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NEUROLOGY

BRIEF DESCRIPTION

The Department of Neurology offers care to adult and pediatric patients with diseases of the brain, spinal cord, peripheral nerves and muscles. Faculty members have special interests in the care of patients with cerebrovascular disease (TIA, stroke), neuromuscular disorders, Alzheimers disease, headache, dementia, epilepsy, Parkinsons disease, multiple sclerosis, Huntingtons disease, Myasthenia Gravis, muscular dystrophy, clinical pain disorders, sleep disorders, AIDS and abnormalities of cerebrospinal fluid circulation. Specialty clinics are conducted for adult and child neurology, adult and child epilepsy, adult and childhood headaches, clinical pain programs, neurocutaneous disorders, neurogenetics, movement disorders, neuromuscular disorders, childhood paroxysmal disorders, sleep disorders, Botox treatment and Tourettes syndrome.

SPECIAL SERVICES

- ➔ Clinical Neurophysiology Laboratory performs procedures including: nerve conduction studies, electromyography, single fiber EMG and quantitative EMG for diagnosis of neuromuscular disorders, autonomic testing, EEG procedures including 24-hour EEG monitoring of patients for epilepsy and polysomnography for sleep disorders, video monitoring, and screening for epilepsy surgery; evoked potential procedures including somatosensory and brainstem auditory; and visual evoked potentials for diagnosis of peripheral nerve, spinal cord and multiple sclerosis disorders.
- ➔ Emergency patient evaluations and treatment through the Neurological Triage Service.
- ➔ Nerve and muscle biopsy.
- ➔ Plasma exchange and immunosuppressive therapy for Myasthenia Gravis, polymyositis and chronic relapsing polyneuropathy.
- ➔ A satellite UNC Child Neurology clinic is held twice a month in Lumberton and Wilmington.

HOW TO CONTACT US

PHONE (general information): (919) 966-8178

PHONE (appointments): (919) 966-4401

FAX: (919) 966-2922

WEB SITE: www.uncneurology.org

MAILING ADDRESS

UNC Department of Neurology
CB #7025, 3114 Bioinformatics Bldg
Chapel Hill, NC 27599-7025

Tori Barnard

Associate Chair for Administration

Work Phone: (919) 966-5548



Leslie H. Boyce, M.D.

Assistant Professor

Clinical Appointment Phone: (919) 966-1401
Work Phone: (919) 966-2528

Procedures/Research:
Sleep disorders in childhood, pediatric headache, RLS, narcolepsy.

Certifications:
Pediatrics - *Board Certified* (1995)
Psychiatry and Neurology, Child Neurology - *Board Certified* (1997)
Sleep Disorders Medicine - *Board Certified* (2007)

Medical School: University of Medicine and Dentistry of New Jersey, Newark, NJ, 1990

Residency: Columbia Presbyterian Medical Center, 1990-1992, Pediatrics
Columbia Presbyterian Medical Center, 1992-1995, Pediatric Neurology

Fellowship: Columbia University College of Physicians and Surgeons, 1995-1996, Electrophysiology/Molecular Biology



Thomas G. Braun, M.D.

Associate Professor

Work Phone: (919) 966-5522

Procedures/Research:
Clinical neurophysiology (EMG/NCV).

Medical School: University of Alberta, 1961



Nina M. Browner, MD

Assistant Professor

Clinical Appointment Phone: (919)966-4401
Work Phone: (919)966-5549

Procedures/Research:
Movement disorders; Parkinson's disease; progressive supranuclear palsy, multiple system atrophy, cortical basal ganglionic degeneration, tremor; dystonia; myoclonus; treatment with Botulinum toxin A and B types

Certifications:
Psychiatry and Neurology - *Board Certified* (2006)

Medical School: I.M. Sechenov's Moscow Medical Academy, 1999

Research Fellow: John Hopkins Medical Institute, 2000-2002, Neurology, Neuroradiology, Psychiatry

Internship: Cleveland Clinic Foundation, 2002-2003, Internal Medicine

Residency: Cleveland Clinic Foundation, 2003-2006

Fellowship: Columbia University Medical Center, 2006-2008, Movement Disorders



Nizar Chahin, M.D.

Assistant Professor

Clinical Appointment Phone: (919) 966-4401
Work Phone: (919) 966-5522

Procedures/Research:
Pathological studies of muscle disease, diagnosis and treatment of myopathies, diagnosis and treatment of neuropathies associated with monoclonal gammopathy.

Certifications:
Psychiatry and Neurology - *Board Certified* (2001)

Medical School: Damascus University, Syria, 1986-1992

Externship: VA Medical Center and St. Luke's Roosevelt Hospital, 1995-1996

Internship: Brookdale University Hospital, 1996-1997, Medicine

Residency and Chief Resident: University of Missouri, 1997-2000, Neurology

Fellowship: Mayo Clinic, 2003-2005, Neuromuscular
Mayo Clinic, 2005-2006, Peripheral nerve
Mayo Clinic, 2006-2007, Clinical neurophysiology/EMG



Zheng (Jane) Fan, M.D.

Assistant Professor

Clinical Appointment Phone: (919) 966-1401
Work Phone: (919) 966-2528

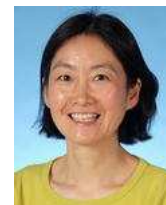
Procedures/Research:
Muscular dystrophies, brain MR imaging and neurogenetics.

Certifications:
Medical Genetics - *Board Certified* (2007)
Neurology - *Board Certified* (2007)

Fellowship: University of North Carolina, 2006, Clinical Genetics

Residency: University of North Carolina, 2004, Pediatrics
University of North Carolina, 2003, Child Neurology

Medical School: Shanghai Medical University, Shanghai, China, 1991



Ana Felix, M.B.Ch.B.

Assistant Professor

Clinical Appointment Phone: (919) 966-4401

Work Phone: (919) 843-5780

Procedures/Research:

Stroke, TIA in adults and children; neurovascular ultrasound; stroke in the young & in women; hypercoagulable disorders associated with stroke.

Certifications:

Psychiatry and Neurology - *Board Certified* (1999)
Psychiatry and Neurology (Vascular) - *Board Certified* (2005)

Medical School: University of Witwatersrand, Johannesburg, SA, 1989

Internship: St. Elizabeth's Medical Center of Boston, 1994-1995, Internal Medicine

Residency: Boston City Hospital, 1995-1997, Neurology
Tufts University, 1997-1998, Neurology

Fellowship: Lahey Clinic, 1998-1999, Stroke/Neurology



Timothy Gershon

Assistant Professor

Clinical Appointment Phone: 919-966-1401

Work Phone: 919-966-2528

Procedures/Research:

Pediatric Neuro-oncology

Certifications:

American Board of Psychiatry and Neurology - *Board Certified* (2005)

Post-Doctoral: Columbia University, 1992-1997

Medical School: Columbia University, New York, NY, 1997-1999

Internship: NY Presbyterian Hospital, 1999-2000, Pediatrics

Residency: NY Presbyterian Hospital, 2000-2001, Pediatrics

NY Presbyterian Hospital, 2001-2002, Neurology

Fellowship: NY Presbyterian Hospital, 2002-2004, Child Neurology

Memorial Sloan-Kettering Cancer Center, 2004-2005, Neuro-oncology

Instructor: Memorial Sloan-Kettering Cancer Center, 2005-2009, Pediatric Neuro-oncology



Robert S. Greenwood, M.D.

Professor

Clinical Appointment Phone: (919) 966-1401

Work Phone: (919) 966-2528

Procedures/Research:

Child neurology, epilepsy, childhood headaches, neuroendocrinology, paroxysmal disorders, neurogenetics, neurocutaneous disorders, Tourette's syndrome.

Certifications:

Pediatrics - *Board Certified* (1974)
Psychiatry and Neurology, Child Neurology - *Board Certified* (1979)

Medical School: University of Texas Medical Branch, Galveston, TX, 1968

Internship: St. Louis Children's Hospital, 1968-1969, Pediatrics

Residency and Fellowship: St. Louis Children's Hospital, 1969-1970, Pediatrics/Neurology

Residency: St. Louis Children's Hospital, 1970-1971, Pediatrics

Residency and Fellowship: St. Louis Children's Hospital, 1973-1975, Pediatrics/Neurology

Research Fellow: Washington University, 1975-1977, Neurosurgery



Colin D. Hall, M.D.

Professor

Work Phone: (919) 966-5548

Procedures/Research:

AIDS Neurology, neuromuscular disorders, nerve and muscle biopsy, and disease of the peripheral nervous system.

Certifications:

American Association of Electromyography and Electrodiagnosis - *Board Certified* (1979)
Electrodiagnostic Medicine - *Board Certified* (1989)
Psychiatry and Neurology - *Board Certified* (1976)

Medical School: University of Aberdeen, Aberdeen, Scotland, 1966

House Officer: Aberdeen General Hospital, 1966-1968, Medicine/Surgery
Senior House Officer and Registrar: Aberdeen General Hospital, 1968-1969, Medicine

Residency: University of North Carolina, 1969-1971, Neurology

Fellowship: University of North Carolina, 1971-1972, Neurology



Albert R. Hinn, M.D.

Associate Professor

Clinical Appointment Phone: (919) 966-4401

Work Phone: (919) 843-3313

Procedures/Research:

Epilepsy, clinical neurophysiology (EEG-EP's), video monitoring, stroke, interoperative monitoring.

Certifications:

Clinical Neurophysiology - *Board Certified* (1993)
Psychiatry and Neurology - *Board Certified* (1994)

Medical School: University of North Carolina, Chapel Hill, NC, 1987

Internship: New Hanover Memorial Hospital, 1987-1988, Internal Medicine

Residency: University of North Carolina, 1988-1991, Neurology

Fellowship: University of North Carolina, 1991-1993, Clinical Neurophysiology



James F. Howard, Jr. M.D.

Professor

Clinical Appointment Phone: (919) 966-5522

Work Phone: (919) 966-5522

Procedures/Research:

Neuromuscular disorders, clinical neurophysiology (EMG-NCV), myasthenia gravis, neuromuscular physiology.

Certifications:

Electrodiagnostic Medicine - *Board Certified* (1989)
Psychiatry and Neurology - *Board Certified* (1980)

Medical School: University of Vermont, Burlington, VT, 1974

Internship: Albany Medical Center Hospital, 1974-1975, Internal Medicine

Residency: University of Virginia Hospital, 1975-1978, Neurology

Fellowship: University of Virginia School of Medicine, 1978-1979, Neuromuscular Disease



David Y. Huang, M.D., Ph.D.

Associate Professor

Work Phone: (919) 843-2578

Procedures/Research:

Ischemic stroke, intracranial hemorrhage, traumatic brain injury, coma and neurologic critical care.

Certifications:

Psychiatry and Neurology - *Board Certified* (2002)

Medical School: Duke University, Durham, NC, 1996

Duke University, Durham, NC, 1997

Internship: Massachusetts General Hospital, 1997-1998, Internal Medicine

Residency: Massachusetts General Hospital, 1998-2001, Neurology

Fellowship: Massachusetts General Hospital, 2001-2002, Stroke and Neurologic Critical Care



Dedrick Jordan, MD

Assistant Professor

Work Phone: 919-966-8178

Procedures/Research:

Neuroscience Intensive Care

Certifications:

American Board of Psychiatry and Neurology - *Board Certified* (2008)

Post-Doctoral: Mount Sinai School of Medicine, 1995-2002, Biomedical Sciences

Medical School: Mount Sinai School of Medicine, New York, NY, 1995-2003

Internship: Johns Hopkins Hospital, 2003-2004, Medicine

Residency and Chief Resident: Johns Hopkins Hospital, 2004-2007, Neurology

Fellowship: Johns Hopkins Hospital, 2007-2008, Neurocritical Care

Instructor: Johns Hopkins Hospital, 2008-2009, Neurology and Neurocritical Care



Daniel I. Kaufer, M.D.

Associate Professor

Clinical Appointment Phone: (919) 966-4401

Work Phone: (919) 966-8168

Procedures/Research:

Alzheimer's disease, Lewy body dentias, frontotemporal dementia.

Certifications:

Psychiatry and Neurology - *Board Certified* (1995)

Medical School: University of Wisconsin, Madison, Wisconsin, 1988

Internship: Montefiore Hospital, 1988-1989, Internal Medicine

Residency: University of Pittsburgh Medical Center, 1989-1992, Neurology

Fellowship: University of California - Los Angeles, 1992-1995, Neurobehavior/Geriatric Neurology



Caroline Klein, M.D., Ph.D.

Assistant Professor

Clinical Appointment Phone: (919) 966-4401

Work Phone: (919) 966-5522

Procedures/Research:

Neuromuscular diseases, peripheral nerve neuropathy, autonomic testing, EMG.

Certifications:

Psychiatry and Neurology - *Board Certified* (2000)

Clinical Neurophysiology - *Board Certified* (2001)

Medical School: East Carolina University, Greenville, North Carolina, 1988
University of Texas Medical Branch, Galveston, Texas, 1994

Internship and Residency: University of Virginia, 1995-1998, Neurology

Fellowship: Mayo Clinic, 1998-1999, Peripheral Nerve

Mayo Clinic, 1999-2000, Electromyography

Mayo Clinic, 2000-2001, Clinical Autonomic Research



C.J. Malanga, M.D., Ph.D.

Assistant Professor

Clinical Appointment Phone: (919) 966-1401

Work Phone: (919) 966-1683

Procedures/Research:

Movement disorders in children

Certifications:

Psychiatry and Neurology, Child Neurology - *Board Certified* (2004)

Medical School: West Virginia University, Morgantown, West Virginia, 1995
West Virginia University, Morgantown, West Virginia, 1997

Internship: The Floating Hospital for Children, 1997-1998, Pediatrics

Residency and Fellowship: Massachusetts General Hospital, 1998-2005, Neurology



J. Douglas Mann, M.D.

Professor

Clinical Appointment Phone: (919) 966-4401

Work Phone: (919) 843-5780

Procedures/Research:

Pain management, headache, complementary therapies for neurological disorders.

Certifications:

Psychiatry and Neurology - *Board Certified* (1976)

Medical School: Cornell University Medical College, New York, NY, 1969

Internship: University of Virginia Hospital, 1969-1970, Medicine/Pediatrics

Resident and Chief Resident: University of Virginia Hospital, 1970-1973, Neurology

Fellowship: University of Virginia, 1973-1976, Neurochemistry



Silva Markovic-Plese, M.D., M.S.

Associate Professor

Clinical Appointment Phone: (919) 966-4401
Work Phone: (919) 966-5547

Procedures/Research:
Multiple Sclerosis.

Certifications:
Psychiatry and Neurology - *Board Certified* (2000)

Medical School: University of Zagreb Medical School, Croatia, 1988
University of Zagreb, Croatia, 1991
Post-Doctoral: Center for Neurological Diseases, Brigham & Women's Hospital, 1991-1994
Internship: Hospital of St. Raphael, Yale University, 1994-1995, Medicine
Residency: Yale New Haven Hospital, 1995-1998, Neurology



Cheryl McNeil, M.D.

Assistant Professor

Clinical Appointment Phone: (919) 966-4401
Work Phone: (919) 843-5780

Certifications:
Psychiatry and Neurology - *Board Certified* (2001)

Medical School: Wake Forest University, Winston Salem, NC, 1995
Internship: Wake Forest University, 1995-1996, Internal Medicine
Residency: Wake Forest University, 1996-1999, Neurology
Fellowship: University of California, 1999-2000, Neuro-Oncology



Rick B. Meeker, Ph.D.

Professor

Work Phone: (919) 966-5512

Procedures/Research:
Brain cholinergic receptors, vasopressin, AIDS research, HIV and FIV.

Medical School: Bowling Green State University, Bowling Green, IN, 1976
Fellowship: Purdue University, 1976-1979, Physiological Psychology
University of North Carolina, 1980-1982, Molecular Pharmacology



Richard W. Murrow, M.D.

Associate Professor

Clinical Appointment Phone: (919) 966-4401
Work Phone: (919) 966-5549

Procedures/Research:
Movement disorders: Deep brain stimulation therapy.

Certifications:
Psychiatry and Neurology - *Board Certified* (1993)
Clinical Neurophysiology, Psychiatry and Neurology - *Board Certified* (1997)

Medical School: University of Kansas, Kansas City, Kansas, 1985
Internship and Residency: University of Kansas Medical Center, 1985-1989, Neurology



William J. Powers, M.D.

Chair, Professor

Work Phone: (919) 966-8178

Procedures/Research:
Cerebral blood flow and metabolism, stroke treatment and prevention.

Certifications:
Internal Medicine - *Board Certified* (1978)
Psychiatry and Neurology, Neurology - *Board Certified* (1982)
Psychiatry and Neurology (Vascular) - *Board Certified* (2005)

Medical School: Cornell University Medical College, New York, NY, 1975
Internship: Duke University Medical Center, 1975-1976, Medicine
Residency: Duke University Medical Center, 1976-1977, Medicine
Residency and Chief Resident: University of California, 1977-1980, Neurology



Kevin Robertson, Ph.D.

Professor

Work Phone: (919) 966-8177

Procedures/Research:
HIV related cognitive impairment, HIV related neurological disease. International HIV research, AIDS clinical trials.

Masters: Western Carolina University, 1984, Clinical Psychology
Internship: UNC Chapel Hill, 1988, Clinical Psychology
Doctoral: Oklahoma State University, 1989, Clinical Psychology
Postdoctoral Training: UNC - Neurology, 1989-1991, Neuropsychology of HIV/AIDS



Heidi L. Roth, M.D., M.A.

Assistant Professor

Clinical Appointment Phone: (919) 966-4401

Work Phone: (919) 966-8178

Procedures/Research:

Cognitive function and memory, sleep medicine.

Certifications:

Psychiatry and Neurology - *Board Certified* (1998)

Medical School: Harvard Medical School, Boston, MA, 1993

Internship: Santa Clara Valley Medical Center, 1993-1994, Medicine

Residency: Longwood Neurology Training Program, 1994-1997, Neurology

Medical School: Harvard University, Cambridge, MA, 1998

Fellowship: University of Florida, 1998-2002, Behavioral Neurology



Souvik Sen, M.D., M.S.

Associate Professor

Clinical Appointment Phone: (919) 966-4401

Work Phone: (919) 843-2579

Procedures/Research:

Acute stroke treatment and stroke prevention strategies. Cardiac disorders in stroke, aortic arch atheroma, mechanisms and pathophysiology of stroke.

Certifications:

Psychiatry and Neurology - *Board Certified* (1999)

Psychiatry and Neurology (Vascular) - *Board Certified* (2005)

Medical School: R.G.Kar Medical College, India, 1990

Wayne State University, Detroit, Michigan, 1992

Internship: Henry Ford Hospital, 1993-1994, Internal Medicine

Residency: Temple University, 1994-1997, Neurology

Fellowship: John Hopkins Hospital, 1997-1998, Stroke



William D. Snider, M.D.

Professor; Director, Neuroscience Research Center

Work Phone: (919) 843-8623

Procedures/Research:

Role of neuronal growth factors in the development and regeneration of axons.

Medical School: University of North Carolina, Chapel Hill, NC, 1977

Fellowship: University of North Carolina, 1978-1979, Neurobiology

Residency: Beth Israel Hospital, 1979-1980, Internal Medicine
Cornell Medical Center, 1980-1983, Neurology

Fellowship: Washington University School of Medicine, 1983-1985, Physiology and Biophysics



Michael B. Tennison, M.D.

Professor

Clinical Appointment Phone: (919) 966-1401

Work Phone: (919) 966-2528

Procedures/Research:

Child neurology, clinical neurophysiology (EEG-EP) epilepsy, childhood headaches, paroxysmal disorders of childhood and neurogenetics.

Certifications:

Clinical Neurophysiology - *Board Certified* (1984)

Pediatrics - *Board Certified* (1979)

Psychiatry and Neurology, Child Neurology - *Board Certified* (1983)

Medical School: Harvard University, Boston, MA, 1975

Residency: University of California at Los Angeles, Harbor General, 1975-1978, Pediatrics

Residency and Chief Resident: University of North Carolina, 1978-1981, Pediatric Neurology

Fellowship: University of North Carolina, 1983-1984, Clinical Neurophysiology and Epilepsy



Alexander I Troster, Ph.D., M.S.

Professor

Work Phone: (919) 966-5549

Procedures/Research:

Cognition and emotion in movement disorders and dementias. Basal ganglia and cognition.

Certifications:

Psychological Specialties - *Board Certified* (1998)

Medical School: North Dakota State University, Fargo, North Dakota, 1986
University of California - San Diego, San Diego, California, 1991

Internship: Long Island Jewish Medical Center, 1990-1991, Clinical Psychology (Neuropsychology)



Bradley V. Vaughn, M.D.

Vice Chair, Professor

Clinical Appointment Phone: (919) 966-4401

Work Phone: (919) 966-8178

Procedures/Research:

Sleep disorders, nocturnal events, epilepsy, clinical neurophysiology (EEG-EP's).

Certifications:

Clinical Neurophysiology - *Board Certified* (1991)

Psychiatry and Neurology - *Board Certified* (1992)

Psychiatry and Neurology, Clinical Neurophysiology - *Board Certified* (1994)

Medical School: Hershey Medical School, Pennsylvania State University, Pennsylvania, PA, 1986

Internship: Hershey Medical School, Pennsylvania State University, 1986-1987, Internal Medicine

Residency and Chief Resident: University of North Carolina, 1987-1990, Neurology

Fellowship: University of North Carolina, 1990-1991, Electroencephalography



Spencer G. Weig, M.D.

Professor

Clinical Appointment Phone: (919) 966-1401

Work Phone: (919) 966-2528

Procedures/Research:

Child neurology, neuromuscular, neurophysiology, neurooncology, neurofibromatosis.

Certifications:

Clinical Neurophysiology - *Board Certified* (1991)

Pediatrics - *Board Certified* (1978)

Psychiatry and Neurology - *Board Certified* (1987)

Medical School: Mt. Sinai School of Medicine, New York, New York, 1973

Internship: Duke University Medical Center, 1973-1974, Pediatrics

Residency: Duke University Medical Center, 1974-1975, Pediatrics

Tufts - New England Medical Center, 1975-1976, Pediatrics

Residency and Chief Resident: University of North Carolina at CH, 1983-1986, Child Neurology

Fellowship: University of Massachusetts Medical Center, 1986-1987, Electrophysiology



Susan Wilson, M.S.N.,F.S.P.

Assistant Professor

Work Phone: (919) 843-2387

Procedures/Research:

Acute stroke treatment and management. Stroke clinical trials.



Medical School: University of North Carolina, Chapel Hill, NC, 1992

Youmei Xie, M.D.

Associate Professor

Work Phone: (919) 843-4390



Medical School: Chongqing University of Medical Science, China, 1982

Residency: Xuling Hospital, 1982-1983, Internal Medicine

West China University of Medical Science, 1986-1991, OB/GYN

Fellowship: Institute of Genetics, Univ of Fudan, 1992-1992, Molecular Biology

University of California at San Francisco, 1995-2000, Neuroscience Molecular Biology

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