

## **Curriculum Vitae**

Scott K. Sanders, M.D., Ph.D.

### **OFFICE ADDRESS**

Indiana Neuro-ophthalmology & Center for Balance, LLC  
3721 Rome Drive, Suite A  
Lafayette, IN 47905

Telephone: (765) 807-7100

Fax: (765) 807-7101

Toll Free (877) 334-6622

Website: [www.INOCB.com](http://www.INOCB.com)

### **SPECIALTY**

Neurology

Neuro-ophthalmology

Vestibular Medicine

### **FELLOWSHIP**

Neuro-ophthalmology

Department of Ophthalmology

Indiana University Medical Center and Midwest Eye Institute

Indianapolis, IN

July 1999 - June 2000

### **RESIDENCY**

Neurology

Department of Neurology

Indiana University Medical Center

Indianapolis, IN

July 1996 - June 1999

### **INTERNSHIP**

Internal Medicine

Department of Medical Education

St. Vincent Hospital

Indianapolis, IN

July 1995 - June 1996

## GRADUATE EDUCATION

Combined Degree Program

Indiana University School of Medicine (M.D.) and

Indiana University Graduate School (Ph.D.)

Major: Medical Neurobiology

Minor: Pharmacology

Indianapolis, IN

M.D. degree conferred May 1995

Ph.D. degree conferred April 2001

## UNDERGRADUATE EDUCATION

Purdue University Schools of Engineering

Bachelor of Science in Biomedical Engineering (B.S.E.)

West Lafayette, IN

August 1985 - May 1989

## PROFESSIONAL EXPERIENCE

Neuro-ophthalmologist and Vestibular Medicine Specialist

Indiana Neuro-ophthalmology & Center for Balance

Lafayette, IN

February 2007 – Present

Neuro-ophthalmologist

JWM Neurology

Indianapolis, IN

July 2002 – January 2007

Neuro-ophthalmologist

Associated Vitreoretinal and Uveitis Consultants

Indianapolis, IN

July 2000 - June 2002

Neuro-ophthalmology Fellow

Indiana University Medical Center

Department of Ophthalmology

Indianapolis, IN

July 1999 - June 2000

Neurology Resident  
Indiana University Medical Center  
Department of Neurology  
Indianapolis, IN  
July 1996 - June 1999  
Chief Neurology Resident January 1999 - June 1999

Medicine Intern  
St. Vincent Hospital  
Department of Medical Education  
Indianapolis, IN  
July 1995 - June 1996

Emergency Room Extern  
Henry County Memorial Hospital  
New Castle, IN  
November 1993 - May 1995  
Chief Extern June 1994 - May 1995

Lab Technician  
Great Lakes Chemical Corporation  
West Lafayette, IN  
May 1988 - June 1989

Cooperative Education Student (Purdue University)  
NASA - Johnson Space Center  
Electrical Engineering Radar Lab  
Houston, TX  
June 1987 - August 1987

Cooperative Education Student (Purdue University)  
NASA - Johnson Space Center  
Training Division  
Houston, TX  
August 1986 - December 1986

#### HONORS AND AWARDS

Winner of Neurology Resident Scholarship from the  
Annual Meeting Scholarship for Residents Program, 1998  
Winner of the Ross Paper Presentation for Neurology Residents, 1998  
Nominated for Merritt-Putnam Epilepsy Update for Neurology  
Residents and Fellows, April 1998  
Alexander Treolar Ross Award in Neurology, 1995

Distinguished Student, Purdue University, 1985 - 1989  
Golden Key National Honor Society, Purdue University, 1988 - 1989  
Tau Beta Pi Engineering Honor Society, Purdue University, 1988 - 1989  
Cooperative Education Engineering Program, Purdue University, 1986 - 1987  
Phi Eta Sigma Freshman Honor Society, Purdue University, 1986  
Valedictorian, Lebanon High School, Lebanon, IN, 1985

#### PROFESSIONAL SOCIETIES

American Academy of Balance Medicine, 2004 - 2008  
Vestibular Disorders Association, 2003 - present  
American Medical Association, 2002 - present  
Indianapolis Medical Society, 2002 - present  
Indiana State Medical Association, 2002 - present  
North American Neuro-ophthalmology Society, 2001 - present  
Indiana Academy of Ophthalmology, 2000 - present  
American Academy of Neurology, 1997 - present  
Society for Neuroscience (national and local), 1990 -1995

#### PUBLICATIONS

Sanders SK and Shekhar A, Blockade of GABAA receptors in the region of the anterior basolateral amygdala of rats elicits increases in heart rate and blood pressure, *Brain Research*, 567 (1): 101-110, 1991

Sanders SK and Shekhar A, Anxiolytic effects of chlordiazepoxide blocked by injection of GABAA and benzodiazepine receptor antagonists in the region of the anterior basolateral amygdala of rats, *Biological Psychiatry*, 37 (7): 473-476, 1995

Sanders SK, Morzorati SL, Shekhar A, Priming of experimental anxiety by repeated subthreshold GABA blockade in the rat amygdala, *Brain Research*, 699: 250-259, 1995

Sanders SK and Shekhar A, Regulation of anxiety by GABAA receptors in the basolateral and central nuclei of the rat amygdala, *Pharmacology, Biochemistry & Behavior*, 52 (4): 701-706, 1995

Shekhar A, Sajdyk TS, Keim SR, Yoder KK, Sanders SK, Role of the basolateral amygdala in Panic Disorder, *Annals of the New York Academy of Sciences*, 877: 747-750, 1999

Sanders S, Kawasaki A, Purvin VA, Patterns of Extraocular Muscle Weakness in Vasculopathic Pupil-Sparing, Incomplete Third Nerve Palsy, Journal of Neuro-Ophthalmology, 21 (4): 256-259, 2001

Sanders SK, Kawasaki A, Purvin VA, Long-term Prognosis in Patients with Vasculopathic Sixth Nerve Palsy, American Journal of Ophthalmology, 134 (1):81-84, 2002

#### ABSTRACTS

Sanders SK and Shekhar A, GABA blockade in the region of the anterior basolateral amygdala elicits a defense reaction, Society for Neuroscience Abstracts, 16: 736, 1990

Sanders SK and Shekhar A, GABA blockade in the region of the anterior basolateral amygdala (BLA) elicits "anxiety" in the absence of cardiovascular stimulation, Society for Neuroscience Abstracts, 17: 665, 1991

Sanders SK and Shekhar A, Repeated injection of the GABAA antagonist BMI into the anterior basolateral amygdala (BLA) "kindles" experimental anxiety in rats, Society for Neuroscience Abstracts, 18: 873, 1992

Sanders SK, Keim SR, Simon JR, Shekhar A, Inhibition of GABA synthesis in the region of the anterior basolateral amygdala elicits increases in heart rate, blood pressure and experimental anxiety in rats, Society for Neuroscience Abstracts, 19: 373, 1993

Sanders SK, Kawasaki A, Purvin VA, Long term prognosis in patients with vasculopathic abducens nerve palsy, North American Neuro-ophthalmology Society, 25: 78, 1999

Sanders SK, Kawasaki A, Purvin VA, Partial pupil-sparing vasculopathic third nerve palsy: pattern of extraocular muscle involvement, North American Neuro-ophthalmology Society, 26: 62, 2000

#### LECTURES

Neuro-ophthalmology. Audience: Optometrists; Location: Eiteljorg Museum, Indianapolis, IN; Date: June 2001

Optic Neuritis. Audience: Optometrists; Location: C-Ray's Restaurant, W. Lafayette, IN; Date: January 28, 2002

Neuro-ophthalmology 101. Audience: Medicine Interns and Residents; Location: St. Vincent Hospital, Indianapolis, IN; Date: January 30, 2002

Optic Neuritis and Non-arteritic Ischemic Optic Neuropathy. Audience: Medicine Interns and Residents; Location: St. Vincent Hospital, Indianapolis, IN; Date: August 6, 2002

Ross Syndrome. Audience: Neurologists; Neurology Grand Rounds; Location: Community Hospital North, Indianapolis, IN; Date: August 20, 2002

Neuro-ophthalmology. Audience: Optometrists; Location: Pankratz Eye Institute, Columbus, IN; Date: September 10, 2002

Neuro-ophthalmology. Audience: Physicians, Physician Assistants, Nurses; Location: Montage, Indianapolis, IN; Date: March 1, 2003

Diplopia. Audience: Medicine Interns and Residents; Location: St. Vincent Hospital, Indianapolis, IN; Date: May 8, 2003

Corticosteroids and Other Immunosuppressive Therapies in Neuro-ophthalmology. Audience: Optometrists; Location: Ritz Charles, Carmel, IN; Date: June 8, 2003

When to Refer to a Neuro-ophthalmologist. Audience: Physicians, Physician Assistants; Location: Primo South, Indianapolis, IN; Date: March 6, 2004

Stop the Spinning!! Effective Treatments for Dizziness. Neuroscience Symposium presented by Indiana Neuroscience Institute. Audience: Physicians, Nurses; Location: Holiday Inn North, Indianapolis, IN; Date: May 21, 2004

Electroneurodiagnostics in Neuro-ophthalmology. Audience: Indiana Society of Electroneurodiagnostic Technicians & Technologists (ISETT). Location: Ritz Charles, Carmel, IN; Date: June 18, 2004

Neuro-ophthalmologic Findings in Patients with Non-organic Visual Loss. Audience: Ophthalmologic Technicians; Location: Ritz Charles, Carmel, IN; Date: September 17, 2004

Jeepers, Creepy Peepers!. Audience: Optometrists; Location: Hunter's Pub, Lafayette, IN; Date: February 22, 2005

"Doctor, I am Dizzy": Balance disorders testing. Audience: Physicians, Physician Assistants; Location: Sheraton Indianapolis Hotel and Suites, Indianapolis, IN; Date: March 5, 2005

Pertinent Pupillary Problems. Audience: Ophthalmologic Technicians; Location: Ritz Charles, Carmel, IN; Date: September 16, 2005

Dizziness Differential Diagnostic Dilemmas, Audience: Physicians, Physician Assistants; Location: Montage, Indianapolis, IN; Date: March 4, 2006

Neuro-ophthalmology 101 and 501, Audience: Optometrists; Location: Sheraton Hotel, Indianapolis, IN; Date: March 17, 2007

Doctor, Why Am I Dizzy? Audience: Physicians, Optometrists, Physical and Occupational Therapists, Audiologists; Location: Best Western, Lafayette, IN; Date: May 19, 2007

Vision Restoration Therapy, Audience: Optometrists of Tecumseh Optometric Society; Location: Hunter's Pub, Lafayette, IN; Date: May 21, 2007

Fall Prevention: What we can do to keep our patients from falling. Audience: Physicians, Nurse Practitioner, Physical and Occupational Therapists, Audiologists; Location: Birck Boilermaker Complex, West Lafayette, IN; Date: September 14, 2007

From Optic Neuropathy to Neuroplasticity. Indiana Academy of Ophthalmology Meeting 2007. Audience: Ophthalmologists; Location: Bloomington, IN; Date: September 28, 2007

Neuro-ophthalmology Review. Audience: Neurologists, Ophthalmologists, Optometrists; Location: Best Western, Lafayette, IN; Date: October 9, 2007

Vertigo in the Acute Care Setting. Audience: Internal Medicine and Family Practice Physicians, Physical Therapists; Location: Home Hospital, Lafayette, IN; Date: November 28, 2007

A New Treatment for Neurological Vision Loss. Audience: Ophthalmologists, Occupational Therapists, Patients; Location: Ritz Charles, Carmel, IN; Date: April 29, 2008

Vestibular Update 2008: Recent Developments in the Diagnosis and Treatment of the Dizzy Patient. Audience: Physicians, Nurse Practitioners, Physical and Occupational Therapists, Audiologists; Location: Birck Boilermaker Complex, West Lafayette, IN; Date: September 12, 2008

Answers to your Questions About MS. Audience: MS patients and caregivers; Lafayette MS support group meeting. Location: Rosewalk Village, Lafayette, IN; Date: November 10, 2008

My MS, My Choice. Audience: MS patients and caregivers. Location: Best Western, Lafayette, IN. Date: November 12, 2008

Neuro-plasticity in a New Century. Audience: Occupational Therapists; IOTA Interdisciplinary Vision Conference. Location: Kathryn Weil Center for Education, Lafayette, IN; Date: February 28, 2009

Fatigue and Cognitive Dysfunction in MS. Audience: MS patients and caregivers; Lafayette MS support group meeting. Location: Rosewalk Village, Lafayette, IN; Date: August 5, 2009.

Dizziness and Vertigo. Audience: Physicians of American Health Network; Location: Prestwick Building, Avon, IN. Date: October 20, 2009.

Neuro-ophthalmology Potpourri; Focus on Education Update 2009 (sponsored by Cornea Research Foundation of America and Price Vision Group). Audience: Optometrists. Location: Ritz Charles, Carmel, IN. Date: November 7, 2009.

“Doctor, I’m Dizzy”. Audience: Physicians, Nurses, Optometrist, Physical Therapists, Medical Students, Social Worker. Location: Holiday Inn, City Centre, Lafayette, IN; Date: February 24, 2010.

“Doctor, I’m Dizzy”. Audience: Physicians. Location: RHI, Indianapolis, IN; Date: May 12, 2010.

#### PROFESSIONAL CERTIFICATION

American Board of Psychiatry and Neurology 2002

National Board of Medical Examiners 1996

#### LEADERSHIP

AAN Neurology on the Hill 2006

President, American Academy of Balance Medicine 2006 - 2007

Indiana Academy of Ophthalmology Legislative Committee 2005

JWM Executive Committee 2004 - 2006

#### LICENSURE

Indiana