b>	Jewish Hospital Operating Room Services Committee
<b>1/2014-2016</b>	University of Louisville Hospital EMR Committee
<b>2013-2016</b>	VA Academic Partnership Council
<b>2013-2016</b>	UofL Clinical Integration Task Force - Leadership Position, KentuckyOne Health
<b>2012-2016</b>	PMT Committee, University of Louisville Hospital
<b>6/2012-2016</b>	Neuroscience Intensive Care Unit – Co-Medical Director, University of Louisville Hospital
<b>2011-2016</b>	Chief of Neurosurgery, University of Louisville Hospital, Louisville, KY
<b>2011-2016</b>	Medical Executive Committee – Leadership Position, University of Louisville Hospital

## Certifications and Licensure

### Medical License

<b>2016-present</b>	State of California #142036
<b>2011-Present</b>	State of Indiana #99047705A
<b>2008-Present</b>	Victoria, Australia # MED0001627756
<b>2002-2016</b>	State of Pennsylvania # MD420058
<b>2002-2010</b>	State of West Virginia # 20715
<b>2000-2002</b>	Québec Canada, # 00432
<b>1997-1999</b>	State of Vermont, # 042-0009588
<b>1992-Present</b>	State of Kentucky #28857

### Specialist Board Certification

<b>12/2010-Present</b>	Fellow of the Royal Australasian College of Surgeons
<b>5/2003-Present</b>	American Board of Neurosurgery, Diplomat
<b>6/2000-Present</b>	Fellow of the Royal College of Surgeons of Canada (Neurosurgery)
<b>2000</b>	Collège des Médecins du Québec Specialty Certification in Neurosurgery

## Professional Memberships and Activities

<b>2014-Present</b>	Southern Neurosurgical Society
<b>2010-Present</b>	Fellow of the Royal Australasian College of Surgeons
<b>2003-Present</b>	World Society for Stereotactic and Functional Neurosurgery
<b>2003-Present</b>	American Society for Stereotactic and Functional Neurosurgery
<b>2003-2009</b>	Ohio County Medical Society
<b>2002-Present</b>	American Epilepsy Society
<b>2002-present</b>	International League against Epilepsy
<b>2002-2009</b>	Monongalia County Medical Society
<b>2002-2009</b>	West Virginia Neurosurgical Society
<b>2000-Present</b>	Fellow of the Royal College of Physicians and Surgeons of Canada
<b>1995-Present</b>	American Association of Neurological Surgeon
<b>1991-Present</b>	The Congress of Neurological Surgeons

## Honors and Awards

<b>2015</b>	2015 Partners in Health Care, Louisville Business First, March Issue.
<b>2014</b>	People to Watch 2014, Louisville Business First, April Issue.
<b>2014</b>	Top Brain Surgeon, Louisville Magazine.
<b>2007</b>	Light the Way Award, West Virginia Chapter of Epilepsy Foundation of America
<b>1998</b>	H. L. Tueber Prize, Montreal Neurological Institute
<b>1997</b>	Jeanne Timmins Costello Fellowship, Montreal Neurological Institute
<b>1991</b>	Summa Cum Laude Graduate and Deans Award for Scholastic Excellence Texas Tech School of Medicine

<b>1990-1991</b>	Outstanding Student Department of Internal Medicine, Texas Tech University Health Science Center
<b>1989</b>	Excellence in Pharmacology Award for Outstanding Pharmacology Student
<b>1989</b>	Outstanding Medical Physiology Student
<b>1989</b>	Outstanding Student of Medical Microbiology
<b>1988</b>	Southern Medical Association Medical Student Scholarship Award
<b>1988</b>	McGraw-Hill Student Award
<b>1988 (elected)</b>	Alpha Omega Alpha Medical Honor Society

### **University Committee Assignments and Administrative Service**

#### **Loma Linda University**

**2016-Present** University Leadership Council

#### **University of Louisville**

**10/2014** Program Co-Chair, Traumatic Brain Injury symposium, KentuckyOne Health and the University of Louisville, Jewish Hospital Rudd Heart & Lung Conference Center

**2014-2016** Search Committee for Neuropathology Faculty

**2013-2016** University of Louisville Physicians, Executive Committee

**2013-2016** University of Louisville Physicians, Board of Directors

**2013-2016** Medical School Fund Board of Directors

**2013** KentuckyOne Health – UofL Partnership Neuroscience/Rehabilitation Service Line Investment Proposal Committee

**2013-Present** Council of the School of Medicine

#### **West Virginia University and Hospital**

**2009-2010** Radioactive Drug Research Committee, West Virginia University, School of Medicine

**2009** Sensory Neural Science Center, Faculty Search Committee

**2008** West Virginia University Hospitals, imaging suite planning/acquisition committee

**2006-2010** Promotion and Tenure Committee

**2006-2007** Committee - Expert MD Champions for the EPIC project

**2005-2006** WVU Institutional Review Board, member

**2004-2010** Advisory Committee, International Health Program

**2004-2010** Editor, "WVU, Neuroscience Newsletter", biannual journal. Nationally distributed publication - Planning & Marketing, West Virginia University Health Sciences Center

**2003-2010** Member, Functional Imaging Advisory Committee, West Virginia University Health Science Center

**2003-2007** Member, Research Development and Bridge Grant Review Committee, University of West Virginia Medical Center

**2003-2006** Member, Transfusion Committee, WVU Hospitals

**2003-2004** WVU Ruby Hospital Operating Room Expansion – Design Committee

**2003-2004** Member, Search Committee for Integrated Neuroscience Center, Imaging Research Scientist, Center for Advanced Imaging

**2003** Advances in Imaging Symposium, University of West Virginia Medical Center, Symposium Organizer

**2003** Consultant, Radioactive Drug Research Committee, West Virginia University Health Sciences Center

- 2003** Member, Care Management Steering Committee, West Virginia University, Ruby Hospital
- 2002-2010** Co-Director, Epilepsy Surgery Case Conference, CME credit approved weekly conference

#### **McGill University**

- 2001-2002** McGill University Faculty of Medicine Appointment and Promotion Committee

#### **Regional, National, and International Leadership and Service**

- 2017-2018** President, Society for Brain Mapping and Therapeutics (SBMT).
- 2017** Board of Directors, Society for Brain Mapping and Therapeutics (SBMT).
- 2016/2017** 14<sup>th</sup> International Conference on Neurovascular Event after Subarachnoid Hemorrhage, September 30-October 3, 2017. Meeting Presidents: John H. Zhang, MD, PhD Robert Martin, MD Warren Boling, MD Loma Linda University, California. Huntington Beach, Los Angeles
- 2016/2017** Science Committee Member of the Society for Brain Mapping and Therapeutics 14<sup>th</sup> Annual Conference 2017
- 2014** American Board of Neurological Surgeons oral examinations guest examiner, November 2014
- 2008-2010** Executive Director, International Consortium for the Treatment of Epilepsy in Severely Underserved Settings (ICTEUS). A nonprofit organization dedicated to bringing advanced epilepsy evaluation and treatment to severely underserved regions worldwide.
- 2008-2010** Co-Director, Pakistan Epilepsy Project. A collaboration with ICTEUS, University of Alberta, and Aga Khan University Hospital Karachi to develop a comprehensive epilepsy evaluation and treatment program in Pakistan.
- 2008-2009** Chair, Advisory Committee, Epilepsy Foundation of America – West Virginia Chapter
- 2005-present** Director East African Epilepsy Program, CURE Children’s Hospital of Uganda Center for Pediatric Neurosurgery Mbale, Uganda.
- 2004-2006** Co-Director of the Intracerebral Anticonvulsant Project. Collaboration between West Virginia University Departments of Neurology and Neurosurgery, University of Kentucky Departments of Neurosurgery and Anatomy Neurobiology, and BrainLAB AG (Munich, Germany).

#### **Educational Activities**

##### **Teaching**

- 2015** Collaboration with Dr Susannah Rose - bioethics curriculum module for Public Health Ethics course of Harvard University School of Public Health.
- 2010-2011** Director of Neurosurgery Education, Northern Clinical School, The University of Melbourne, The Northern Hospital, Epping, Victoria
- 2005-2010** West Virginia University School of Medicine, Neurobiology Instructor
- 2003-2010** Organizer and director, Department of Neurosurgery Journal Club, West Virginia University
- 2003-2010** West Virginia University School of Medicine, 1 hour per semester lecture - 2nd year medical students
- 2003-2010** Director, Resident Didactic Course in Neurosurgery, 2 year curriculum for Neurosurgery residents of reading with faculty guidance to encompass the relevant knowledge in neurosurgery and prepare the residents for the neurosurgery board exams
- 2003-2010** West Virginia University School of Medicine, 1 hour per semester lecture - 2nd year medical students
- 2002-2010** Co-director weekly Epilepsy Surgery Case Conference, a CME and nursing credit

conference for the Departments of Neurology, Neurosurgery, Radiology, Behavioral Medicine, Hospital nursing and EEG technology,

### **Mentoring**

- 2016-2017** Loma Linda University - Elena Rose Milosavljević - Neurosurgery curriculum project for the Pan African Association of Christian Surgeons (PAACS).
- 2015-2017** University of Louisville – Margaret Means – Global Health Distinction Track, U of L Medical Student, Global Health Distinction Track, Beijing’s Children’s Hospital Outcomes in Epilepsy
- 2015** University of Louisville – Daniel Kim – U of L Medical Student, Use of Amantadine in Traumatic Brain Injury
- 2015** University of Louisville – Jessica Eaton – U of L Medical Student, Ethics of Epilepsy in the Developing World
- 2014** University of Louisville - Anita Fletcher - research distinction track, U of L Medical Student, research project treatment of intractable epilepsy in the developing world
- 2014** UofL Board of Overseers Mentor Program – Kandice Roberts, UofL Undergraduate Student
- 2007** International Health Program, WVU School of Medicine, mentoring of 2 senior medical students (Cara Sedney and Garrett Stover) on medical mission to CURE Children’s Hospital of Uganda
- 2002-2009** WVU School of Medicine, Medical Student Shadowing Program (Physical Diagnosis and Clinical Integration I and II),
- 2002-2009** WVU School of Medicine. 4<sup>th</sup> year Medical Student Advisor

### **WVU School of Medicine, Research Supervisor, Medical Student Summer Research Program:**

- Joseph Adongay (2007), comparison of AFNI and iFMRI (BrainLAB, AG) FMRI analysis applications, “A Comparison of Two FMRI Analysis Techniques”.
- Carrie Cantrell (2005), correlation of FMRI activation and cortical stimulation. Presented her research, “Hand Motor And Sensory Function: A Comparison Of Cortical Stimulation And Functional MRI” at Van Liere Research Convocation, Morgantown, WV April, 2006
- Phil Granchi (2003), FMRI of digit representation. Presented his research, “Variation in locus of activation to somatosensory stimulation of single digits” at Human Brain Mapping in 2005 (Winner Competitive OHBM Travel Award).

### **Clinical Trials/Grants/Awards**

- 2017** Effect of Hydrogen Gas on Acute Large Vessel Ischemic Stroke. John Zhang and Warren Boling (co-PI’s). Grants for Collaborative and Translational Research. \$75,000 for 2 years
- 2015** VB-111-215-A Phase 3, Randomized, Controlled, Double-Arm, Open-Label, Multi-center Study of VB-111 Combined with Bevacizumab vs. Bevacizumab Monotherapy in Patients with Recurrent Glioblastoma (site Co-I)
- 2015** Validation of Shape Adaptable Laser for Cancer Treatment. Sponsor: University of Louisville’s School of Medicine Research Committee. \$75,057.
- 2014-2016** Glyburide in Spinal Cord Injury. Warren Boling (Site PI). Minimally Invasive Surgery Plus rt-PA for Intracerebral Hemorrhage Evacuation. OSU No. 2014-987.
- 2014-2016** Minimally Invasive Surgery Plus rt-PA for Intracerebral Hemorrhage Evacuation (MISTIE III). Sponsor: National Institute of Neurological Disorders and Stroke. Warren Boling (Site PI).

- 2013-2016** "Shape Adaptive Therapy to Treat Tumors." Warren Boling, Robert Cohn, Chin Ng (Co-PIs), Sponsor: Wallace H. Coulter Foundation. \$125,000/year
- 2013-2016** A Double-Blind, Placebo-Controlled Study of AC105 in Patients with Acute Traumatic Spinal Cord Injury. Maxwell Boakye (PI), Warren Boling (Sub-I), Sponsor: Acorda Therapeutics with partial funding from DOD.
- 2010-2016** Safety and Effectiveness of a Seizure Advisory System in Epilepsy. NeuroVista Seizure Advisory System™. Sponsor: NeuroVista Corporation, Seattle. Co-investigator
- 2010-2016** Steven J. Schiff (PI), Kenneth Jenkins, Raj Acharya, Collins O. Airhihenbuwa, Bruce Gluckman, Matthew Eccher, Warren Boling (Co-PIs), "The One Laptop per ICU Patient Project"
- 2009** A Randomized, Double Blind, Placebo Controlled Phase 3 Study to Investigate the Efficacy and Safety of Progesterone in Patients with Severe Traumatic Brain Injury. Sponsor: BHR Pharma, LLC. Co-investigator
- 2008** Phase II Study of a Drug [DCVax®-Brain] to Treat Newly Diagnosed GBM Brain Cancer, West Virginia Hospitals site co-investigator
- 2008** Phase III CASTBI Trial. Double-blind, placebo controlled study to determine if there is significant difference in outcome in patients with severe head injury who have received Cyclosporin A compared to placebo. Co-investigator
- 2006-2009** "A Comparison of METRx Lumbar Endoscopic Disc Surgery and Standard Microdiscectomy." Prospective randomized trial funded by Medtronic Sofamore Danek. Principal Investigator, \$8,000
- 2006-2009** "A Multi-Center Study to Evaluate MiLIF Versus Open Posterior Unilateral Lumbar Interbody Fusion (TLIF)." Prospective randomized trial funded by Endius, Inc. Principal Investigator, Direct cost estimate 25,000\$ / year
- 2005-2008** Agency for International Development, American Schools and Hospitals Abroad, 200,000\$ Direct cost, CURE International, Inc, Intractable Temporal Lobe Epilepsy, Treatment in East Africa and Other Underserved Regions, Principal Investigator
- 2004-2009** Imaging and Image Guidance Laboratory, Director, Industry sponsor: BrainLAB AG, 35,000\$ / year direct costs Director of the Imaging and Image Guidance Laboratory, Center for Advanced Imaging, West Virginia University Health Sciences Center. Funding supports a beta test site contractual relationship with BrainLAB AG.
- 2004-2006** Randomized Evaluation of Convection Enhanced Delivery of IL13-PE38QQR Compared to GLIADEL Wafers with Survival Endpoint in Glioblastoma Multiforme at First Recurrence (PRECISE Trial). Principal Investigator of WVU Hospitals site for this International, Multisite, Phase III Clinical Trial. Direct cost estimate 112,000\$ / year
- 2002** Research Development Grant, School of Medicine, West Virginia University, Title: Functional Topography of the Mid-Postcentral Gyrus.

#### **Patents and Intellectual Property**

- 2014** U. S. Provisional Patent Application Serial No. 62/000,730 DEVICE AND METHOD FOR THERMAL ABLATION OF TUMORS, ULRF Ref. No. 13029

**Published/Accepted for publication Peer-Reviewed Articles**

1. Amsbaugh M, Pan J, Yusuf MB, Dragun A, Dunlap N, Guan T, **Boling W**, Rai S, Woo S. Dose-Volume Response Relationship for Brain Metastases Treated with Frameless Single-Fraction Linear Accelerator-Based Stereotactic Radiosurgery. *Cureus*. 2016 Apr 27;8(4):e587
2. Fletcher A, Sims-Williams H, Wabulya A, **Boling W**, "Stigma and quality of life at long-term follow-up after surgery for epilepsy in Uganda." *Epilepsy Behav*. 2015;52(Pt A):128-131
3. Amsbaugh M, Dunlap N, **Boling W**, Rajeurs A, Guan T, Sowards K, Woo S, "Simultaneous integrated boost using stereotactic radiosurgery for resected brain metastases: rationale, dosimetric parameters, and preliminary clinic outcome." *The Journal of Community and Supportive Oncology*. June 2015
4. Amsbaugh M, **Boling W**, Woo S, "Tumor Bed Radiosurgery: An Emerging Treatment for Brain Metastases" *Journal of Neuro-Oncology*, in press.
5. Mandell, JG, Hill KL, Nguyen D, Moser M, Harbaugh RE, McInerney J, Kaaya Nsubuga B, Mugamba J, Johnson D, Warf BC, **Boling W**, Webb AG, Schiff SJ. Volumetric Brain Analysis in Neurosurgery: III. Volumetric CT analysis as a predictor of seizure outcome following temporal lobectomy. *Journal of Neurosurgery: Pediatrics*, in press.
6. Kaneko N, **Boling WW**, Shonai T, Ohmori K, Shiokawa Y, Kurita H, Fukushima T. Delineation of the safe zone in surgery of sylvian insular triangle: morphometric analysis and magnetic resonance imaging study. *Neurosurgery*. 2012 Jun;70(2 Suppl Operative):290-8
7. Weimer T, **Boling W**, Palade A. Neurosurgical therapy for central area status epilepticus. *W V Med J*. 2012 Sep-Oct;108(5):20-3.
8. **Boling W**. Minimal Access Keyhole Surgery for Mesial Temporal Lobe Epilepsy. *Journal of Clinical Neuroscience* 2010 Sep;17(9):1180-4
9. **Boling W**, Lowitzsch S, Sano K. Professor Uchimura, Ammon's Horn Sclerosis, and the German Influence on Japanese Neuroscience. *Journal of the History of the Neurosciences*. *J Hist Neurosci*. 2010 Apr 8;19(2):182-94
10. S. Nizam Ahmed, Carly Mann, Fowzia Siddiqui, Mughis Sheerani, Nadir Ali Syed, Thomas Snyder, S. Ather Enam, **Warren Boling**. Experiences from an International Tele-Epilepsy Collaboration. *Canadian Journal of Neurological Sciences* 2009; 36:582-586
11. **Boling W**, Palade A, Wabulya A, Longoni N, Warf B, Nestor S, Alpitsis R, Bittar R, Howard C, Andermann F. Surgery for Pharmacoresistant Epilepsy in the Developing World: A Pilot Study. *Epilepsia* 2009 June; 50:1256 - 1261
12. **Boling W**, Melissa Lancaster M, Kraszpulski M, Palade P, Marano G, Puce A. FDG-PET Imaging Diagnosis Of Mesial Temporal Lobe Epilepsy. *Neurosurgery* 2008 Dec; 63:1130-1138
13. **Boling W**, Aghakhani Y, Andermann F, Sziklas V, Olivier A. Surgical Treatment of Independent Bitemporal Lobe Epilepsy Defined by Invasive Recordings. *Journal of Neurology, Neurosurgery, Psychiatry* 2008 Dec
14. Weimer T, **Boling W**, Pryputniewicz D, Palade A. Temporal Lobectomy for Refractory Status Epilepticus in a Case of Limbic Encephalitis. *Journal of Neurosurgery* 2008 Oct; 109:742-745
15. **Boling W**, Parsons M, Kraszpulski M, Cantreli C, Puce A. The Whole Hand Sensorimotor Area: Cortical Stimulation Localization and Correlation with Functional Imaging. *Journal of Neurosurgery* 2008 Mar; 108:491-500
16. Velan S, Lemieux S, Raylman R, **Boling W**, Hobbs G, Spencer R, Sridhar R, Kuppasamy P, Thomas A. Detection of Cerebral Metabolites by Single-Voxel Based PRESS and COSY Techniques at 3T. *Journal Of Magnetic Resonance Imaging* 2007 Aug; 26:405-409
17. Karlsson B, **Boling W**. Management of brain metastases by using repeat Gamma Knife surgery. *Pan Arab Journal of Neurosurgery* 2007 Oct; 11

18. **Boling W**, Longoni N, Palade A, Moran M, Brick J. Surgery For Temporal Lobe Epilepsy. West Virginia State Medical Journal 2007 Nov/Dec; 102:18-21
19. **Boling W**, Olivier A. Localization of hand sensory function to the pli de passage of Broca. Journal of Neurosurgery 2004 Aug; 101:278-283
20. Fedi M, Reutens DC, Andermann F, Okazawa H, **Boling W**, White C, Dubeau F, Nakai A, Gross DW, Andermann E, Diksic M. alpha-[11C]-Methyl-L-tryptophan PET identifies the epileptogenic tuber and correlates with interictal spike frequency. Epilepsy Research 2003 Jan; 52:203-13
21. Abosch A, Bernasconi N, **Boling W**, Jones-Gotman M, Dubeau F, Andermann F, Olivier A: Factors predictive of sub-optimal control following selective amygdalo-hippocampectomy. Journal of Neurosurgery 2002 Nov; 97:1142-1151
22. **Boling W**, Reutens D, Olivier A. Functional topography of the low post-central area. Journal of Neurosurgery 2002 Aug; 97:388-395
23. **Boling W**, Fabinyi G, Olivier A: Historical contributions to the modern understanding of function in the central area. Neurosurgery 2002 June; 50:1296-11309
24. Fedi M, Reutens D, Okazawa H, Andermann F, Dubeau F, **Boling W**, White C, Nakai A, Gross D, Andermann E, Diksic M: The localizing value of a-[11C]-methyl - L- tryptophan PET in patients with intractable partial epilepsy. Neurology 2001 Sep; 57:1629-1636
25. **Boling W**, Reutens D, Andermann F, Dubeau F, Caporicci L, Olivier A: Surgery for temporal lobe epilepsy in older patients. Journal of Neurosurgery 2001 Aug; 95:242-248
26. Gross D, Merlet I, **Boling W**, Gotman J: Relationship between the epileptic focus and hand area in central epilepsy. Combining dipole models and anatomical landmarks. Journal of Neurosurgery 2000 May; 92:785-792
27. Olivier A, **Boling W**: Transcortical selective amygdalohippocampectomy in temporal lobe epilepsy. The Canadian Journal of Neurological Sciences 2000 May; 27 Suppl 1:S68-76
28. **Boling W**, Reutens D, Bittar R, Olivier A: Hand motor function is localized to Broca's pli de passage moyen. Journal of Neurosurgery 1999 Dec; 91:903-910
29. **Boling W**, Olivier A, Civit T: The French contribution to the discovery of the central area. Neurochirurgie 1999 Sep; 45:208-213
30. **Boling W**, Olivier A: The current state of epilepsy surgery. Current Opinion in Neurology 1998 April; 11:155-161
31. Bruce AJ, **Boling W**, Kindy MS, Peschon J, Kraemer PJ, Carpenter MK, Holtsberg FW, Mattson MP: Altered neuronal and microglial responses to excitotoxic and ischemic brain injury in mice lacking TNF receptors. Nat Med 1996 Jul; 2:788-94
32. Lu WY, Rhoney DH, **Boling W**, Johnson JD, Smith TC: A review of stress ulcer prophylaxis in the neurosurgical intensive care unit. Neurosurgery 1997 Aug; 41:416-426

### Books

1. Techniques in Epilepsy Surgery: The MNI Approach. Olivier A, **Boling W**, Tanriverdi T. Cambridge University Press, 2012

### Book chapters

1. **Boling W**. Selective Amygdalohippocampectomy. In: Baltuch G and Cukiert A (editors), Operative Techniques in Epilepsy Surgery, 2<sup>nd</sup> ed. Thieme Medical Publishers, New York, 2018 (in press)
2. **Boling W**, Oliver Andre. Anatomy of Important Functioning Cortex. In: Functional Mapping of the Cerebral Cortex, Byrne, Richard W. (Ed.). Springer Publisher, 2016

3. **Boling W.** Selective Amygdalohippocampectomy. In: Baltuch G and Villemure J-G (editors), Operative Techniques in Epilepsy Surgery. Thieme Medical Publishers, New York, 2009
4. Parsons M, Moran M, **Boling W.** Advances in Neurosurgical Applications of Functional Magnetic Resonance Imaging. In: Yuanzhu Liáng (editor), Research Topics on Brain Mapping. Nova Publishers, pp. 153-173, 2008
5. Olivier A, **Boling W:** Diagnostic operative techniques in the treatment of epilepsy: Stereotactic intracranial recording. In: Operative Neurosurgical Techniques Indications, Methods, and Results. Editors: Schmidek H, Sweet W. W. B. Saunders, Philadelphia, 2000
6. Olivier A, **Boling W:** Surgery for Parietal and Occipital Epilepsy. In: Neocortical Epilepsies. Editors: Williamson P, Siegel AM, Roberts DW, Thandi VM, Gazzaniga MS. Lippincott Williams & Wilkins, Philadelphia, 2000
7. Olivier A, **Boling W,** Andermann F, Dubeau F: Surgical treatment of cortical dysplasias and migration disorders. In: Abnormal Cortical Development and Epilepsy. Editors: Spreafico R, et al. John Libby and Co., London, 1999
8. Olivier A, Cyr M, Comeau R, Peters T, **Boling W,** Klein D, Reutens D: Image guided surgery of epilepsy and intrinsic brain tumors. In: Advanced Neurosurgical Navigation. Editors: Eben Alexander III, Robert J Maciunas. Thieme Medical Publishers, New York, 1999; 39:469-482

### Abstracts and Presentations

#### **Presentations, Symposia, and Invited Speaker**

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|-------------------|---|
| <b>4/18/2017</b>  | Invited Speaker. SEEG defining the epileptic focus and informing the network. Epilepsy & intraoperative neuromonitoring session, Society of Brain Mapping and Therapeutics 14 <sup>th</sup> Annual Congress, Los Angeles, CA. |
| <b>4/25/2017</b>  | Invited Speaker. Epilepsy surgery mapping techniques. Functional Mapping of the Cerebral Cortex: Advantages and Limitations Session. American Association of Neurological Surgeons.   |
| <b>03/08/2017</b> | Invited Speaker. "Intraoperative Brain Mapping for Brain Tumor Epilepsy." 6 <sup>th</sup> Annual Brain Mapping Day-Congressional Neuroscience Caucus briefing, Washington, DC.  |
| <b>11/08/2016</b> | Invited Speaker. "Advances in the treatment of Epilepsy." Beijing Children's Hospital, Beijing, China.  |
| <b>10/07/2016</b> | Invited Speaker. "Recent advances and Future Directions in Neurosurgery treatment of Epilepsy." Loma Linda University Hospital RONI NeuroREHAB Conference, Loma Linda, CA.  |

- 09/16/2016** Invited Speaker. "Advanced surgical management of Epilepsy." Loma Linda University Hospital RONI Neuroscience Symposium, Loma Linda, CA.
- 09/16/2016** Invited Speaker. "Advances in the management of brain tumors." Loma Linda University Hospital RONI Neuroscience Symposium, Loma Linda, CA.
- 10/13/2015** Invited Speaker. "Improving Quality of Life in People with Epilepsy by Reducing Stigma." 2015. Pediatric Epilepsy Conference. Beijing Children's Hospital. Beijing, China.
- 10/10/2015** Invited Speaker. "Epilepsy Surgery." 2015. 2<sup>nd</sup> Beijing International Forum of Pediatric Development. Beijing, China.
- 3/27/2015** Invited Speaker. "Evaluation of Stigmatization and Quality of Life at Long Term Follow-Up in Patients with Surgery for Epilepsy in Uganda." Warren Boling, MD; Anita Fletcher, MS; Helen Nye, MD. 66<sup>th</sup> Southern Neurosurgical Society Annual Meeting, Naples, Florida.
- 11/10/2013** Invited Speaker. "Establishment of Comprehensive Epilepsy Center and Surgical Treatment of Epilepsy in Children." 2013. 1<sup>st</sup> Beijing International Forum of Pediatric Development. Beijing, China.
- 11/02/2013** "Epilepsy Surgery for the Adult Patient". Not Another Moment Lost to Seizures Conference. Baptist Health, Louisville, KY
- 06/06/2013** "Updates in the Treatment of Dementia". Buckhead's Mountain Grill, Jeffersonville, IN
- 11/9/2012** "Medically Intractable Epilepsy. Diagnosis and Treatment of a Once Sacred Disease". Neuroscience Symposium. Kings Daughters Hospital, Ashland, KY
- 10/9/2012** "Surgery of Central Area Epilepsy." Congress of Neurological Surgeons, Chicago, IL
- 10/6/2012** "Selective Amygdalohippocampectomy". Congress of Neurological Surgeons, Chicago, IL
- 9/21/2012** "Modern Approaches to Brain Tumors and Visual Consequences" and "Development of Outcomes Measures in Clinical Practice". Grand Rounds and Research Seminar Series, Department of Ophthalmology and Visual Sciences at the University of Louisville, Louisville, KY
- 7/18/2012** "Medically Intractable Epilepsy- A Disease Once Sacred". St Mary's Hospital Grand Rounds, Evansville, KY
- 7/17/2012** "Medically Intractable Epilepsy. Diagnosis and Treatment of a Once Sacred Disease". Jennie Stuart Medical Center, Hopkinsville, KY
- 6/6/2012** Gamma Knife Radiosurgery For Trigeminal Neuralgia: A Dose Comparison. American Society of Stereotactic and Functional Neurosurgeons, San Francisco, CA

- 5/2/2012** Invited Speaker. "Medically Intractable Epilepsy Diagnosis and Treatment of a Disease Once Called Sacred". Grand Rounds, Methodist Hospital, Henderson, KY
- 4/5/2012** Invited Speaker. "Updates In The Treatment Of Dementia". Elizabethtown, KY
- 3/8/2012** Invited Speaker. "Selective Amygdalohippocampectomy". 2012 Epilepsy Summit, Swissotel Grand Shanghai, Shanghai, China
- 3/5/2012** Invited Speaker. "Selective Amygdalohippocampectomy". 2012 Epilepsy Summit, Chongqing Sofitel Forebase Hotel, Chongqing, China
- 3/2/2012** Invited Speaker. "Surgery of Central Area Epilepsy". 2012 Epilepsy Summit, Marriott Beijing City Wall Hotel, Beijing, China
- 11/18/2011** Invited Speaker. "Medically Intractable Epilepsy: Diagnosis and Treatment of a Once Sacred Disease". Neuroscience Grand Rounds, University of Louisville, KY
- 2011** Invited Speaker. "Surgery for Central Area Epilepsy". 2011 Congress of Neurological Surgeons Annual Meeting, Washington DC, Section: Surgery and Radiosurgery for Epilepsy Luncheon Seminar T22
- 2011** Invited Speaker. "Surgery for Selective Amygdalohippocampectomy". 2011 Congress of Neurological Surgeons Annual Meeting, Washington DC, Section: Operative Indications, Options and Technique for Epilepsy Practical Course PC27
- 4/13/2011** Invited Speaker. "Functional Neuroanatomy of the Epilepsies". AANS Annual Meeting, AANS/CNS Section on Stereotactic and Functional, Denver, CO
- 1/20/2011** Invited Speaker. "Lumbar Spine for Lawyers". Medico-legal aspects of Neurosurgery. Kew, Victoria, Australia
- 6/23/2010** Invited Speaker. "Epilepsy Surgery". Surgical Forums, Division of Surgery, Austin Hospital, Heidelberg, Victoria, Australia
- 6/13/2010** Invited Speaker. "Management of Traumatic Brain Injury". Grand Rounds, The Northern Hospital, Epping, Victoria, Australia
- 6/2/2010** Invited Speaker. "Lumbar Spine". Update on Spinal & Parkinson Treatments. Mount Waverly, Victoria, Australia
- 5/19/2010** Gamma Knife Radiosurgery for Trigeminal Neuralgia: A Comparison of Two Dose Protocols. Warren Boling, John C Frich, André Kalend, and Bengt Karlsson. Leksell Gamma Knife Society meeting, Athens, Greece
- 5/7/2010** Invited Speaker. "Hydrocephalus". Depuy Spine and Codman, Elevating Best Practice in Nursing Care (EBPiNC). Royal College of Australasian Surgeons, Melbourne, Australia

- 5/5/2010** Invited Speaker. "The Neurosurgical Treatment of Dementia, Normal Pressure Hydrocephalus." Knox Private Hospital Management of Neurosurgical Conditions Seminar
- 4/21/2010** Invited Speaker. "Function and Topography of the Primary Sensorimotor Cortex." Austin Neuroscience Seminar.
- 3/5/2010** Invited Speaker. "Brain Tumor, New Therapy and Treatment Advances". Burwood Healthcare, Burwood Victoria, Australia
- 10/26/2009** Gamma Knife Radiosurgery for Trigeminal Neuralgia: A Comparison of Two Dose Protocols. Warren Boling, John C Frich, André Kalend, and Bengt Karlsson. Section on Pain Neurosurgical Forum, Congress of Neurological Surgeons, Annual Meeting, New Orleans
- 10/4/2009** Invited Speaker. "Gamma knife for epilepsy". Canadian League Against Epilepsy 2009 Biennial meeting. Saskatoon, Canada
- 11/8/2008** Invited Speaker. "Diagnosis and Treatment of Medically Intractable Epilepsy: Modern Approaches and Future Directions". Emerging Technology and Techniques in Neurosurgery. Caesar's Palace, Las Vegas, Nevada.
- 7/7/2008** Invited Speaker. "Surgery for Medically Intractable Epilepsy". Aga Khan Hospital, Karachi, Pakistan
- 6/12/2008** Invited Speaker. "Advanced Technologies in Neurological Surgery". St. Joseph's Hospital, Parkersburg, West Virginia
- 3/10/2008** Invited Speaker. Brain LAB Residency Leadership Symposium. "Image Guided Surgery for Brain Tumor and Epilepsy" and " Perfusion and Diffusion Imaging in Neurosurgery". BrainLAB AG, Munich, Germany
- 2/13/2008** Surgical Treatment of Epilepsy in the Developing World. Pennsylvania State University, Center for Neural Engineering, State College, PA
- 2/9/2008** Correlating FMRI and Neuronavigation: Demonstration of a "Whole Hand" Area in Central Cortex. M.W. Parsons, W. Boling, M. Lancaster & M. Kraszpulski. Thirty-Sixth Annual Meeting International Neuropsychological Society. Waikoloa, Hawaii
- 12/3/2007** A Model for Evaluation and Surgical Treatment of Medically Intractable Epilepsy in Severely Underserved Settings. Boling W, Palade A, Brick J, Warf B, Longoni N, Mujuru P, Fisher M, Nestor S, Wabulya A, Andermann F, Byrne R, Gross D, Fabinyi G, Bittar R. Platform Highlights presentation at the 61st Annual Meeting of the American Epilepsy Society, Philadelphia, PA
- 2007** Boling W. CNS University, Surgery For Extra-Temporal Lobe Epilepsy, <http://univ.cns.org/>

- 9/6/2007** Boling W, Lancaster M, Kraszpulski M, Palade A, Marano G, Puce A. Mesial Temporal Lobe Epilepsy Diagnosis Utilizing FDG-PET Imaging. European Congress of Neurosurgery, Glasgow, UK
- 9/4/2007** Visiting Professor. Surgery for Temporal Lobe Epilepsy. University of Brescia, Spedali Civili, Brescia, Italy
- 4/13/2007** Boling W, Parsons M, Kraszpulski M, Cantrell C, Puce A. Surgery for tumor in the primary sensorimotor area. Elucidation of the whole hand sensory and whole hand motor areas. 2007 AANS/CNS Joint Section on Tumors, Washington DC
- 1/20/2007** Boling W, Kraszpulski M, Palade A, Hobbs G, Marano G, and Puce A. FDG-PET is an Effective Imaging Tool in the Diagnosis of Mesial Temporal Lobe Epilepsy, Neurosurgical Society of the Virginias, The Homestead, VA
- 10/6/2006** Visiting Professor. Medically Intractable Temporal Lobe Epilepsy, Treatment in a Severely Underdeveloped African Region. Second Annual Butler Epilepsy Lecture. University of Alberta Hospital, Edmonton, Alberta, Canada
- 9/21/2006** NPH seminar, Invited Speaker, Fairmont, West Virginia
- 3/15/2006** Boling W, Longoni N. Intractable Temporal Lobe Epilepsy, Treatment in an Underserved Region. World Health Organization, Kampala, Uganda
- 3/15/2006** Boling W, Longoni N. Surgery For Epilepsy. Butabika Psychiatric Hospital, Kampala, Uganda
- 3/13/2006** Boling W, Longoni N. Surgery for Epilepsy. CURE Children's Hospital of Uganda, Mbale, Uganda
- 3/3/2006** Boling W, Longoni N. Intractable Temporal Lobe Epilepsy, Treatment in an Underserved Region. United States Agency for International Development (USAID). Kampala, Uganda
- 1/21/2006** Boling W, Palade A, Mujuru P, Longoni N, Warf B. Medically Intractable Temporal Lobe Epilepsy, Treatment in an Underserved Region. Neurosurgical Society of the Virginias, Greenbriar, WV
- 7/12/2005** Invited Speaker. Makerere University Mulago Hospital. Surgery for Epilepsy in Uganda and East Africa
- 4/27/2005** Invited Speaker. Neuroscience Grand Rounds, Allegheny General Hospital, Pittsburgh, PA. Image Guided Surgery for Epilepsy
- 4/13/2005** Invited Speaker. Eastern Panhandle Medical Society. Image Guided Surgery for Epilepsy, Shepherdstown, WV

- 1/22/2005** Boling W, Parsons M, Puce A, Haut M, Shaikh K, Lemieux S, Rosen C, Bloomfield S, Collins J, Bailes J: A Clinical FMRI Program For Brain Mapping and Image Guidance. The Neurosurgical Society of The Virginias, White Sulfur Springs, WV
- 10/17/2004** Invited Speaker. Association of periOperative Registered Nurses, Clinical (Inpatient and Ambulatory) Conference and RNFA Forum, "Imaging and Image Guidance in Neurosurgery", Las Vegas, NV
- 7/30/2004** Invited Speaker. Clinical Tropical Medicine and Parasitology Course International Health Program, Robert C. Byrd Health Sciences Center, West Virginia University, "Comprehensive Epilepsy Program and Surgery for Epilepsy in Uganda and East Africa", Morgantown, WV
- 7/24/2004** Invited Speaker. University of Kentucky. "Intracerebral Anticonvulsant Delivery." University of Kentucky Neuroscience Group, Lexington, KY
- 4/4/2004-4/9/2004** Invited Speaker. Brain LAB Residency Leadership Symposium. "Image Guided Surgery for Brain Tumor and Epilepsy" and "The Future of Imaging in Image Guided Surgery". BrainLAB AG, Munich, Germany
- 10/25/2003** Advanced Imaging and Image Guided Surgery for Epilepsy. Contemporary Management of Intractable Epilepsies International Symposium, WVU School of Medicine, Morgantown, WV
- 10/21/2003** Agha Khani Y, Andermann F, Dubeau F, Sziklas V, Jonesgotman M, Olivier A, Boling W: Surgical Treatment of Independent Bitemporal Lobe Epilepsy Defined by Invasive Recordings. Congress of Neurological Surgeons, Denver, CO
- 2003** Invited Speaker. Med School 101 Lecture Series. West Virginia University School of Medicine, Morgantown, WV
- 5/10/2003** "Advanced Treatment of Intractable Epilepsies at West Virginia University Medical Center Comprehensive Epilepsy Program", 3rd Annual Robert Nugent Lecture, West Virginia University Medical Center, Morgantown, WV
- 4/4/2003** Visiting Professor. University of Kentucky, Department of Neurosurgery, Lexington, KY
- 3/15/2003** "Image Guided Surgery in Epilepsy" Center for Epilepsy Inaugural Symposium, Belo Horizonte, Brazil
- 3/14/2003** "Strategies for Surgery in Functional Areas" Center for Epilepsy Inaugural Symposium, Belo Horizonte, Brazil
- 3/12/2003** Grand Rounds. "Image Guided Surgery for Epilepsy"; Charleston Area Medical Center, Charleston, West Virginia
- 3/11/2003** Invited Speaker. Charleston Neurological Association, Charleston, West Virginia

- 3/8/2003** "3D Cortical Surface Navigation in Neurosurgery" Boling W; Advances in Imaging Symposium, University of West Virginia Medical Center, Morgantown, WV
- 1/24/2003** "Functional Anatomy of the Middle and Lower Postcentral Area" Boling W; Neurosurgical Society of the Virginias, Hot Springs, Virginia
- 5/15/2002** Invited Speaker. "Image Guided Surgery for Epilepsy". Charleston Area Medical Center, Charleston, West Virginia
- 5/7/2002** Invited Speaker. "Image Guided Surgery for Epilepsy". Reynolds Memorial Hospital, Glen Dale, West Virginia
- 12/2001** "Functional Anatomy in the Pre and Post Central Gyri" Boling W, Olivier A; Rasmussen Symposium, Montreal Neurological Institute, Montreal, Canada
- 9/2001** "How I Do It: Vagal Nerve Stimulation" Boling W, Sadikot A, Gross D; 12th World Congress of Neurosurgery, Sydney, Australia
- 9/2001** "Depth Electrodes and Biopsies, Experience with a Compact Frameless Apparatus" Boling W, Hynes B, Soualmi L, Abosch A, Olivier A; 12th World Congress of Neurosurgery, Sydney, Australia
- 5/2000** "Surgery of Parieto-Occipital Area" Boling W; McGill 2000 - 100 years of Neurosurgery, Montreal Neurological Institute, Montreal, Canada
- 7/1999** Invited Speaker. "Transcortical Selective Amygdalohippocampectomy in Temporal Lobe Epilepsy"; Academic Hospital Maastricht (azM), The Netherlands
- 5/1999** "Language PET and Tumors in the Eloquent Areas" Boling W, Olivier A, Milner B, Klein D; Fellows Day, Montreal Neurological Institute, Montreal, Canada
- 6/1998** "Hand Motor Function is Localized to Broca's Pli de Passage Moyen" Boling W, Reutens D, Bittar R, Olivier A; Canadian Congress of Neurological Sciences annual meeting
- 5/1998** "Functional Topography of the Central Area" Boling W; Fellows Day, Montreal Neurological Institute, Montreal, Canada
- 5/1998** "Discovery of the Central Area" Boling W; Fellows Day, Montreal Neurological Institute, Montreal, Canada
- 9/1995** "A Comparison of Radiosurgery With Conventional Treatment for Brain Metastases" Boling W, Hodes J, Patel P, et al; Kentucky Medical Association annual meeting, Neurosurgery Section
- 5/1994** "Gamma Knife Radiosurgery for Cerebral Metastases" Boling W, Hodes JE, Patchell RA, et al Leksell Society 6th International Meeting, Kyoto, Japan

## Poster Presentations

1. Amantadine for Severe Traumatic Brain Injury: Impact on Pre-Rehabilitation Acute Hospitalization Recovery. A Retrospective Analysis. **Warren Boling**, Daniel Kim, Congress of Neurological Surgeons, Annual Meeting, September 2015
2. Evaluation Of Stigmatization And Quality Of Life At Long Term Follow-Up In Patients With Surgery For Epilepsy In Uganda. Anita M. Fletcher, Helen Nye, Juliet Mayeku, **Warren Boling**. American Epilepsy Society, December 2014
3. Prevalence Of Temporal Lobe Epilepsy And Mesial Temporal Sclerosis In A Tertiary Care Hospital In Pakistan .Zafar ,A ;.Quadri ,S .A ;.Siddiqui ,F ;.Sheerani ,M ;.Enam ,S .A ;.**Boling** ,W ;.Ahmed ,S .N . American Epilepsy Society Meeting, Boston, December 2009
4. Selective Amygdalohippocampectomy: A Study of Indications and Contraindications. **Warren Boling**, Adriana Palade, John Brick. 28th International Epilepsy Congress, Budapest, June 29, 2009
5. Experiences From An International Tele-Epilepsy Collaboration/S. N. Ahmed, C. J. Mann, F. Siddiqui, M. Sheerani, N. A. Syed, A. Enam, W. **Boling**, T. Snyder, American Epilepsy Society, Seattle; December 2008
6. **Warren Boling**, Derek Courtney, Bengt Karlsson. Treatment of Medically Intractable Trigeminal Neuralgia, Outcome from Gamma Knife Radiosurgery. 12th Congress of the European Federation of Neurological Societies EFNS, Madrid, Spain; August 2008.
7. Nicoletta Longoni, **Warren Boling**, Adriana Palade, Angel Wabulya, Frederick Andermann, Priscah Mujuru, Warf Benjamin, Donald Gross, Richard Bittar, Gavin Fabinyi, Richard Byrne. Medically Intractable Temporal Lobe Epilepsy in Children; Results from the First Year of a Comprehensive Epilepsy Program in East Africa. American Epilepsy Society Meeting, San Diego; December 2006.
8. **Warren Boling**. Image Guided Keyhole Approach in Surgery for Temporal Lobe Epilepsy. American Epilepsy Society Meeting, San Diego; December 2006.
9. Paula Pergami, Christian A. Keller, Adriana E. Palade, John F. Brick, **Warren Boling**, Alexander Torres-Trejo, Daunice Lohr. Surgery for Intractable Epilepsy: Does the Amygdala Play a Role in Post-Operative Weight Gain? American Epilepsy Society Meeting, San Diego; December 2006.
10. Alejandro Torres-Trejo, Adriana Palade, **Warren Boling**, John F. Brick. Incidence of Recurrent Seizures after Decreasing the Dose or Discontinuation of Antiepileptic Drugs (AED) in Patients Who Underwent Successful Surgery for Intractable Epilepsy from Cortical Dyplasia. American Epilepsy Society Meeting, San Diego; December 2006.
11. Warren W. **Boling**, Ben Warf, Adriana Palade, Priscah Mujuru, Frederick Andermann, Angel Wabulya, Nicoletta Longoni, Richard G. Bittar, Gavin Fabinyi, Richard W. Byrne, Donald Gross, Melanie Fisher, Scott Nestor, John Brick. Pharmacoresistant Temporal Lobe Epilepsy in Children, Treatment in a Severely Underdeveloped African Region. Congress of Neurological Surgeons Annual Meeting, Chicago; October, 2006
12. Cantrell C, Kraszpulski M, Parsons M, **Boling W**. Hand Motor And Sensory Function: A Comparison Of Cortical Stimulation And Functional MRI. Van Liere Research Convocation, Morgantown, WV April, 2006
13. **Boling W**, Palade A, Kraszpulski M, Marano G. The Role of FDG-PET in the Localization of Temporal Lobe Epilepsy. International League Against Epilepsy, Paris; August 2005
14. Granchi P, Puce A, **Boling W**. Variation in locus of activation to somatosensory stimulation of single digits. Human Brain Mapping. Toronto; June 2005

15. **Boling W**, Olivier A: Image Guided Keyhole Craniotomy for Selective Amygdalo-hippocampectomy. American Epilepsy Society, New Orleans; December 7, 2004
16. **Boling W**, Palade A, Brick J: Surgical Approach in Patients with Mesial Temporal Sclerosis and Neocortical Scarring. Congress of Neurological Surgeons, San Francisco; October, 2004
17. **Boling W**, Palade A, Brick J: Surgical Approach in Patients with Mesial Temporal Sclerosis and Neocortical Scarring. American Epilepsy Society, Boston; December 9, 2003
18. **Boling W**, Olivier A: Functional and Topographic Relationships in the Mid and Inferior Postcentral Gyrus, The American Society for Stereotactic and Functional Neurosurgery, New York; May 17, 2003
19. Agha Khani Y, Andermann F, Dubeau F, Sziklas V, Jonesgotman M, Olivier A, **Boling W**: Surgical Treatment of Independent Bitemporal Lobe Epilepsy Defined by Invasive Recordings. American Epilepsy Society, Seattle; December 12, 2002
20. **Boling W**, Andermann F, Dubeau F, Olivier A: Surgery for Temporal Lobe Epilepsy in Patients 50 Years of Age and Older. Canadian Congress of Neurological Sciences annual meeting, Montreal; June 1998
21. **Boling W**, Markesbery WR, Christakos S, Mattson MP: TNF's Protect Astrocytes Against Metabolic Insults. Society of Neuroscience Meeting, San Diego, CA; November 12, 1995

#### Published Abstracts

1. Syed N. Ahmed, Carly J. Mann, F. Siddiqui, M. Sheerani, N. A. Syed, A. Enam, **W. Boling** and T. Snyder. Experiences from an International Tele-Epilepsy Collaboration. *Epilepsia* 49 (s7) 2008
2. **Boling W**, Palade A, Brick J, Warf B, Longoni N, Mujuru P, Fisher M, Nestor S, Wabulya A, Andermann F, Byrne R, Gross D, Fabinyi G, Bittar R. A Model for Evaluation and Surgical Treatment of Medically Intractable Epilepsy in Severely Underserved Settings. *Epilepsia* 2007
3. **Warren Boling**, Melissa Lancaster, Michal Kraszpulski, Adriana Palade, Gary Marano, Aina Puce. Mesial Temporal Lobe Epilepsy Diagnosis Utilizing FDG-PET Imaging. *Acta Neurochirurgica* (in press)
4. Nicoletta Longoni, **Warren W. Boling**, Adriana Palade, Angel Wabulya, Frederick Andermann, Priscah Mujuru, Warf Benjamin, Donald Gross, Richard Bittar, Gavin Fabinyi, Richard Byrne. Medically Intractable Temporal Lobe Epilepsy in Children; Results from the First Year of a Comprehensive Epilepsy Program in East Africa. *Epilepsia* 47 (s4), 378-395.
5. **Warren W. Boling**. Image Guided Keyhole Approach in Surgery for Temporal Lobe Epilepsy. *Epilepsia* 47 (s4), 378-395.
6. Paula Pergami, Christian A. Keller, Adriana E. Palade, John F. Brick, **Warren Boling**, Alexander Torres-Trejo, Daunice Lohr. Surgery for Intractable Epilepsy: Does the Amygdala Play a Role in Post-Operative Weight Gain? *Epilepsia* 47 (s4), 378-395.
7. Alejandro Torres-Trejo, Adriana Palade, **Warren Boling**, John F. Brick. Incidence of Recurrent Seizures after Decreasing the Dose or Discontinuation of Antiepileptic Drugs (AED) in Patients Who Underwent Successful Surgery for Intractable Epilepsy from Cortical Dysplasia. *Epilepsia* 47 (s4), 378-395.
8. **Boling W**, Palade A, Kraszpulski M, Marano G. The Relationship of Metabolism and Epileptic Focus in Temporal Lobe Epilepsy. *Epilepsia* 46 (8), 2005 p. 236
9. **Boling W**, Palade A, Kraszpulski M, Marano G. The Role of FDG-PET in the Localization of Temporal Lobe Epilepsy. *Epilepsia* 46 (suppl 6), 2005 p. 165
10. **Boling W**, Olivier A: Image Guided Keyhole Craniotomy for Selective Amygdalo-hippocampectomy. *Epilepsia* 45 (suppl 7), 2004 p. 333

11. **Boling W**, Palade A, Brick J: Surgical Approach in Patients with Mesial Temporal Sclerosis and Neocortical Scarring. *Epilepsia* 44 (suppl 9), 2003, p. 148
12. Palade A, Brick J, **Boling W**: Interictal Abnormalities in Temporal Lobe Epilepsy. *Epilepsia* 44 (suppl 9), 2003, p. 50

### **Television and Radio: Invited Media Appearances**

1. KESQ Medical Minute, Southern California, June 29, 2016
2. Brain Injury Alliance of Kentucky and UofL Department of Neurosurgery Organized Press Event – BIAK Helmet Giveaway, Portland Elementary School, June 1, 2015
3. “Great Day Live” on WHAS-TV, Louisville, KY. Topic: Epilepsy. November 21, 2013
4. “Wave-3 Listens” on WAVE, NBC television, Louisville, Kentucky. Topic: Epilepsy. December 12, 2012
5. “Wave-3 Listens” on WAVE, NBC television, Louisville, Kentucky. Topic: Epilepsy. December 22, 2011
6. “Doctors On Call” on WSWP-TV, WNPB-TV, and WPBY-TV. Topic: Epilepsy. August 21, 2008
7. “Doctors On Call” on WSWP-TV, WNPB-TV, and WPBY-TV. Topic: Epilepsy. November 1, 2007
8. “HealthLine” on WAJR Radio. Topic: Spine Surgery. Morgantown, WV, June 22, 2006
9. “Doctors On Call” on WSWP-TV, WNPB-TV, and WPBY-TV. Topic: Epilepsy. November 10, 2005
10. “HealthLine” on WAJR Radio. Topic: Epilepsy. Morgantown, WV, September 22, 2005

### **Peer Review Commitments**

Regular ad hoc reviewer for the following journals:

Neurosurgery  
 Clinical Neurology and Neurosurgery  
 Computerized Medical Imaging and Graphics  
 Cleveland Clinic Journal of Medicine  
 European Journal of Neurology  
 Epilepsy Research and Treatment  
 Journal of Neurology, Neurosurgery, and Psychiatry

### **Other Research/Scholarly Activity**

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|---------------------|--|
| <b>2007-present</b> | Service Director, International Consortium for the Treatment of Epilepsy in Underserved Settings (ICTEUS). NGO organization of epilepsy specialists. Our organization assists and provides expertise to hospitals and medical centers in the developing world to initiate, run, and maintain EEG and epilepsy treatment centers.   |
| <b>2007-present</b> | Director, CURE Children’s Hospital of Uganda, Comprehensive Epilepsy Program. A joint project of CURE Children’s Hospital of Uganda Center for Pediatric Neurosurgery (Mbale, Uganda), CURE International (Lemoyne, PA), and University of Louisville (formerly West Virginia University) Departments of Neurology and Neurosurgery. This project evaluates and treats children with epilepsy intractable to medication in East Africa. Funding is from CURE International, USAID, and American Schools and Hospitals Abroad (ASHA). This work is done under a research protocol. The aim is to study the feasibility of a surgery for epilepsy program in the developing world. |
| <b>2003 - 2009</b>  | Member, BrainLAB AG (Munich, Germany), Advisory Panel for the development of Image-Guided Functional Neurosurgery  |

**2002-2009** Health South Rehabilitation Hospital collaboration to investigate the role of formal rehabilitation after surgery for epilepsy.