
Philip Smucker, MD
Neurosurgery

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Practice, training, education, and standardized testing

- Neurosurgery partner, CHRISTUS St. Vincent Neurosurgical Associates
 - Santa Fe, New Mexico: August 2008-present
 - Interests include general neurosurgery, minimally invasive spine surgery, trauma
- Current and prior committee membership includes: Credentials Committee, Trauma Committee, Executive Committee for EMR, Medical Executive Committee, Compensation Committee
 - Department of Surgery Chairman – two terms, August 2015 – 2019
 - ABNS Board Certified – November 2011 - present
 - CSV Medical Group compensation committee chair 2018 - 2022
 - CSV Neurosurgery Lead Physician – 2020 - 2025
- Neurosurgery residency, Indiana University Department of Neurological Surgery
 - Indianapolis, Indiana: July 2002 – June 2008
 - ABNS – Written Neurosurgical Boards Exam: passed 3/25/2006 – Score 657, 95th percentile
- Surgery internship, Indiana University Department of Surgery
 - Indianapolis, Indiana: July 2001 – June 2002
- M.D., Indiana University School of Medicine
 - Indianapolis, Indiana: August 1997 – May 2001
 - AOA inductee – Junior/3rd year: September 1999
 - USMLE Step I passed 6/7/99 – Score 246, 99th percentile
 - USMLE Step II passed 10/25/00
 - USMLE Step III passed 7/11/05
- B.A., Goshen College
 - Goshen, Indiana: August 1993 – May 1997
 - Dual major in chemistry and biology
 - Class rank #1, GPA 4.00

Certification and Licensure

- New Mexico state medical license MD2008-0116: 2008-present
- New Mexico Board of Pharmacy CS0021359: 2008-present
- Federal DEA FS0895120: 2008-present
- Medical license (temporary/resident physician) State of Indiana: 2001 – 2008

Professional memberships

- American Association of Neurological Surgeons
- Congress of Neurological Surgeons
- Neurosurgical Society of America
- AANS/CNS Section on Disorders of the Spine and Peripheral Nerves
- Alpha Omega Alpha
- New Mexico Neuroscience Society

Research experience

- Institute for Applied Neurology, Center for Paralysis Research, Purdue University
 - West Lafayette, Indiana: 2005 – 2006
- Diffuse axonal injury treatment with polyethylene glycol membrane sealants and aldehyde scavengers*
- Imaging Science Division, Department of Radiology, Indiana University School of Medicine

Indianapolis, Indiana: 2005 – 2006

Diffusion weighted MR imaging of rodent traumatic brain injury and treatment

- National Gene Vector Laboratory, Division of Hematology and Oncology, Indiana University School of Medicine
Indianapolis, Indiana: summer 1998
Retroviral packaging, production analysis, and titer optimization
- National Cancer Institute, Surgery Branch, National Institutes of Health
Bethesda, Maryland: summer 1996
Cancer immunotherapy utilizing genetically altered cytotoxic T-lymphocytes expressing chimeric receptors
- Department of Biology, Goshen College
Goshen, Indiana: 1996
Analysis of novel potassium ion transporters in mutant yeast strains

Publications

- Smucker P, Hekmatyar SK, Bansal N, Rodgers RB, Shapiro S, Borgens, RB. Intravenous polyethylene glycol successfully treats severe acceleration-induced brain injury in rats as assessed by magnetic resonance imaging. *Neurosurgery*. 65(5):984-990, 2009 May.
- Brennan RP, Smucker P, Horn EM. Minimally invasive image-guided direct repair of bilateral L5 pars interarticularis defects. *Neurosurgical Focus*. 25(2):E13, 2008.
- Smucker P, Bonnin J, Pritz M. Teflon granuloma with midbrain cysts following microvascular decompression of the trigeminal nerve. *Acta Neurochirurgica*. 149(5):537-539, 2007 May.
- Smucker P, Smith J. Multifocal desmoplastic medulloblastoma in an African-American child with nevoid basal cell carcinoma (Gorlin) syndrome. *Journal of Neurosurgery (Pediatrics)*. 105:315-320, 2006 Oct.
- Reeves L, Smucker P, Cornetta K. Packaging cell line characteristics and optimizing retroviral vector titer: the National Gene Vector Laboratory experience. *Human Gene Therapy*. 11(15):2093-2103, 2000 Oct 10.

Presentations

- Congress of Neurological Surgeons open session on Neurotrauma and Critical care, San Diego, California, 2007. Accepted for open paper oral presentation and digital poster presentation – *Treatment of severe diffuse axonal injury in rats with an acute intravenous dose of polyethylene glycol dramatically reduces cytotoxic edema formation at one week on diffusion-weighted imaging*
- Indiana University Neuroimaging Symposium, Bloomington, Indiana, 2007. Poster – *Successful treatment of diffuse axonal injury with PEG in rats by MRI*
- Indiana University School of Medicine, Dean's Rounds, Indianapolis, Indiana, 2006. Poster – *Multifocal desmoplastic medulloblastoma in an African-American child with nevoid basal cell carcinoma (Gorlin) syndrome*
- Western Student Medical Research Forum, Carmel, California, 1998. Presentation – *Packaging cell line characteristics and optimizing retroviral vector titer: the National Gene Vector Laboratory experience*

Medical honors and awards

- Compassionate Doctor Award by American Registry, 2010
- Congress of Neurological Surgeons Resident Research Award – runner up: September 2007
- Alexander Memorial Scholarship for academic merit, Indiana University School of Medicine: 1997-2001
- Alpha Omega Alpha, Junior year induction: September, 1999
- Sole nominee for Dr. J. William Wright Scholarship for outstanding research and academic achievement, Walther Cancer Institute: 1999
- Morris Green Scholarship for outstanding academic performance, Indiana University School of Medicine: 1999
- E.D. Johns Scholarship for outstanding academic performance, Indiana University School of Medicine: 1998
- Fern Groves Hardiman Award for research achievement, Indiana University School of Medicine: 1998