

Neal Adams, MD

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Academic Appointments and Clinical Positions

2011 – present

Editor-in-Chief

Eye Reports – www.eyereports.org – ISSN 2039-4756
Peer-Reviewed Ophthalmic Medical Journal

2010 – present

*Clinical Consultant – Diseases and Surgery of the Vitreous and Retina
and Visual Electrophysiology*
Private Sector

2008 – 2010

Chair of Department of Ophthalmology
Associate Professor of Ophthalmology
Department of Ophthalmology
The Paul L. Foster School of Medicine
The Texas Tech University Health Sciences Center

2005 – 2008

Chief of Division of Visual Physiology
Director of Retinal Dystrophy Center
Assistant Professor of Ophthalmology
Department of Ophthalmology
The Johns Hopkins University School of Medicine
The Wilmer Eye Institute of The Johns Hopkins Hospital

2003 – 2004

Assistant Professor of Ophthalmology
Department of Ophthalmology
The Johns Hopkins University School of Medicine
The Wilmer Eye Institute of The Johns Hopkins Hospital

2003 – 2004

*A. Edward Maumenee Scholar**

Department of Ophthalmology
The Johns Hopkins University School of Medicine
The Wilmer Eye Institute of The Johns Hopkins Hospital

**Wilmer's Highest Honor Bestowed on a Junior Faculty Member*

2003 – 2003

Instructor of Ophthalmology

Department of Ophthalmology

The Johns Hopkins University School of Medicine

The Wilmer Eye Institute of The Johns Hopkins Hospital

Education and Training

National Eye Institute of The National Institutes of Health: Visiting Scholar

Clinical Electrophysiology of Vision, Visiting Scholar, 2005

The Wilmer Eye Institute of The Johns Hopkins Hospital: Retina Fellowship

Fellowship and Surgical Training in Diseases of the Vitreous and Retina, 2002-2003

Heed Ophthalmic Foundation Fellowship, 2002-2003

The Wilmer Eye Institute of The Johns Hopkins Hospital: Ophthalmology Residency

Residency in Ophthalmology, 1999-2002

Affiliated Training Sites: Sinai Hospital of Baltimore, Greater Baltimore Medical Center, Johns Hopkins Bayview Hospital

Internship in Internal Medicine: Greater Baltimore Medical Center, 1998-1999

The Johns Hopkins University School of Medicine: Medical Degree

M.D. conferred May, 1998

Yale University: Undergraduate Degree

B.S., Chemistry, conferred May 1994

Elected Cum Laude, with Distinctions in the Major

Graduated as a Perspectives on Science Student: a select program for science recognition

University School of Nashville, Tennessee: High School Degree

Diploma, conferred June 1991

Advanced undergraduate-level coursework from Vanderbilt University

Board Certification

Board Certified, American Board of Ophthalmology

State Licensure

Maryland – Full, Active, # D58545

District of Columbia – Full, Active, # MD038929

Virginia – Full, Active, # 0101248431

New Hampshire – Full, Active, # 15119

Texas – Full, Active, # N7384

Awards and Honors

A. Edward Maumenee Scholar Award, 2003-2004.
National Institutes of Health K08 Clinician-Scientist Award.
National Institutes of Health K12 Clinician-Scientist Award.
Knights' Templar Eye Foundation Research Award, 2003.
Heed Ophthalmic Foundation Award, 2002.
Harry A. Quigley Pharmacia Research Award, 2001.
National Institute of Health, National Eye Institute Research Award Travel Grant, 2000.
First Place Overall Resident Research Award, Greater Baltimore Medical Center, 1999.
National Student Research Forum, Edward S. Reynolds First Place Award in Pathology, 1998.
American Federation for Aging Research, Glenn Foundation Research Award, 1997.
Johns Hopkins School of Medicine Harold Lamport Biomedical Research Prize, 1997.
Johns Hopkins School of Medicine Young Investigators' Day, Poster Presentation, 1997.
Paul H. Mellon Senior Research Fellowship Award, 1994.
Perspectives on Science Summer Research Fellowship, 1992.
Fourth Place Grand Award International Science and Engineering Fair, 1990.
Tennessee's Outstanding Achievement Award, 1987.

Formal Teaching Activities

Course Directorships

CME Course: Visual Electrophysiology Conference and Training Workshop. The Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center, March 3-5, 2010.

Course Director: Adams NA.

Texas Tech University Health Sciences Center Faculty: Adams NA and Young R.

Guest Faculty: Caruso RC (University of Pennsylvania), Coupland SG (University of Ottawa), Frishman LJ (University of Houston), Johnson MA (University of Maryland), Komaromy AM (University of Pennsylvania), Pardue MT (Emory University), VerHoeve JN (University of Wisconsin at Madison).

National and International Attendance.

CME Course: An Introduction to Human Genetics: Relevance to Clinical Practice. The Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center, August 14, 2009.

Course Director: Adams NA. Assistant Director: Sundin OH.

Texas Tech University Health Sciences Center Faculty: Adams NA, Chadwick RB, Levine J, and Sundin OH.

Guest Faculty: Martinez NC (University of Texas El Paso), Maumenee IH (University of Illinois at Chicago)

Visual Electrophysiology as an End-Point in Clinical Trials and Animal Research: Conference and Training Workshop. The Johns Hopkins University School of Medicine, September 14-16, 2007.

Course Director: Adams NA.

Johns Hopkins Faculty: Dagnelie G, Duh EJ, and D'Anna S.

Guest Faculty: Brigell M (Novartis Institute), Caruso RC (National Eye Institute),

Frishman LJ (University of Houston), Jamison JA (Alcon Laboratories), Johnson MA (University of Maryland), Komaromy AM (University of Pennsylvania), Lyons JS (Georgetown University), Pardue MT (Emory University), Robson JG (University of Houston), Sauvé Y (University of Alberta), Severns ML (Private Industry), VerHoeve JN (University of Wisconsin at Madison), Zhang (Allergan Research).
National and International Attendance.

Electrophysiology in Animal Models of Eye Disease: Conference and Training Workshop. The Johns Hopkins University School of Medicine, June 2-3, 2007.

Course Director: **Adams NA**.

Johns Hopkins Faculty: *Dagnelie G and Duh EJ.*

Guest Faculty: *Doran B (Private Industry), Fitzgerald AL (Pfizer Research), Frishman LJ (University of Houston), Jamison JA (Alcon Laboratories), Komaromy AM (University of Pennsylvania), Robson JG (University of Houston), Sauvé Y (University of Alberta), Zhang (Allergan Research).*

National and International Attendance.

CME Course: Clinical Electrophysiology of Vision: Conference and Training Workshop. The Johns Hopkins University School of Medicine, April 1-2, 2006.

Course Director: **Adams NA**.

Johns Hopkins Faculty: *Dagnelie G.*

Guest Faculty: *Caruso RC (National Eye Institute), Coupland SG (Ottawa Eye Institute), Doran B (Private Industry), Hood DC (Columbia University), Frishman LJ (University of Houston).*

National and International Attendance.

National Retina Institute

Community Doctor Education Lecture Series

Accredited Continuing Medical Education (CME) Lecture Series

Accredited Continuing Education (CE/COPE) Lecture Series

Paul L. Foster School of Medicine

Medical Student Curriculum Development

Scientific Principles of Medicine

Integrated Longitudinal Embedded Clinical Clerkship Program

Ophthalmology Training Rotation for Non-Ophthalmology Residents

Faculty Advisor: Ophthalmology Interest Group

Johns Hopkins University Krieger School of Arts and Sciences

ME 990.503.01 **Adams NA** "Oxidative Damage"

Annual Course for Undergraduate Students, 2004 – 2007

Role: Course Instructor

Wilmer Lions Vision Research and Rehabilitation Center

Understanding Low Vision: Online Course (in preparation)

Role: Ocular Pathologies Section Editor

Johns Hopkins University School of Medicine

Clinical Skills Course in Ophthalmology for Medical Students

Role: Group Leader and Section Instructor, 2003 – 2007

Year 2 Medical Student Curriculum: Diabetic Retinopathy, Macular Degeneration, and Ocular Manifestations of Systemic Disease

Role: Group Leader and Section Instructor, 2003 – 2007

Clinical Skills Lecture for Medical Students: Introduction to Clinical Ophthalmology

Role: Lecturer, 2006.

Wilmer Eye Institute

Resident Lecture Series: Clinical Electrophysiology of Vision

Technician Lecture Series: Techniques in Electrophysiology of Vision

Role: Instructor, 2004 – 2007.

Joint Commission on Allied Health Personnel in Ophthalmology

Retina Regional Education Program

Role: Lecturer: The Diagnosis and Management of Retinal Detachments, 2004.

Selected Peer-Reviewed Publications

Martin LJ, Adams NA, Pan Y, Price A, Wong M. The mitochondrial permeability transition pore regulates nitric oxide-mediated apoptosis of neurons induced by target deprivation. *Journal of Neuroscience*. 2011;31:359-370.

Kim SJ, Adams NA, Toma HS, Belair ML, Thorne JE, Green WR, Jabs DA. Safety of intravitreal ketorolac and diclofenac: an electroretinographic and histopathologic study. *Retina*. 2008;28:595-605.

Adams NA, Awadein A, Toma HS. The retinal ciliopathies. *Ophthalmic Genetics*. 2007;28:113-125.

Toma HS, Tan PL, McKusick VA, Katsanis N, Adams NA. Bardet-Biedl syndrome in an African-American patient: Should the diagnostic criteria be expanded to include hydrometrocolpos? *Ophthalmic Genetics*, 2007;28:95-99.

Textbook Authorship

Adams NA. *Nutrition for the Eye*. Stanley Publishing Company, 2009. ISBN: 978-0979035050.

Adams NA. *Atlas of OCT: Retinal Anatomy in Health & Pathology*. Heidelberg Engineering, 2013.

References Available Upon Request