

Willis-Knighton Health Systems

CURRICULUM VITAE

Name: Jessica Anne Wilden MD

Positions: Neurosurgeon & Director of Tri-State Neurosurgery
Adjunct Professor, Department of Pharmacology, Toxicology, &
Neuroscience, LSU Shreveport

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DOB: February 2, 1979

Citizenship: United States of America

EDUCATION

08/93-05/97 Westside High School
Omaha, Nebraska

08/97-05/01 Washington University BS (Physics & Biology)
St. Louis, Missouri

07/01-05/05 Mayo Clinic College of Medicine MD
Rochester, Minnesota

CLINICAL TRAINING AND EXPERIENCE

07/05-07/06 Department of General Surgery Internship
University of Pennsylvania
Philadelphia, Pennsylvania

07/06-07/07 Department of Neurosurgery Residency (PGY 2)
University of Pennsylvania

Philadelphia, Pennsylvania

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|-------------|---|-----------------------|
| 07/07-07/12 | Department of Neurosurgery
Indiana University
Indianapolis, Indiana | Residency (PGY 3-7) |
| 07/12-07/13 | Department of Neurosurgery
University of California San Francisco
San Francisco, California | Functional Fellowship |

LICENSES, CERTIFICATION

- | | |
|-------|---|
| 08/13 | Medical licensure, State of Louisiana, Current |
| 01/12 | Medical licensure, State of California (A119746), Current |
| 03/03 | USMLE Step I, Pass (241) (2 digit score 97) |
| 03/05 | USMLE Step II, Pass (218) (2 digit score 89) |
| 03/06 | USMLE Step III, Pass (237) (2 digit score 98) |
| 03/10 | Written Neurosurgery Board Exam, Pass (573) |

HONORS AND AWARDS

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| 1997 | Valedictorian | Westside High School |
| 1997 | American Academy of Achievement | Baltimore, Maryland |
| 1997-2001 | Dean's List | Washington University |
| 1997-2001 | Dean's Honorary Academic Scholarship | Washington University |
| 1999 | Neuroscience Research Fellowship | University of Nebraska |
| 2000 | Golden Key National Honor Society | Washington University |
| 2000 | Sigma Xi Scientific Honor Society | Washington University |
| 2001 | Phi Beta Kappa | Washington University |
| 2001 | Summa Cum Laude | Washington University |
| 2010 | Jose Biller Resident Teaching Award | IU Dept of Neurosurgery |
| 2012 | Jose Biller Resident Teaching Award | IU Dept of Neurosurgery |
| 2015 | Evening of Healers Community Award | LSU School of Medicine |
| 2015 | (Patient video from event: http://youtu.be/8ojBJyIDgb8) | |

EDUCATIONAL ACTIVITIES, PRESENTATIONS

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|-----------|--|-----------------------|
| 1997-1998 | Delmar-Harvard School Academic Tutor | Washington University |
| 1997-2001 | Undergraduate Research Assistant
Physics Imaging Laboratory | Washington University |
| 2004 | Neurology Grand Rounds | Mayo Clinic Rochester |

Superficial Siderosis of the Central Nervous System

2004	Neurosurgery Grand Rounds Deep Brain Stimulation for Parkinson's disease	University of Virginia
2004	Neurosurgery Grand Rounds Telovelar Approach to Tumors of the Fourth Ventricle	UCLA
2009-2010	Neurosurgery Weekly Conference Neurosurgery Written Boards Review	Indiana University
2010-present	Research Collaborator Institute of Psychiatric Research	Indiana University
2011-2012	Neurosurgery Monthly Conference Clinical-pathological correlations	Indiana University
2012	Neuroscience Grand Rounds The Many Faces of Deep Brain Stimulation	Indiana University
2013	Neurology Grand Rounds The Neuroanatomical Basis of Alcoholism: Implications for Functional Neurosurgery	Stanford University
2013	Pharmacology Grand Rounds The Neuroanatomical Basis of Alcoholism: New Faculty Lecture	LSU Shreveport
2013	Cellular Biology Grand Rounds The Neuroanatomical Basis of Alcoholism: Faculty Lecture	LSU Shreveport
2013	Neurosurgery Grand Rounds Deep Brain Stimulation: Faculty Lecture	LSU Shreveport
2013	Willis-Knighton North Conference Asleep Deep Brain Stimulation: A Key Element to a Functional Neurosurgery Program	WKN Shreveport
2014	Movement Disorder Symposium Surgery for Movement Disorders	LSU Shreveport
2014	Summer Mini-Med School Presentation Surgery for Movement Disorders	LSU Shreveport
2014-16	Physician-Assistant Lecture	LSU Shreveport

	Introduction to Movement Disorders	
2014	Inpatient Nursing Lecture Surgery for Movement Disorders & Postoperative Nursing Considerations	WKN Shreveport
2014	Victory Summit for Parkinson's Dx Booth for LSU Surgical Movement Disorder Clinic	Dallas, TX
2014 & 15	Medical School Lecture (1 st Year) The Neuroanatomical Basis of Alcoholism	LSU Shreveport
2014	Fall Mini-Med School Presentation Surgery for Movement Disorders	LSU Shreveport
2015	ENT Grand Rounds The Many Faces of Deep Brain Stimulation	LSU Shreveport
2015	Best of Times Radio Show Deep Brain Stimulation for Movement Disorders	LSU Shreveport
2015	Health Matters Radio Show Q&A Movement Disorders	LSU Shreveport
2015	Annual Neuro Update Surgery for Movement Disorders	LSU Shreveport
2016	Health Matters Radio Show Q&A Epilepsy	LSU Shreveport

PROFESSIONAL ORGANIZATIONS

Memberships

- 2007-present Congress of Neurological Surgeons
- 2007-present American Association of Neurological Surgeons
- 2013-present American Society of Stereotactic and Functional Neurosurgery
- 2012-present Movement Disorder Society
- 2015-present Society for Neuroscience

ORAL PRESENTATIONS AT NATIONAL AND INTERNATIONAL MEETINGS

1. Shin AY, Moran SL, Dekutoski MB, **Wilden JA**, Bishop AT. The results of pedicled vascularized rib grafts in complex spinal reconstruction. Presented at: Congress of the World Society for Reconstructive Microsurgery. Heidelberg, Germany, June 11-14th, 2003.
2. Rishavy T, Shin AY, **Wilden J**, Moran SL, Dekutoski MB, Bishop AT. Vascularized Free Fibular Grafts in Spine Reconstruction. Presented at: American Society of Reconstructive Microsurgery Annual Meeting. Rancho Mirage, CA. January 19, 2004.

3. Wharen RE, **Wilden JA**, Putzke JD, Turk MF, Strongosky AJ, Uitti RJ. Is unilateral subthalamic deep brain stimulation a satisfactory treatment option for advanced Parkinson's disease? Presented at: The Fifty-Eighth Annual Meeting of the Neurosurgical Society of America, Sponsored by the American Association of Neurological Surgeons, Eldorado, Santa Fe, New Mexico, June 6-9th, 2004.

4. **Wilden J**, Moran SL, Dekutoski MB, Shin AY, and Bishop AT. The Results of Pedicled Vascularized Rib Grafts in Complicated Segmental Spine Fusion Surgery. Poster Presentation at: 72nd Annual Meeting of the American Academy of Orthopaedic Surgeons. Washington, DC. February 23-27, 2005.

5. Zheng-Ming Ding, Sarah Hall, Eric Engleman, Gerald Deehan, Zhuhua Gu, **Jessica Wilden**, William McBride, Zachary Rodd. Chronic ethanol drinking by alcohol preferring P rats increased basal glutamate neurotransmission in the ventral tegmental area (VTA). Presented at: The Annual Meeting for the Society for Neuroscience – San Diego, CA, 2010.

6. **JA Wilden**, Simon N Katner, Victoria K McQueen, William J McBride, Zachary A Rodd. Pharmacological Silencing of the Nucleus Accumbens Shell Reduces Oral EtOH Consumption in Alcohol-Preferring (P) Rats. Presented at: AANS Annual Scientific Meeting April 9-13, 2011, Denver, Colorado.

7. **JA Wilden**, Sheketha R Hauser, Gerald A Deehan Jr, Zheng-Ming Ding, William A Truitt, William J McBride, Zachary A Rodd. Evidence for Multiple Neurocircuits Regulating EtOH-Seeking: The Basolateral Amygdala is a Critical Component for Environmental Cue Augmentation of EtOH-Seeking. Presented at: AANS Annual Scientific Meeting April 14-18, 2012, Miami Beach, Florida.

8. **Jessica A Wilden**, Sheketha Hauser, Kurt Qing, Pedro Irazoqui, William J McBride, Zachary A Rodd. Unilateral High Frequency Stimulation of the Nucleus Accumbens Shell Reduces Oral EtOH Consumption in Alcohol-Preferring (P) Rats. Presented at: AANS Annual Scientific Meeting April 2013, New Orleans, LA.

9. Richard Menger MD, Anil Nanda MD, **JA Wilden MD**. A Critical Analysis of the Medicare Reimbursements Trends Among Neurosurgeons in Louisiana. Presented at: Louisiana Neurosurgical Society Annual Meeting, January, 2015, New Orleans, Louisiana. First place presentation.

10. Rimal Dossani MD **JA Wilden MD**. Gamma knife thalamotomy for treatment of tremor disorders; a case series and overview of literature. Presented at: Louisiana Neurosurgical Society Annual Meeting, January, 2016, New Orleans, Louisiana. First place presentation.

PUBLICATIONS

1. **Wilden JA**, Kumar N, Lindell P, Davis DH. Unusual neuroimaging in a case of superficial siderosis of the central nervous system. *Neurology* 2005; 65: 489.
2. Kumar N, Lindell P, **Wilden JA** and Davis DH. Role of dynamic CT myelography in identifying the etiology of superficial siderosis. *Neurology*. 2005 Aug 9; 65(3):486-8.
3. **Wilden JA**, Shin AY, Dekutoski MB, Moran SL, Bishop AT. The results of pedicled vascularized rib grafts in complex spinal reconstruction. *Journal of Bone and Joint Surgery* 2006, 88: 832-839.
4. **Wilden JA**, Moran SL, Dekutoski MB, Bishop AT, Shin AY. Results of vascularized rib grafts in complex spinal reconstruction. Surgical technique. *Journal of Bone and Joint Surgery* 2007, 89(2):128-141.
5. Shabbar F Danish, MD, **Jessica A Wilden MD** and James Schuster, MD. Iatrogenic paraplegia in two morbidly obese patients with ankylosing spondylitis undergoing total hip arthroplasty. *Journal of Neurosurgery, Spine* (2008) 8: 80-83.
6. **JA Wilden, MD** and Aaron Cohen-Gadol, MD. Evaluation of a First Nonfebrile Seizure. *American Family Physician* (2012) 86(4): 334-40.
7. **Jessica A. Wilden, MD**, Jason Voorhies, MD, Kristine M. Mosier DMD, PhD, Darren P. O'Neill, MD, and Aaron A. Cohen-Gadol, MD, MSc. Strategies to Maximize Resection of Complex, or High Surgical Risk, Low-Grade Gliomas. *Neurosurg Focus*. 2013 Feb; 34(2):E5. doi: 10.3171/2012.12.FOCUS12338.
8. Gerald A Deehan, Sheketha R Hauser, **Jessica A Wilden**, William A Truitt, Zachary A Rodd. Elucidating the Biological Basis for the Reinforcing Actions of Alcohol in the Mesolimbic Dopamine System: The Role of Active Metabolites of Alcohol. *Front Behav Neurosci*. 2013 Aug 23; 7:104. doi: 10.3389/fnbeh.2013.00104.
9. Mayur Sharma MD, MCh, Sudheer Ambekar MD, MCh, Bharat Guthikonda MD, **Jessica Wilden MD**, Anil Nanda MD, MPH, FACS. Regional trends and the impact of various patient and hospital factors on outcomes and costs of hospitalization between academic and non-academic centers following deep brain stimulation surgery for Parkinson's disease: A United States Nationwide Inpatient Sample Analysis from 2006-2010. *Neurosurg Focus*. 2013 Nov; 35(5):E2. doi: 10.3171/2013.8.FOCUS13295.
10. Shyamal Bir MD, David Conner MD, Sudheer Ambekar MD, **Jessica A Wilden MD**, and Anil Nanda MD. Factors Predictive of Improved Overall Survival Following Stereotactic Radiosurgery (SRS) for Glioblastoma (GBM). *Neurosurg Rev*. 2015 Apr 14.
11. **JA Wilden MD**, Sheketha Hauser PhD, William J McBride PhD, and Zachary A Rodd PhD. Reduced ethanol consumption by alcohol-preferring (P) rats following

pharmacological silencing and deep brain stimulation of the nucleus accumbens shell. *J Neurosurg.* 2014 Apr; 120(4):997-1005. doi: 10.3171/2013.12.JNS13205.

12. W. A. Truitt, S. R. Hauser, G. A. Deehan, Jr., J. E. Toalston, **J. A. Wilden**, R. L. Bell W. J. McBride and Z. A. Rodd. Ethanol and nicotine interaction within the posterior ventral tegmental area in male and female alcohol-preferring rats: evidence of synergy and differential gene activation in the nucleus accumbens shell. *Psychopharmacology (Berl)*. 2015 Feb; 232(3):639-49. doi: 10.1007/s00213-014-3702-3. Epub 2014 Aug 26.

13. Hauser, Sheketha, **Wilden, Jessica**, Deehan Jr, Gerald, McBride, William, and Rodd, Zachary. Cocaine Influences Alcohol-Seeking Behavior and Relapse Drinking in Alcohol-Preferring (P) Rats. *Alcohol Clin Exp Res.* 2014 Oct; 38(10): 2678-86. doi: 10.1111/acer.12540.

14. Manix, Marc, **Wilden, Jessica**, and Cuellar, Hugo. Percutaneous retrieval of an intrathecal foreign body: technical note. *BMJ Case Rep.* 2014 Oct 7; 2014. doi: 10.1136/bcr-2014-011429.

15. Kalakoti P, Ahmed O, Bollam P, Missios S, **Wilden J**, Nanda A. Predictors of unfavorable outcomes following deep brain stimulation for movement disorders and the effect of hospital case volume on outcomes: an analysis of 33, 642 patients across 234 US hospitals using the National (Nationwide) Inpatient Sample from 2002 to 2011. *Neurosurg Focus* (2015); 38(6): E4. doi: 10.3171/2015.3.FOCUS1547.

16. Batra, Vinita, Guerin, Glenn, Goeders, Nicholas, **Wilden, JA**. A General Method for Evaluating Deep Brain Stimulation Effects On Intravenous Methamphetamine Self-Administration. *J. Vis. Exp.* (107), e53266, doi:10.3791/53266 (2016).

17. Richard Menger MD, Anil Nanda MD, **JA Wilden MD**. A Critical Analysis of the Medicare Reimbursements Trends Among Neurosurgeons in Louisiana. (In revision, Neurosurgery, September 2015).

18. Vinita Batra PhD, Thanh Lam N Tran, Glenn Guerin, Nicholas Goeders PhD, **JA Wilden MD**. Intermittent bilateral high frequency deep brain stimulation of nucleus accumbens shell reduces IV methamphetamine self-administration in Wistar rats. *J Neurosurg.* Published online July 8, 2016; DOI: 10.3171/2016.4.JNS152524

ABSTRACTS

1. **JA Wilden**, Curtis D Bard, William J McBride, Zachary A Rodd. Addition in Addiction: Self-Administration of Cocaine and Ethanol Directly into the Nucleus Accumbens Shell of Alcohol-Preferring (P) Rats. 2nd place in functional category at AANS Annual Scientific Meeting April 9-13, 2011, Denver, Colorado. Published in *Journal of Neurosurgery*, August, 2011.

2. **Wilden, J. A.**, Ryapolova-Webb, E.S., Starr, P.A. The relationship of STN neuronal discharge to symptom type and severity in Parkinson's disease. Movement Disorder Society (MDS) Annual Meeting June 16-20, 2013, Sydney, Australia.
3. Mayur Sharma MD, MCh, Sudheer Ambekar MD, MCh, Bharat Guthikonda MD, **Jessica Wilden MD**, Anil Nanda MD, MPH, FACS. Regional trends and the impact of various patient and hospital factors on outcomes and costs of hospitalization between academic and non-academic centers following deep brain stimulation surgery for Parkinson's disease: A United States Nationwide Inpatient Sample Analysis from 2006-2010. AANS Annual Scientific Meeting April 5-9, 2014, San Francisco, California.
4. Shyamal Bir MD, David Conner MD, Sudheer Ambekar MD, **Jessica A Wilden MD**, and Anil Nanda MD. Factors Predictive of Improved Overall Survival Following Stereotactic Radiosurgery (SRS) for Glioblastoma (GBM). CNS Annual Scientific Meeting October 18-22, 2014 Boston, Massachusetts.
5. Vinita Batra PhD, **Jessica Wilden MD**, and Michael Salvatore PhD. Investigation of age-related vulnerability of the nigrostriatal pathway to escalating dose methamphetamine administration. Society for Neuroscience Annual Scientific Meeting November 15-19, 2014, Washington, DC.
6. Vinita Batra PhD, Glenn Guerin, Nicholas Goeders PhD, **JA Wilden MD**. Unilateral Deep Brain Stimulation of Nucleus Accumbens Shell Reduces IV Methamphetamine Self-Administration in Wistar Rats. 3rd place in functional category at AANS Annual Scientific Meeting May 2-6, 2014, Washington, DC.
7. Richard Menger MD, Anil Nanda MD, **JA Wilden MD**. A Critical Analysis of the Medicare Reimbursements Trends Among Neurosurgeons in Louisiana. CNS Annual Scientific Meeting September 26-30, 2015, New Orleans, Louisiana.
8. Vinita Batra PhD, Glenn Guerin, Nicholas Goeders PhD, **JA Wilden MD**. Intermittent bilateral deep brain stimulation of nucleus accumbens shell reduces IV methamphetamine self-administration in Wistar rats. Society for Neuroscience Meeting, October 17-21, Chicago, Illinois.
9. Vinita Batra PhD, Thanh Lam N Tran, Glenn F Guerin, Nicholas E Goeders PhD, and **Jessica Wilden MD**. Initial Extended Access to Methamphetamine During Acquisition Promotes Stable but Intense IV Self-Administration During Maintenance in Wistar Rats. Society for Neuroscience Meeting, October 17-21, Chicago, Illinois.

RESEARCH SUPPORT

R21AA022167-01 Rodd (PI) **Wilden (Co)** Irazoqui (Co) 8/23/13-8/23/15

NIAAA \$400,000.00

Preclinical Assessment of Deep Brain Stimulation for the Treatment of Alcoholism

The overall goals of this proposal are to understand the brain mechanisms underlying

the possible efficacy of deep brain stimulation for alcohol dependence and to develop better technologies to study deep brain stimulation in the alcohol-preferring (P) rat.

Grant-In-Aid **Wilden (PI)** 1/1/14-7/1/15

Intramural Research Support LSUHSC-S \$25,000.00

Preclinical Investigation of Deep Brain Stimulation in IV Methamphetamine Abuse

The overall goals of this proposal are to understand the brain mechanisms underlying the possible efficacy of deep brain stimulation (DBS) for IV methamphetamine dependence and to develop better strategies to study DBS in the drug-addicted rodent.

Research Council Award **Wilden (PI)** 1/1/15-1/1/16

Intramural Research Support LSUHSC-S \$50,000.00

Preclinical Investigation of Deep Brain Stimulation in IV Methamphetamine Abuse

The overall goals of this proposal are to understand the brain mechanisms underlying the possible efficacy of deep brain stimulation (DBS) for IV methamphetamine dependence and to develop better strategies to study DBS in the drug-addicted rodent.

NREF Research Grant & Young Clinical Investigator Fellowship **Wilden (PI)** 2014-15

Extramural Research Support AANS \$40,000.00

Preclinical Investigation of Deep Brain Stimulation in IV Methamphetamine Abuse

The overall goals of this proposal are to understand the brain mechanisms underlying the possible efficacy of deep brain stimulation (DBS) for IV methamphetamine dependence and to develop better strategies to study DBS in the drug-addicted rodent.