

# University of Nebraska-Creighton University Neurology Program

The University of Nebraska-Creighton University Neurology Residency Program offers a unique educational experience: the best that two medical centers can offer in one training program, in a thriving cultural and economic center in the country's heartland.

University of Nebraska Medical Center has a world reputation in liver and bone marrow transplantation, and is known for management of complicated medical and surgical problems. The Creighton University Medical Center provides a unique experience in atherosclerotic diseases of the heart, brain, and peripheral vessels. Both Medical Centers are the only level 1 trauma centers in Omaha and represent the largest acute health care facilities in the area.

The University of Nebraska-Creighton University Neurology Training Program offers the best neurological learning experiences in both the frequently encountered and the exceptional cases.

The friendly atmosphere of a smaller program should be examined. The faculty of the University of Nebraska-Creighton University Neurology program are approachable and make the learning experience enjoyable. The residents are able to choose the faculty member with whom they wish to work, and faculty advisors meet with their residents to channel the resident's effort in a structured manner. Smaller groups of residents tend to rely on each other for support and coverage.

Recent residents have acquired excellent fellowships and have scored well on board examinations. Our graduates have entered both clinical practice and academic medicine.

As noted, elsewhere in the Web, a liberal benefit package is provided to our neurology residents. The resident is given 20 days of vacation per year and is allowed five educational days per year to attend outside conferences.

For those unfamiliar to the Midwest, the Web will also direct you to the advantages, climate, and culture activities of the Omaha area.

## Schedules

During the **first year**, the residents spend four months on the ward service at the three affiliated hospitals, University of Nebraska Hospital, Creighton University Medical Center, and the Omaha Veterans Administration Medical Center.

This allows for well-supervised training at individual hospitals, each with its own area of excellence. Of importance to note, first year residents only spend one night in three (or four) on first call. All neurology call is done through the pager system.

The **second year** of training is more varied than the first, and allows for exposure to the specialized areas of neurology. Two months each are spent rotating through Neuroradiology,

EEG, and EMG. Three months are spent with the child neurology team, and an additional three months are spent at the VA Medical Center as the ward supervisor. This allows for varied exposure to different types of patient care, as well as an increasing level of responsibility. During the second year the resident is expected to take one in three call either as primary or secondary/back-up call.

The **third year** provides increased responsibility for patient care and student/resident management. Six months are spent as the chief resident, supervising the ward team. Three additional months of requirements are spent in Neuropathology, Psychiatry and Rehabilitation/Genetics.

Lastly, this third year provides elective time to pursue personal areas of interest. Three months may be spent in any way both the resident and faculty agree as educationally beneficial. Common electives include Neurosurgery, Pain Clinic, Neurotology, Neuroophthalmology, Geriatrics, and sub-specialty clinics.

### **Other Training**

Numerous in-house conferences are available for the education of the resident. Grand Rounds are provided to include Resident Seminar, Journal Club and Neuroscience Seminar. The Neurophysiology Conference is popular with the residents. Topics of this conference include all facets of electromyography, electroencephalography, evoked potentials, sleep lab, botox, etc.

Other beneficial conferences include, Neuroradiology, Tumor Conference, and Brain Cutting. Didactic lectures in Neuroanatomy and Neuropharmacology are essential to prepare the junior resident for clinical neurology and board examinations.

Inservice exams are given through the American Board of Psychiatry and Neurology. This is a helpful tool in locating weaknesses and redirecting the resident's efforts to maximize their learning potential.

Several bench labs in neurology are available for those residents wishing to expand their knowledge of academic medicine. Projects may be formulated and undertaken with the approval of the faculty advisor and the resident director.

A state of the art computer with access to world wide web is available in the resident's office for their use. The hospital has recently installed a computerized medical record system to allow the resident to be able to view clinical material and sign their dictated report at the computer.

### **How to Apply**

The University of Nebraska-Creighton University Neurology Program accepts two residents per year through the Neurology Matching Program (NEMP). Applications are accepted on an ongoing basis. After reviewing the application the applicant is invited to interview.

Most interviews are conducted between September and January for the PGY-2 Neurology positions which would begin after the completion of an American Board of Psychiatry and Neurology approved PGY-1 internship.

Should there be a PGY-2 opening for the coming year (please call to inquire), applicants with an approved PGY-1 internship would be invited to match for this position.

Neurology resident applicants are encouraged to apply for an internship at the University of Nebraska Medical Center or Creighton University through the National Residency Matching Program (NRMP) which occurs shortly after the Neurology Matching Program. Neurology residents have been very successful in obtaining their internship year in Omaha. This eliminates the need for multiple household moves and has proven to be beneficial in helping the resident to adapt to our medical practices prior to entering the first neurology year.

Please take the time to consider the advantages of our progressive neurology program in the heartland of our country. Feel free to direct your inquiries to the address at the end.

## **Participating Hospitals**

### University of Nebraska Medical Center

- Neurology Faculty
- Level I Trauma Center
- Level III Neonatal ICU
- SkyMed helicopter and fixed wing transport
- Active liver transplant program
- Bone marrow transplant program
- Multi-specialty Muscular Dystrophy Association sponsored clinic.
- Alzheimer's Study Center
- Epilepsy Surgery Center
- Comprehensive Geriatrics Center
- One of 15 national cancer research centers
- Complete Genetic Center
- Comprehensive Pain Management Center
- Outpatient Surgery Center
- 15 separate residency programs
- 11,700 inpatients per year
- 50 speciality clinics with 225,000 outpatients per year

### Creighton University Medical Center

- Neurology Faculty
- PET Center
- Level III Neonatal ICU
- Drug trials for stroke
- Pediatric ICU
- Level I Trauma Center

- Perinatal Center
- Life Flight Helicopter
- Peptide Research Center
- Centers for: Parkinson disease, Diabetes, Hypertension, Cancer, Bone Metabolism.
- 10,000 inpatients per year
- 125,000 outpatients per year

#### Veterans Administration Medical Center

- Serving veterans
- Medicine, surgery, psychiatry, ICUs.
- Orthopedic surgery
- Ophthalmic surgery
- Neurosurgery
- Cardiac catheterization
- Computerized tomography
- Oncology/hematology
- Alzheimers
- PTSD
- Sleep Laboratory
- Major VA Research Center
- National studies in: Programmable insulin pump, Epidural anesthesia, Nuclear reactor.
- 6,000 inpatients per year
- 100,000 outpatients per year

#### Childrens Hospital

- Nebraska's only pediatric specialty hospital
- 100 beds
- Cardiac catheterization unit
- Regional Poison Control Center (one of USA's 20 largest)
- Level III Neonatal ICU
- Pediatric ICU
- Airplane and helicopter transport
- Long-term family residence facility
- 4,700 inpatients per year
- 40,000 outpatients per year

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#### Faculty

EDWARD ADICKES, DO  
 Teratology, Pediatric Neuropathology Peripheral Nerve and Muscle  
 Creighton University Medical Center

JOHN BERTONI, MD, PhD

Movement Disorders and Neurotoxicology  
Creighton University Medical Center

ROBERT ELLINGSON, MD, PhD  
Ontogenesis and Clinical Applications of EEG and Evoked Potentials,  
Psychophysiology and Sleep Disorders  
University of Nebraska Medical Center

PIERRE FAYAD, MD  
Adult Neurology, Stroke  
University of Nebraska Medical Center

PIERRE GIGLIO, MD  
Adult Neurology, Neuro-Oncology  
University of Nebraska Medical Center

FRANCIS HAHN, MD  
Neuroradiology  
University of Nebraska Medical Center

PAUL LARSEN, MD  
Pediatric Neurology, Childhood CNS Infections, Blood-Brain Barrier  
University of Nebraska Medical Center

RICHARD LEGGE, MD  
Neuroophthalmology  
University of Nebraska Medical Center

AGAPITO LORENZO, MD  
Electrophysiology, the Effect of Tight Control of Diabetes on Nerve Conduction in Diabetic  
Patients  
University of Nebraska Medical Center

JANICE McALLISTER, MD  
Pediatric Neurology, Muscular Dystrophy  
University of Nebraska Medical Center

RODNEY McCOMB, MD  
Neurooncology, Developmental Neuropathology, Neurodegenerative Diseases, and  
Extracellular Matrix  
University of Nebraska Medical Center

DANIEL MONAGHAN, PhD  
Excitatory Amino Acid Transmitters Characterization of NMDA Receptor Subtypes  
University of Nebraska Medical Center

L CHARLES MURRIN, PhD

Regulation of CNS Developments, Particularly Dopamine Systems  
and Noradrenergic Systems. Alpha-2 Receptors in Ocular Tissue.  
University of Nebraska Medical Center

DANIEL MURMAN, MD

Adult Neurology, Neurodegenerative Diseases  
University of Nebraska Medical Center

JASON OHR

Adult Neurology, Neurophysiology.  
University of Nebraska Medical Center

GARY PATTEE, MD

Adult Neurology, Muscular Dystrophy, Amyotrophic Lateral Sclerosis  
University of Nebraska Medical Center

IVAN PAVKOVIC

Pediatric Neurology, Electroencephalography  
University of Nebraska Medical Center

SANJAY P. SINGH, MBBS

Adult Neurology, Epilepsy  
University of Nebraska Medical Center

ROBERT STEG, MD

EEG, Electrocorticography and Epilepsy Surgery, Sleep Disorders  
University of Nebraska Medical Center

PARIWAT THAISETTHAWATKUL, MD

Adult Neurology, Peripheral Neuropathy  
University of Nebraska Medical Center

**FOR FURTHER INFORMATION, CONTACT:**

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## ***House Officers Association Alliance - Nebraska . . .***

The House Officers Association Alliance is a non-profit organization made up of the spouses of residents and fellows. We work to promote good fellowship and open lines of communication within the University of Nebraska Medical Center by providing general interest seminars, special interest groups, social functions and programs to benefit the families and/or employees of UNMC. For more information please visit the HOAA's website at <http://hoaane.tripod.com>.

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For more information, contact Graduate Medical Education at (402) 559-7426 or e-mail [rnelsen@unmc.edu](mailto:rnelsen@unmc.edu) or [vhamm@unmc.edu](mailto:vhamm@unmc.edu).