

## Neil Sandhu, M.D., FAAD

### ***Education***

*Dermatology Residency including Cosmetic and Mohs Surgery Training*  
*Chief Dermatology Resident 2011-2012*

**UMDNJ-New Jersey Medical School**

Newark, NJ

*Transitional Internship*

**Virginia Mason Medical Center**

Seattle, WA

*Medical School*

**University of Wisconsin School of Medicine & Public Health**

Doctor of Medicine

GPA 3.90/4.0 Class Rank: Top 10% AOA

*Undergraduate*

**University of Wisconsin-Green Bay**

Bachelor of Science, Human Biology (Health Sciences)

Minors, Chemistry and Psychology

Graduated Summa Cum Laude

GPA 3.96/4.0

### ***Honors and Awards***

- 2007 Alpha Omega Alpha Honorary Medical Society
- 2006 Reach Out and Read/Medic Award of Appreciation (Service Award)
- 2005 Herman Shapiro Summer Research Award
- 2004-2005 Phi Kappa Phi National Honors Society
- 2004 Phi Kappa Phi Graduate (Medical) School Fellowship/Scholarship
- 2004 University of Wisconsin Chancellor's Leadership Medallion
- 2000-2004 Dean's List (8 Semesters)
- 2001-2004 Beta Beta Beta National Biomedical Honors Society
- 2000-2004 Phi Eta Sigma National Honors Society
- 2003 Special Olympics Volunteer of the Year Award
- 2003 Dr. Donnel Sullivan Scholarship (for academic achievement)
- 2003 Dr. Herbert Sandmire Scholarship (for academic achievement)
- 2003 UW-Green Bay Alumni Association Scholarship
- 2003 Albert Einstein/Mahatma Gandhi Award for Excellence in Research
- 2003 Sexual Assault Center Award of Appreciation (Service Award)
- 2002 UW-Green Bay Celebrating Success (Multicultural Community Award)
- 2002 UW-Green Bay Leadership Development Certificate
- 2002 National Collegiate Minority Leadership Award
- 2002 USAA All-American Scholar
- 2000 Optimist Friend of Youth Community Service Award

### ***Certifications***

- 2014 Fellow, American Society of Mohs Surgery
- 2013 Fellow, American Academy of Dermatology
- 2013 Fellow, American Society of Dermatologic Surgery
- 2013 Diplomate, American Board of Dermatology
- 2011 Basic Life Support (BLS)
- 2008 Advanced Cardiac Life Support (ACLS)

### ***Publications***

- 2014 **Sandhu N.** Chronic Mucocutaneous Candidiasis. Medscape Reference. Updated October 07, 2014. Available at: <http://emedicine.medscape.com/article/1091928-overview>.
- 2014 **Sandhu N.** Pemphigus Herpetiformis. Medscape Reference. Updated October 07, 2014. Available at: <http://emedicine.medscape.com/article/1064550-overview>.
- 2014 **Sandhu N.** IgA Pemphigus. Medscape Reference. Updated October 07, 2014. Available at: <http://emedicine.medscape.com/article/1063776-overview>.
- 2010 **Sandhu N, Schwartz RA:** Tar in dermatology – review of the therapeutic evidence. In: Evidence Based Dermatology, HI Maibach, F Gorouhi, Eds, 2nd edition, PMPH-USA, Shelton, Connecticut, in press.
- 2010 **Sandhu N, Schwartz RA.** Extramammary Paget Disease. Medscape Reference. Updated October 03, 2014. Available at: <http://emedicine.medscape.com/article/1100397-overview>.
- 2010 **Sandhu N, Goldberg DJ.** Carbon Dioxide Cutaneous Laser Resurfacing. Medscape Reference. Updated October 07, 2014. Available at: <http://emedicine.medscape.com/article/1120283-overview>.
- 2009 **Brace CL, Sampson LA, Hinshaw JL, Sandhu N, Lee FT Jr.** “Radiofrequency ablation: simultaneous application of multiple electrodes via switching creates larger, more confluent ablations than sequential application in a large animal model.” J Vasc Interv Radiol. 2009 Jan;20(1): 118-24. Epub 2008 Nov 18.

### ***Invited Presentations***

- 2010 **Sandhu N, Lambert, WC.** “Molecular Diagnosis of Aggressive Basal Cell Carcinoma.” New York Academy of Medicine Annual Dermatology Residents Meeting, New York City, NY, June 2010.
- 2008 **Sandhu N, Hinshaw L, Lee Jr FT, Brace CL.** “Sequential versus simultaneous application of multiple-electrodes for RF ablation: Quantifying thermal synergy.” Society of Interventional Radiology Annual Scientific Meeting, Washington, DC, March 2008.

- 2005 **Sandhu N**, Lahvis GP, Murphy J. “Differences in neuronal vascularity in social vs. isolated fragile X mice.” University of Wisconsin Herman Shapiro Summer Research Symposium, Madison, WI, November 2005.
- 2003 **Sandhu N**, Johnstone, B, Mount D. “Rural/urban differences in vocational rehabilitation outcomes for individuals with epilepsy.” University of Missouri-Columbia Biomedical Summer Research Day, Columbia, MO, July 2003.

### ***Abstracts***

- 2008 **Sandhu N**, Hinshaw L, Lee Jr FT, Brace CL. “Sequential versus simultaneous application of multiple-electrodes for RF ablation: Quantifying thermal synergy.” *Journal of Vascular and Interventional Radiology (JVIR)*.
- 2005 **Sandhu N**, Lahvis GP, Murphy J. “Differences in neuronal vascularity in social vs. isolated fragile X mice.” University of Wisconsin Herman Shapiro Summer Research Program.
- 2003 **Sandhu N**, Johnstone, B, Mount D. “Rural/urban differences in vocational rehabilitation outcomes for individuals with epilepsy.” University of Missouri-Columbia Biomedical Summer Research Program.
- 2003 **Sandhu N**, Hanke CJ. “Quantitative calcium flux assay in regards to penicillin-receptor activation.” Adrenal Signal Transduction Laboratory at the University of Wisconsin-Green Bay.

### ***Research***

- 2007 *University of Wisconsin Department of Radiology*  
**Research Assistant**  
 Chief Investigators: Fred Lee, MD, Christopher Brace, PhD,  
 “Quantifying the effect of ‘thermal synergy’ during radiofrequency ablation, microwave ablation and cryoablation by comparing simultaneous activation of multiple applicators in proximity versus sequential application.”
- 2007 *University of Wisconsin Department of Neuroradiology*  
**Research Assistant**  
 Chief Investigators: Victor Haughton, MD,  
 “Quantifying cerebrospinal fluid flow abnormalities in Chiari 0 patients at the level of the foramen magnum using cardiac-link phase-contrast MR imaging.”

- 2005 *University of Wisconsin Department of Plastic and Reconstructive Surgery*  
**University of Wisconsin Herman Shapiro Research Program,**  
Chief Investigators: Garet Lahvis, PhD, Jennifer Murphy, MD,  
“Differences in neuronal vascularity using L esculentum lectin, a  
vascular dye, in social vs. isolated fragile X mice.”
- 2003 *University of Missouri-Columbia Department of Health Psychology*  
**University of Missouri Biomedical Summer Research Fellowship**  
Chief Investigators: Brick Johnstone, PhD, David Mount, PhD,  
Analyzed computer database for rural/urban differences in vocational  
rehabilitative outcomes for individuals with epilepsy.
- 2002 *St. Vincent's Hospital, Green Bay, WI, Department of Neurology*  
**University of Wisconsin-Green Bay Internship**  
Chief Investigator: Gerald Bannish, MD,  
Performed EEGs and neuropsychological battery testing on patients  
with benign rolandic epilepsy and their family members
- 2002 *University of Wisconsin-Green Bay Department of Human Biology*  
**Research Assistant**  
Chief Investigators: Craig Hanke, PhD,  
Performed buffer/cell culture preparations as well as microscopy/data  
analysis to quantify external versus internal calcium concentrations  
upon penicillin-receptor activation.

### ***Other Work Experience***

- 2007 *University of Wisconsin School of Medicine and Public Health*  
**USMLE Step 1 Tutor**  
Organized weekly study group meeting for the USMLE step 1 exam  
with 2<sup>nd</sup> year medical students.
- University of Wisconsin-Green Bay*  
**Organic Chemistry Teaching Assistant**  
Organized review sessions in a question and answer format for organic  
chemistry students. Created lecture materials/handouts and test  
questions for students.
- University of Wisconsin-Green Bay Academic Services*  
**Academic Tutor**  
Helped tutor fellow classmates in areas of organic chemistry,  
molecular biology, human physiology/anatomy, physics and calculus.

*St. Vincent's Hospital, Green Bay, WI, Laboratory*

**Phlebotomist/Lab Aide**

Obtained venopunctures, blood cultures, arterial blood gas samples and finger/heel sticks in the NICU.

Performed/analyzed urine and stool cultures/analyses.

Performed EKGs throughout the hospital.

*Fox Valley Autism Treatment Program, Green Bay, WI*

**Autistic Line Therapist**

Conducted intensive, in-home behavioral treatment for both patients and their families.

Worked with 3 children with different degrees of autism.

Worked on behavioral, academic and physical therapies.

*Northeast Wisconsin MRI Center, Green Bay, WI*

**Medical Receptionist**

Worked in both the scheduling and pre-screening departments.

Taught basic screening questions for patients getting an MRI.

Had frequent one-on-one teaching sessions with radiologists.

***Community Service/Volunteer***

*University of Wisconsin School of Medicine and Public Health*

**Reach Out and Read Head Coordinator**

Initiated and maintained Reach Out and Read programs at two student-run clinics in underserved areas of Madison, WI.

Helped to create and coordinate "Border's Benefits Fundraiser" to raise money to purchase a greater supply of books for underserved families.

*University of Wisconsin School of Medicine and Public Health*

**Mentor Achievement Program Co-Leader**

Actively recruited mentors (medical students) who are committed to encouraging intellectual curiosity and physical activities in helping disadvantaged children.

Helped to create and coordinate "Take Your Mentee To School Day" where children were exposed to various science exhibits and cadavers.

*University of Wisconsin School of Medicine and Public Health*

**MEDIC Volunteer**

MEDIC Clinics are six free clinics run by medical students for the underserved.

Actively participated in patient care at Grace Clinic

*University of Wisconsin School of Medicine and Public Health*

**Medical Students for Minority Concerns Volunteer**

Coordinates student groups, area physicians and local businesses in a united effort to provide basic health information, teaching and services to the underserved Madison community.

Volunteered as a phlebotomist/cardiovascular health care advocate at yearly fair.

*University of Wisconsin School of Medicine and Public Health*

**Doctor's Ought to Care Organization Volunteer**

Presented short human anatomy/physiology lectures to local area school children.

*University of Wisconsin School of Medicine and Public Health*

**Medical Student Association Council Member**

Oversaw the budgets of each student-run organization, organized social and entertainment events (Dean's cup), coordinated service projects in Madison, organized clothing and equipment sales.

Head coordinator of the Communications Committee (helped design medical student website).

*University of Wisconsin-Madison*

**Indian Student Association Member/Volunteer**

Provided the Madison campus and community members of Indian origin with an opportunity to preserve their heritage through cultural activities and social events, as well as expose those not familiar with the Indian subcontinent to its culture and people.

Participated in an Indian-style dance at the yearly "India Night" event.

*University of Wisconsin School of Medicine and Public Health*

**Habitat for Humanity Volunteer**

Helped construct new homes for the underserved communities in New Orleans.

*Special Olympics of Wisconsin, Green Bay, WI*

**Green Bay Metros Special Olympics Basketball Team Coach/Captain**

Coached Special Olympic basketball athletes to understand the meaning of team work and diligence.

Lead team to state tournament and finishing in 3<sup>rd</sup> place overall.

*St. Vincent's Hospital, Green Bay, WI*

**Hospital Volunteer**

Helped transport surgical patients and worked in the Emergency Room.

2001-2004 *Boys and Girls Club of Green Bay, WI*

**Volunteer**

Motivated children to become more physically active by playing basketball and soccer.

2001-2004 *American Red Cross, Green Bay, WI*

**Blood Drive Volunteer**

Helped register and organize blood donor information during several blood drives.

2001-2004 *Sexual Assault Center, Green Bay, WI*

**Volunteer Advocate**

Coped with victims and explained facts and options for victims and their families

***Professional Organizations***

2011- **American Society of Mohs Surgery (Primary Surgeon 2,400+ cases)**

2009- **American Academy of Dermatology**

2009- **American Society of Dermatologic Surgery**

**American Medical Student Association**

Lobbying representative for Fair and Equal Health Care in America.

**American Medical Association**

Wisconsin Medical Society District 2 Caucus Delegate (2006-2007).

***Languages***

Native: English

Conversational: Punjabi