



*Clinical  
Neuropsychology  
Fellowship  
Program*



**Mayo Graduate School  
of Medicine**

**Mayo Clinic Jacksonville  
Jacksonville, Florida**

# *Clinical Neuropsychology Fellowship*

Mayo Clinic in Jacksonville offers a two-year postdoctoral program for advanced training in clinical neuropsychology. This is accomplished via supervised clinical activities, neuropsychological research, didactic experiences, and individual study. The program provides exposure to a variety of adult neurocognitive disorders, with special emphasis on aging and dementia. Elective training experiences are available in psychological evaluation, psychotherapy, and behavioral medicine techniques. Rotations in non-psychology specialties such as sleep disorders, seizure disorders, movement disorders, and behavioral neurology are also available.

Mayo Clinic's favorable faculty ratio, large patient population and state-of-the-art diagnostic, therapeutic and research facilities combine to create a truly integrated educational experience. As one of the country's largest and best-known centers of academic medicine, Mayo Clinic was founded on the belief that health care specialists from diverse fields must work together, teach and learn from each other, and advance medical research to provide quality patient care.

***Mayo Clinic teamwork  
spans many locations***

**In Jacksonville, Florida**

Mayo Clinic Jacksonville  
St. Luke's Hospital

**In Rochester, Minnesota**

Mayo Clinic Rochester  
Saint Marys Hospital  
Rochester Methodist Hospital  
Charter House

**In Scottsdale, Arizona**

Mayo Clinic Scottsdale  
Mayo Clinic Hospital

**Mayo Health System**

## *Administrative Structure*

The postdoctoral program in clinical neuropsychology exists under the auspices of the Mayo Graduate School of Medicine (MGSM), which administrates all residency and fellowship programs offered by Mayo Clinic. At present, there are currently 42 residency and fellowship programs at Mayo Clinic in Jacksonville, including programs in Behavioral Neurology, Advanced Clinical Neurology, Clinical Neurophysiology, Cerebrovascular Diseases and Psychiatry. The director of the Clinical Neuropsychology fellowship is Dr. John Lucas.

Mayo Clinic Jacksonville's Clinical Neuropsychology Fellowship is a member program of the Association of Postdoctoral Programs in Clinical Neuropsychology (APPCN). APPCN's mission is to establish standards of postdoctoral education and training that lead to the development of competency in clinical neuropsychology.

## *Program Description*

The postdoctoral training experience is divided into 60 percent clinical service and 40 percent research and didactics throughout the course of the two-year program. Clinical service activities are devoted exclusively to neuropsychological assessment for the first six months of fellowship. After the first six months, the fellow may elect to pursue additional clinical activities in non-neuropsychological elective rotations (described below).

## Clinical Training

The average clinical workload for the Neuropsychology Fellow consists of five complete neuropsychological assessments per week. During the first months of the program, the fellow is responsible for their own test administration and scoring. Psychometrist assistance is available once the fellow demonstrates competence in test administration and scoring, and gains experience working with various clinical populations. All cases are supervised by a licensed psychologist. Ad hoc consultation/supervision is also available with specialists in Behavioral Neurology, Neuroradiology, Neurosurgery, Neuropathology, Psychopharmacology, and Psychiatry.

Patients referred to the clinical neuropsychology service present with a variety of adult neurocognitive disorders, including traumatic brain injuries, cerebrovascular disorders, neoplastic disorders, infectious diseases, systemic illnesses, seizure disorders, psychiatric conditions, and degenerative brain diseases. The majority of patients present with questions of dementia. In addition to general neuropsychological services, the fellow participates in Wada testing and intra-operative brain mapping of surgical patients.

Opportunities in personality assessment, outpatient cognitive-behavioral therapy and behavioral medicine are available as electives within the Section of Psychology. These electives provide training in the evaluation and treatment of patients with chronic pain, anxiety disorders, depression, weight management problems, nicotine dependence, stress, sleep disturbances, and sexual dysfunction. Elective rotations in various medical specialties, including behavioral neurology, movement disorders, EEG, and sleep disorders, are also available.

## Research Training

The fellow is expected to organize and carry out at least one independent neuropsychological research project during the two-year fellowship, with the goal being presentation at a national conference and publication in a peer-reviewed journal. Research opportunities are available through Mayo's NIA-funded Alzheimer's and Parkinson's Disease Centers, state-funded Memory Disorders Clinic, and a variety of clinical programs such as Mayo Clinic's Sleep Disorders Clinic, Multiple Sclerosis Clinic, Cancer Center, Organ Transplant Program, and Epilepsy Surgery Program. The fellow is also encouraged to collaborate with others on additional research projects as time permits.

### *Bench to bedside*

Mayo Clinic is committed to basic and clinical research that leads to better patient care.

#### **Mayo Clinic's hallmark is teamwork —**

- Among basic and clinical investigators
- Among investigators and clinical practitioners
- Across Mayo Clinic sites
- Between Mayo Clinic and other institutions

#### **Mayo Clinic people in research —**

- 270+ full-time physicians and scientists
- 400+ associates and fellows
- 1,400+ administrative and allied health staff

#### **Research funding sources —**

- Extramural funds = \$146 million+
- Mayo Clinic funds/other revenue = \$123 million+

## **Didactics**

Clinical conferences, seminars, small discussion groups, research center meetings, and one-on-one instruction are all an integral part of the Clinical Neuropsychology Fellowship Program.

Organized didactic experiences include the Behavioral Neurology Seminar Series, Neuroscience Lecture Series, Neurobehavioral Rounds, Neurosurgery Case Conference, Sleep Disorders Case Conference, Brain Cutting, Neuropathology Conference, and Medical Grand Rounds. The fellow may also choose to participate via real-time satellite in Mayo Clinic Rochester's neuroanatomy course.

## *Faculty*

In addition to caring for patients in their clinical practices, Mayo Clinic's faculty members are committed to teaching and facilitating the growth of medical knowledge. Many of our faculty have published and lectured extensively and are recognized leaders in their field. You will have direct access to these individuals throughout your training program. Key faculty members involved with the Clinical Neuropsychology Fellowship program are listed below.

## Psychology Faculty

**John A. Lucas, Ph.D., ABPP /ABCN**, serves as program director for the clinical neuropsychology fellowship. He earned his doctorate in clinical psychology from the University of Texas at Austin and completed his internship and post-doctoral training in neuropsychology at the University of California, San Diego School of Medicine/ VA Medical Center. Dr. Lucas is an Associate Professor of Psychology, with primary research interests in normative neuropsychology, early detection of dementia, and cognitive sequelae of movement disorder surgeries.

**Steven C. Ames, Ph.D.**, Assistant Professor of Psychology, received his doctoral degree in clinical psychology from Louisiana State University in 1999. He completed his internship at the Medical University of South Carolina, followed by a three year Postdoctoral Research Fellowship with the Nicotine Center at Mayo Clinic. Dr. Ames practices behavioral medicine, with a particular interest in the cognitive behavioral treatment of anxiety, nicotine dependence, and obesity. His research focuses on identifying risk factors for tobacco use and developing more effective treatments for young adult tobacco users.

**Tanis J. Ferman, Ph.D.**, Assistant Professor of Psychology, earned her doctorate from the Chicago Medical School. She completed her internship at the University of Chicago Medical Center and her postdoctoral fellowship at Mayo Clinic Rochester. Dr. Ferman is principal investigator on an NIA-funded grant to study the clinical and diagnostic features of Lewy body disease. Other research interests include investigating the psychiatric, cognitive, and sleep features of Alzheimer's disease and other neurodegenerative conditions.

**Mark S. Schwartz, Ph.D.**, Professor of Psychology, is Chair of the Section of Psychology. He is past president of the Association for Applied Psychophysiology and Biofeedback and certified by the Biofeedback Certification Institute of America, the American Board of Assessment Psychology, and the American Board of Clinical Sexology.

## **Other Faculty**

**David R. Chabolla, M.D.**, Assistant Professor of Neurology, is Director of the Epilepsy Monitoring Unit at St. Luke's Hospital and Board Certified in Neurology and Clinical Neurophysiology. Dr. Chabolla leads the Epilepsy Surgery Evaluation team and assists in supervision of Wada testing and intraoperative brain mapping procedures.

**J. Richard Crossfield, MA, LMHC**, is a psychotherapist in the Department of Psychiatry and Psychology. He holds certificates in primary and advanced therapies from the Albert Ellis Institute for Rational Emotive Behavior Therapy. His interests include cognitive-behavioral approaches to mental illness, addiction therapy, and organ transplant candidate selection.

**Dennis W. Dickson, M.D.**, Professor of Pathology, is Board Certified in anatomic pathology and neuropathology, and has written over 180 manuscripts and book chapters on pathological markers associated with normal aging and dementia. Dr. Dickson holds weekly brain cutting and neuropathology conferences in which autopsy findings of patients with dementia are reviewed.

**Paul A. Fredrickson, M.D.**, Chair of the Department of Psychiatry and Psychology, is co-director of Mayo Clinic Jacksonville's Sleep Disorders Clinic and past president of the American Sleep Disorders Association. He is certified by the American Board of Psychiatry & Neurology and the American Board of Sleep Medicine, and is available for clinical supervision and research with patients with sleep disorders.

**Neill R. Graff-Radford, MBBCA, BCH, MRCP (UK)**, Professor of Neurology, is Chair of the Department of Neurology and Principal Investigator on Jacksonville's component of Mayo's NIA-funded Alzheimer's Disease Center. He is also Medical Director of Mayo's state-funded Memory Disorders Center. He has published more than 85 papers and chapters on memory, symptomatic hydrocephalus in the elderly, thalamic function and dysfunction, and degenerative dementia.

**Siong-chi Lin, M.D.**, Assistant Professor of Psychiatry, is Board Certified in Sleep Medicine and General Psychiatry. His clinical and research interests include sleep disorders, acupuncture, and geropsychiatry

**Marjorie McMaster, M.D.**, is a Consultant in the Department of Psychiatry and Psychology. She specializes in assessment and treatment of anxiety and depressive disorders. Dr. McMaster is program director for the Family Medicine resident seminar series.

**Elliott Richelson, M.D.**, Professor of Pharmacology, is a Fellow of the American Psychiatric Association and the American College of Neuropsychopharmacology. His research interests include development of drugs to treat neuropsychiatric diseases, such as depression, schizophrenia, Alzheimer's disease, and Parkinson's disease.

**Ryan Uitti, M.D.**, Associate Professor of Neurology, is Clinical and Research Director of Mayo's Movement Disorders Clinic, and Program Director of the Department of Neurology's Movement Disorder Fellowship program. His research and clinical interests include Parkinson's disease, essential tremor, and medical and surgical therapeutic trials for treatment of movement disorders.

**Adriana Vasquez, M.D.**, is a consultation and liaison psychiatrist in the Department of Psychiatry and Psychology, providing psychiatric care to hospitalized medical and surgical patients. She also coordinates psychiatric and psychological services for Mayo Clinic's organ transplant evaluation team. Her research interests include investigating compliance and identifying predictors of outcomes following organ transplant.

**Robert E. Wharen, M.D.**, is Chair of the Department of Neurosurgery and Certified by the Board of Neurological Surgery. Dr. Wharen leads the Epilepsy and Movement Disorders Surgery teams at Mayo Clinic Jacksonville. His research interests include outcomes of surgical treatments for movement disorders, use of stimulation and selective resection for intractable epilepsy, and sports-related concussion.

**Zbigniew K. Wszolek, M.D.**, Associate Professor of Neurology, is a Board Certified neurologist, clinical neurophysiologist, and electrodiagnostic medicine consultant. His scientific interests are in the field of genetics of Parkinson's disease and related conditions, clinical neurophysiology, and neurologic complications of liver and bone marrow transplantations. He is a Clinical Core Director of Mayo Clinic Jacksonville's Morris H. Udall NIH Parkinson's Disease Center of Excellence.

## **Visiting Professors**

Many prominent professors visit Mayo Clinic each year and present their work during invited lectures and seminars.

## *General Program Information*

### **Rotations to Other Mayo Clinic Sites**

In addition to regular contact via satellite teleconference, the Clinical Neuropsychology fellow has the opportunity during the two-year fellowship to spend one month training on-site with the Neuropsychology faculty at Mayo Clinic in Rochester. Mayo Clinic funds the authorized additional costs of travel, housing, and car rental fees associated with this rotation.

### **Evaluation**

To ensure that the fellow acquires adequate knowledge and develops technical skills, performance is monitored carefully during the course of the fellowship. Informal feedback regarding progress in achieving/demonstrating competence in professional practice, research, and ethical standards is provided on an on-going basis. In addition, every six months the program director meets with individual supervisors and provides a formal progress report to the fellow and to Mayo's Graduate School of Medicine. Further information regarding evaluation and grievance procedures are reviewed during orientation.

# *Facilities and Resources*

## **Facilities**

Mayo Clinic in Jacksonville is a comprehensive outpatient facility located on 240 acres west of the Intracoastal Waterway near the Jacksonville Beaches. It includes full laboratory and neuroimaging services as well as an ambulatory surgery center. St. Luke's Hospital is a Mayo Clinic-owned, 289-bed facility with 16 operating rooms, an epilepsy monitoring unit, and state-of-the-art neuroradiology suites. The Birdsall Medical Research Building is a 75,000 square-foot facility on the Mayo Clinic campus that is dedicated to neuropathology, neurogenetic, neurobiologic, and pharmacologic study of brain disease. A state-of-the-art organ transplant program, women's wellness center, and cancer research center are among the latest additions to Mayo Clinic in Jacksonville.

## **Patient Population**

As a regional medical center for the Southeast, Mayo Clinic in Jacksonville registers more than 55,000 patients each year. Eighty-five percent of the clinic's patients are self-referred and come from within a day's drive. Mayo Clinic has a reputation for successfully handling the most challenging and difficult medical problems for people from around the world, allowing you to see and treat an exceptional variety of illnesses during your clinical training.

Mayo Clinic in Jacksonville is staffed by more than 325 physicians, who practice in 50 medical specialties. The Department of Psychiatry and Psychology is housed in the main building on the Mayo campus and includes four psychologists, one psychopharmacologist, five psychiatrists, one nurse practitioner, two mental health counselors, five psychometrists, and four administrative assistants.

## **Libraries**

The Bursak Biomedical Library at Mayo Clinic in Jacksonville has a growing collection of more than 1,000 medical texts, 200 current journal subscriptions and access to over 3,500 full text online journals. Other electronic resources provided by the library include OVID databases (Current Contents, Evidence-Based Medicine, Cochrane's), MD Consult, Harrison's Online, drug information databases (Micromedex and Maven). Residents have access twenty-four hours per day, seven days a week to the print collections, computer workstations, photocopy machines, and audiovisual equipment.

The St. Luke's Hospital Library is also available around the clock. Reference librarians can perform literature searches or help you with interlibrary loans. Many clinical conferences are preserved on videotape. You may view them at the library or check them out for use at home.

In addition, the resources of the Mayo Clinic library system in Rochester are easily accessible. The Mayo Clinic Library system has one of the largest medical collections in the world, with more than 4,300 journal subscriptions, nearly 353,000 bound volumes, and several medical databases and search engines.

## **Telecommunications System**

A sophisticated satellite telecommunications system, which provides video teleconferencing and data transmission, links Mayo Clinic's practice sites in Rochester, Scottsdale and Jacksonville. Staff can have live, interactive consultations with physicians and their patients at the other sites via TV monitors. In addition, X-rays, laboratory test results, CT scans, ECG tests, angiograms and pathology slides can be transmitted between sites, providing rich educational opportunities.

# *Compensation and Benefits*

## **Vacation and Trip Policy**

Fellows may take up to 15 working days (three weeks) each year for vacation.

When presenting research at a regional or national meeting, Mayo Clinic will pay authorized expenses, including conference registration (if required for presentation), travel expenses, and per diem expenses for the day before and day of presentation.

## **Stipends and Other Benefits**

Currently, the stipend for the postdoctoral fellowship position is comparable to a PG-I medical resident.

Mayo Clinic has highly competitive stipends and a benefits package that includes:

- A comprehensive medical care plan
- Short-term disability insurance
- Voluntary basic life insurance, disability insurance, and family life insurance
- Voluntary additional life insurance
- Voluntary accidental death and dismemberment insurance
- A dental assistance plan
- Excess personal liability insurance
- Professional liability coverage

Additional information about stipends and benefits will be provided during personal interviews.

# *The Jacksonville Community*

Jacksonville is a great place to work and live. Built along the St. Johns River and the Atlantic Ocean in northeastern Florida, Jacksonville is home to more than one million residents. Known for its beaches, Jacksonville attracts many visitors for surfing, swimming, windsurfing, fishing and water skiing. Tennis and golf also are popular activities in the region. The international headquarters for the Association of Tennis Professionals and the national headquarters of the Professional Golf Association Tour are located in Jacksonville.

If you enjoy team sports, you have several choices. College basketball and baseball teams are fielded by Jacksonville University and the University of North Florida. Jacksonville also is home to the annual Gator Bowl and a National Football League team, the Jacksonville Jaguars. Jacksonville will host the NFL Super Bowl in 2005.

The city has five regional shopping centers, more than 200 restaurants, a zoo, two major art galleries, eight museums, a symphony orchestra, and several theaters and nightclubs. There are nearly 250 public and private schools and 14 regional colleges and universities. The nationally famous Jacksonville Jazz Festival is held each year in Metropolitan Park.

Lifestyles in Jacksonville are focused around neighborhoods, each with its own distinctive character and schools. Housing costs are among the lowest of Florida's major cities.

## *Appointments and Applications*

Currently, Mayo Clinic Jacksonville accepts one fellow into the Clinical Neuropsychology Fellowship Program every two years. Applicants must have completed a doctoral degree from an APA or CPA accredited program in one of the health service delivery areas of psychology (e.g., clinical, counseling, health psychology). Graduate training must include core clinical coursework in psychopathology, psychometric theory, assessment techniques, and professional ethics. Graduate coursework in neuropsychological theory is strongly encouraged.

All applicants must complete an APA or CPA accredited internship with at least one rotation in a neuropsychology specialty area. Applicants who have not yet completed oral defense of their dissertation, or who have completed a “respecialization” program designed to meet equivalent criteria as a health services delivery training program in psychology will be considered. Applicants should have solid writing skills and experience in research methods and statistical analysis.

All recruitment and notification procedures comply with the rules set forth by the Association of Postdoctoral Programs in Clinical Neuropsychology (APPCN) and follow APA ethical guidelines. We participate in the APPCN Resident Matching Program. Candidates interested in applying for this fellowship must register with National Matching Services, Inc.

Information about the APPCN Resident Matching Program is available at [www.natmatch.com/appcnmat/index.htm](http://www.natmatch.com/appcnmat/index.htm). Applicants are free to choose among fellowship offers without prejudice.

To apply to the fellowship program, candidates should submit:

- A Mayo Graduate School of Medicine (MGSM) application form
- Official undergraduate and graduate school transcripts (required by MGSM)
- Three letters of recommendation
- Curriculum vitae
- Two sample clinical reports edited for confidentiality
- Reprints/Pre-prints of published manuscripts (optional)

**The completed MGSM application form should be sent to:**

Mayo Clinic  
Mayo Graduate School of Medicine  
200 First Street SW  
Rochester, MN 55905

**All other application materials should be sent to:**

John A. Lucas, Ph.D., ABPP/ABCN  
Director, Postdoctoral Fellowship in Clinical  
Neuropsychology  
Department of Psychiatry & Psychology  
Mayo Clinic Jacksonville  
4500 San Pablo Road  
Jacksonville, FL 32224

The deadline for receipt of all application materials is February 1. Formal interviews are held during the Interview Day at the International Neuropsychological Society (INS) in February. Candidates who cannot attend INS may be interviewed by telephone.

## *Inquiries*

If you would like an application form or more information, please contact:

Brenda Keyser  
Mayo Clinic Jacksonville  
Graduate Education (172W)  
4500 San Pablo Road  
Jacksonville, FL 32224  
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**For more information about the Mayo Graduate School of Medicine, please visit our Web site at [www.mayo.edu/mgsm/gsm.htm](http://www.mayo.edu/mgsm/gsm.htm)**

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