



## Clinical Neuropsychology Postdoctoral Fellowship 2023-25

### OVERVIEW

The Adult Section of the Department of Psychiatry and Behavioral Neurosciences at The University of Chicago is offering a full-time two-year postdoctoral fellowship in Clinical Neuropsychology, starting July 2023. The academic medical center program mission is to provide advanced-level clinical, didactic, and academic training, consistent with Houston Conference Guidelines, to produce competent psychologists in the specialty of Clinical Neuropsychology who are prepared for board certification with ABPP/ABCN. Our clinical neuropsychology fellowship program is an APPCN member and housed in the Department of Psychiatry & Behavioral Neuroscience at the University of Chicago within the Biological Sciences Division (BSD), Pritzker Medical School, and University of Chicago Medicine (UCM).



## Institutional Mission

The UChicago Medicine mission is to provide superior health care in a compassionate manner, ever mindful of each patient's dignity and individuality. To accomplish our mission, we call upon the skills and expertise of all who work together to advance clinical innovation, serve the health needs of the community, and further the knowledge of those dedicated to caring. In keeping with our *Vision 2025: Advancing the Forefront* initiatives, The University of Chicago Medicine aspires to be an eminent academic health system at the forefront of discovery, advanced education, clinical innovation and transformative health care. The mission involves combining compassionate patient care with groundbreaking medical and biological research, enabling us to be on the front line in facing the world's most pressing medical and psychosocial challenges. The medical center is a nationally ranked tertiary care complex with 811 licensed inpatient beds. Since opening its first hospital in 1927, the University of Chicago Medicine has grown into an integrated academic and community health system. Centered in historic, tree-lined Hyde Park, where the medical center complex is located on the picturesque University of Chicago campus, UChicago Medicine also has dozens of outpatient clinics around the Chicago area, including locations in downtown Chicago, the south suburbs, and Northwest Indiana. The University of Chicago community has a long and rich history of academic excellence, with over 100 Nobel Prize winners associated with the institution as faculty or former students. The institution has a strong commitment to training the next generations of scientist-practitioners, with teaching and mentoring of students being a requirement for faculty employment and advancement at the University of Chicago.

The Neuropsychology Program likewise has a long and rich history in the field of neuropsychology, dating back to Dr. Ward Halstead's establishment of one of the first clinical neuropsychology labs in the world during the 1930s. The program is deeply committed to the highest level of training in neuropsychology at the extern, intern, and fellowship levels. The neuropsychology fellowship first joined the Association of Postdoctoral Programs in Clinical Neuropsychology (APPCN) in 1998, with membership renewed in 2022 when the fellowship was resumed following a hiatus of several years.



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The primary training method of our fellowship is experiential, with developmentally-based training modalities that include in-clinic case-centered teaching, as well as mentoring, regular individual supervision, group supervision, and robust didactic education.

The neuropsychology fellowship is embedded in a more comprehensive program of psychology training at the extern, intern, and fellowship levels: <https://psychiatry.uchicago.edu/education>. The internship program has a dedicated neuropsychology track, and the neuropsychology externship provides a year-long practicum experience to approximately 14 select externs from several doctoral programs in the greater Chicago region (e.g., Rosalind Franklin University, Northwestern University, Illinois Institute of Technology, University of Notre Dame, Roosevelt University, Adler University, Wheaton, The Chicago School). This critical mass of neuropsychology training activities allows the fellow to develop teaching skills through involvement in the neuropsychology didactics program and to hone skills in supervision through a developmentally-based tiered (umbrella) supervision training model.

The Neuropsychology fellowship is one of five advanced specialty psychology fellowships offered by our department for the coming training year: <https://psychiatry.uchicago.edu/clinical-psychology-fellowship-program>. This collective of fellows from various psychology specialties allows for a professional peer group to enhance camaraderie and mutual support.

The department has many different types of trainees including psychiatry residents and fellows, medical students, and psychology interns, externs, and postdoctoral fellows. UCM is made up of several different inpatient and outpatient units. In Hyde Park (approximately 5 miles south of downtown Chicago), inpatient facilities include the Center for Care and Discovery (CCD), Bernard Mitchell Hospital, and Comer Children's Hospital. Most outpatient/ambulatory services for adults are provided in the Duchossois Center for Advanced Medicine (D-CAM) and outpatient/ambulatory services for children are provided in Comer. The Department of Psychiatry and Behavioral Neuroscience faculty offices and outpatient services reside in the Billings Hospital section of the main medical center campus complex. UCM is a Level I Trauma Center and provides emergency services for adults and children. UCM has partnerships with other community hospitals (e.g., La Rabida, Ingalls, Silver Cross, AdventHealth, etc.) and provides ambulatory services in outpatient clinics across the greater Chicagoland area. We also have an academic affiliation with Northshore University Health Systems located in Evanston, IL. UCM is currently in a phase of tremendous growth with new partnerships and affiliations being developed on an ongoing basis. The UCM patient population includes patients from both the local academic community and areas whose residents are predominantly underserved and low income. Patients seeking services in the UCM system comprise a diverse, multiethnic, multilingual population with complex medical and psychosocial needs. The fellow will have opportunities to work with patients across many individual differences variables including socio-economic status, education, culture, religion, language, national origin, gender, and sexual orientation.



Most of the fellowship experience is with outpatients referred from within and outside of the academic medical center, though there will also be opportunities to develop inpatient consultation skills. In general, our neuropsychology fellows provide services on the main University of Chicago medical center campus with a couple of exceptions. Adult Neuropsychology fellows typically complete a rotation at the Center for Comprehensive Care and Research on Memory Disorders, located at the South Shore Senior Care Clinic, 4.5 miles away from the main UCM campus in Hyde Park (although this clinic is currently operating at the main campus during pandemic protocols). The fellow also completes a rotation in the Department's Northwest Indiana satellite clinic, located in Merrillville IN, a 45-minute drive away.

### Neuropsychology Postdoctoral Fellowship Mission

The postdoctoral fellowship (residency) in neuropsychology at the University of Chicago Medicine is an APPCN member program and follows the Houston Conference training guidelines to provide advanced level clinical, didactic, and academic training to produce competent psychologists in the specialty of Clinical Neuropsychology. The fellowship primarily focuses on adult ( $\geq 18$  years old) patient populations, but lifespan training is also available through a major rotation option in pediatric neuropsychology. The position is a full-time, two-year fellowship that primarily involves clinical and didactic activities, with a minor emphasis on clinical research. The fellowship is optimally designed for trainees who are pursuing a career in academic neuropsychology and/or in a medical center environment. The specific aims of our program include:

- To recruit and train outstanding, ethical, skilled, and culturally sensitive scientist-practitioner neuropsychologists who will be prepared for entry level practice as independently functioning clinical neuropsychologists
- To provide training in evidence-based approaches to neuropsychological assessment, in order to develop the competencies necessary for the specialized practice of clinical neuropsychology and eventual attainment of Board Certification in Clinical Neuropsychology
- To develop advanced understanding of brain-behavior relationships through participation in clinical teaching clinics, various neuropsychology didactics, and a medical school neuroanatomy course (Medical Neurobiology)
- To develop generalist neuropsychological skills through exposure to a wide range of diverse patient populations and neurobehavioral conditions
- To develop neuropsychologists who share the program's commitment to understanding and advancing the aims of diversity, equity, and inclusion
- To place special emphasis on the development of advanced skills for clinical interviewing, sophisticated report-writing, and provision of effective feedback to referral sources, patients and (when appropriate) their family members



- To facilitate fellows' professional development by customizing each trainee's experience to be as consistent as possible with their specialized training goals and career aspirations through mentorship, supervision, didactic education, and experiential training

## Program Structure

The Director of the Fellowship is Joseph Fink, PhD, ABPP/CN. This APPCN-member fellowship program is embedded in the Clinical Psychology Training program (Training Director: Shona Vas, PhD, ABPP), which in turn is part of the Education program for the Department (Vice Chair for Education and Academic Affairs: Deborah Spitz, MD). The neuropsychology faculty and fellowship program are centered in the Department of Psychiatry and Behavioral Neuroscience at the University of Chicago, located in the south-side Hyde Park neighborhood of Chicago. The neuropsychology faculty (highlighted below) includes five full-time neuropsychologists with academic rank in the Pritzker School of Medicine within the Biological Sciences Division of the University of Chicago, with additional new hires anticipated in the next year. The neuropsychology program receives diverse referrals from a very wide range of referral sources both within and outside of this tertiary care academic medical center. The majority of the referrals are from neurologists who specialize in a vast range of conditions (e.g., neurodegenerative diseases, stroke and other vascular diseases, epilepsy, traumatic brain injury, multiple sclerosis, neuropsychiatric disorders) affecting neurocognitive/behavioral functioning. Referral questions typically involve differential diagnosis, treatment planning, serial testing to document patterns of improvement or decline, decision-making capacities, or disposition. Additional referral sources include a large spectrum of providers including but not limited to psychiatrists, neurosurgeons, geriatricians, primary care physicians, psychologists, and social workers. There are also opportunities to participate in IME and forensic cases. A flexible battery approach is used for the majority of clinical referrals.

Approximately 70% of the fellow's week will be spent engaged in providing clinical services under faculty supervision, including assessment and treatment activities. The remaining time will be spent in educational (approximately 20%) and research (approximately 10%) activities.





### Sample Postdoctoral Fellow Schedule\*

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00			Supervision	Neurology Grand Rounds	Brain Cutting
9:00	MAJOR ROTATION #1  (e.g., Memory Disorders Center)	RESEARCH TIME	MAJOR ROTATION #2  (e.g., Northwest Indiana Neuropsychology Clinic)	Therapy	
10:00				Diversity Seminar / Supervision Seminar	
11:00					Clinical Neurosciences Series
12:00				Psychiatry Grand Rounds	
1:00				ELECTIVE ROTATION  (e.g., Behavioral Neurology)	Neuroanatomy
2:00					Case Conferences/ Group Supervision
3:00					Supervision
4:00					
5:00					

\*For illustrative purposes--with the exception of didactic meetings, actual days and time blocks will depend on Fellow's choices.

## Clinical Rotations

### Major Rotations

The fellow will select two major rotations every six months. Each major rotation clinic day starts with the faculty neuropsychologist meeting with trainees in a teaching session for at least an hour to go over each case via a Socratic investigation of the referral questions, case history, and differential diagnosis considerations. Patient interviews and feedback sessions are conducted collaboratively with the neuropsychologist and fellow. In keeping with the Houston Conference training guidelines, the program follows a developmental training model which affords increasing autonomy as knowledge and skills develop.

The major rotations are offered at four different clinic training sites:

- **UChicago Adult Neuropsychology Clinic.** The highest volume of cases for our service are seen at this site, which handles referrals from across the adult age spectrum. Within the flow



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of general referrals, there are also opportunities for specialized consultation services to inpatients and patients undergoing focused workup for neurosurgery, movement disorders, and epilepsy. In each six-month rotation at this site, the fellow will train with one of the neuropsychologists and will typically be exposed to a very wide variety of cases (e.g., neurodegenerative diseases, stroke and other vascular diseases, epilepsy, traumatic brain injury, multiple sclerosis, learning disabilities, sleep disorders, neuropsychiatric disorders, complex medical conditions such as autoimmune and liver disease, etc.)

- **Center for Comprehensive Care and Research on Memory Disorders.** This multidisciplinary center is directed by James Mastrianni, MD, PhD and provides comprehensive assessment and treatment of patients presenting with memory concerns. The fellow will gain experience in conducting somewhat briefer neuropsychological evaluations that are an important component of a multidisciplinary approach to providing care for mostly older adult patients who are typically found to have Mild Cognitive Impairment or dementia due to various neurodegenerative and/or medical etiologies.
- **Northwest Indiana Neuropsychology Clinic.** This UChicago satellite clinic serves the adjacent northwest Indiana region, receiving referrals from neurologists and other providers in this area. In addition to a wide spectrum of general referrals, there are opportunities for specialized assessments with patients who have experienced traumatic brain injuries and with cases referred for workers comp, fitness-for-duty, and forensic issues.
- **UChicago Pediatric Neuropsychology Clinic.** This clinic offers an opportunity for the fellow to gain lifespan experience by working with pediatric populations. This rotation option is best considered for the first six months of the fellow's second year, to allow for full participation in the pediatric neuropsychology introductory training and didactics. The Pediatric Neuropsychology Service receives referrals from other medical specialties, including Pediatrics, Neurology, Hematology-Oncology, Developmental and Behavioral Pediatrics, and Rheumatology. Patients range in age from 3-21 with a variety of medical, neurodevelopmental, and psychiatric conditions referred. In addition, patients are highly diverse in terms of race, ethnicity, gender identity, socioeconomic status, and geographic origin.

### Elective Minor Rotations

In addition to the two Major Rotations, the fellow will participate concurrently in one Elective Minor Rotation. These three to six-month minor elective rotations typically involve half-day experiences in neurology, psychiatry, and other relevant clinics. Training modalities are varied and flexible, but typically involve participation in cross-discipline training clinics in a range of specialties pertinent to the development of advanced neuropsychological knowledge and skills. In addition to the options listed below, other elective experiences can often be designed within this academic medical center environment to fit the fellow's training interests and trajectory. Established minor elective rotations include:



- Behavioral Neurology Clinic (Drs. James Mastrianni & Kaitlin Seibert)
- Stroke and Vascular Disease Clinic (Dr. Scott Mendelson)
- Movement Disorders Clinic (Drs. Tao Xie & Mahesh Padmanaban)
- EEG/Epilepsy Clinic (Dr. James Tao)
- Neuroimaging/Neuroradiology (Dr. Pasternak-Wise)
- Consultation-Liaison Psychiatry (Dr. Marie Tobin)
- Sleep Disorders Center (Drs. Kenneth Lee & Kay-Stacey)
- Behavioral Medicine Clinics (various psychology faculty)
- Child Psychology Clinics (various psychology faculty)
- Specialty Psychiatry Clinics (various psychiatry faculty)

Across the major rotations, fellows typically see two new neuropsychological evaluation patients in total per week, as well as feedback sessions with patients from prior weeks (except during the Medical Neurobiology medical school neuroanatomy course, when only one new patient per week is expected). The fellow receives a minimum of two hours of direct individual supervision per week from faculty neuropsychologists. With the several neuropsychologists on faculty, the fellow will gain exposure to a diversity of approaches to clinical neuropsychology. In addition to weekly supervision meetings, the fellow is engaged in “elbow to elbow” supervision during the clinic day, beginning in the morning case review meeting and occurring as needed throughout the assessment day.

Fellows provide tiered supervision for two cases per week, working collaboratively with selected extern trainees on their cases to assist with interpretation and report-writing skills, after the faculty neuropsychologist’s initial supervision of the case and before the neuropsychologist’s final supervisory completion of the report.

## Treatment Opportunities

While *assessment* is the centerpiece of the clinical training experience, there are also opportunities for advanced training in *intervention*. First, if desired the fellow will have opportunities to enhance psychotherapy skills through selection of elective rotations (see above) in the various Psychiatry/Psychology Clinics. Second, providers of various disciplines across the medical center refer patients with complex medical, psychiatric, and social histories for psychotherapy services. The fellow will typically see four intervention cases (cumulatively, with the option for more, if desired) over the course of the training program. The fellow will work with the supervising psychologist to identify patients with presenting problems that are especially relevant to neuropsychology and of interest to the fellow (e.g., functional neurologic disorders, persistent concussive symptoms, etc.) in order to ensure that this opportunity contributes meaningfully to the fellow’s professional development and specific career goals. Optional opportunities also exist for training as a group





therapy facilitator in various established departmental group intervention programs (e.g., mindful aging, mindful wellness group, living well with chronic pain), or for developing a group intervention aligned with the fellow's own interests.

## Educational Activities

### Medical School Neuroanatomy Course

**Medical Neurobiology.** The fellow takes the Medical Neurobiology course in the University of Chicago Pritzker School of Medicine. This medical school neuroanatomy course includes intensive lectures as well as lab sessions with human brain dissection. This course, in tandem with the neuroanatomy series from the neuropsychology didactics, is expected to fully prepare the fellow for neuroanatomy topics covered on the ABPP diplomate written exam.

### Required Neuropsychology Didactics

**Clinical Neuroscience Series.** This year-long didactic teaching slot is a centerpiece in the neuropsychology didactics. In the initial weeks of the training year, a set of introductory lectures focus on basic primers for trainee start-up (e.g., UChicago Neuropsychology Clinic operations/workflow; diversity, equity, and inclusion issues in neuropsychology; test interpretation; introduction to the profession and history of neuropsychology; basics of interview, report-writing, and feedback), and then progress in the first six months of the training year to a series of foundational lectures on each core neurocognitive domain (e.g., memory, language, executive, visuospatial, attention) and key neurobehavioral conditions (e.g., Alzheimer's, Vascular disease, traumatic brain injury, "subcortical" dementias, etc.). From there, the series covers a set of "What the Neuropsychologist Needs to Know About . . ." topics (e.g., EEG, neurological exam, neuroimaging, psychopharmacology, medical lab tests). During the second six months of the training year, the seminar topics alternate between advanced neuropsychological topics (e.g., forensics; pursuing board certification; applying to internship/fellowship), invited advanced lectures from cross-discipline faculty (e.g., prion disease, multiple sclerosis), and invited lectures from outside speakers on various timely topics related to neuropsychology. During the course of each training year, the fellow is expected to teach at least two of the lectures in the Clinical Neuroscience Series.

**Neuroanatomy.** During the Fall of each training year, the Neuropsychology Program offers a *Neuroanatomy for Neuropsychologists* course covering key neuroanatomical systems (e.g., neurodevelopment; limbic system; frontal networks; cranial nerves; basal ganglia; neuroendocrinology; cerebrovascular and ventricular systems; gut-brain axis; white matter networks). The fellow is expected to teach at least one of the lectures in this series.



**Case Conferences/Group Supervision.** This didactics slot starts with group supervision, which continues into the second six months of the training year, when it is then interleaved with trainee Case Conferences. Most Group Supervision sessions center on a single case of interest that is in-progress from the clinic and allows for a “deep dive” into advanced test interpretation and differential diagnosis via a group process facilitated by the faculty neuropsychologists. Ascertainment of clinical history is modeled on a “fact-finding” approach. The Case Conference is an opportunity for each trainee to offer an in-depth presentation on a neurobehavioral syndrome or key neuropsychological topic, all centered upon an illustrative and/or puzzling case. Both the Group Supervision and Case Conference meetings provide opportunities to review seminal and late-breaking journal articles of interest. The fellow will have opportunities to take a leadership role in these training venues.

### Other Required Didactics

**Neuropathology Rounds (“Brain Cutting”).** The fellow has the opportunity to attend rounds as a guest of the neuropathology program, in order to observe post-mortem clinico-pathologic dissections and teaching.

**Psychiatry Grand Rounds.** During this departmental-wide educational meeting that occurs for 9 months of the training year, invited speakers from national leaders in psychiatry and psychology present on a variety of research and clinical topics relevant to mental health. In weeks between the invited outside speakers, psychiatry and psychology interns, residents, and fellows develop and present Case Conferences. In these Case Conference presentations each advanced trainee will have the opportunity to present on topics centered on a specific case and, collaborating with a faculty discussant from the medical center, lead a departmental discussion of the case and the relevant literature. The neuropsychology fellow will present once each year in this departmental Case Conference series that is part of Psychiatry Grand Rounds.

**Neurology Grand Rounds.** The fellow is expected to attend this Neurology Department educational experience for topics of relevance to neuropsychologists.

**Diversity Seminar.** In addition to diversity didactics in the neuropsychology program and within Psychiatry Grand Rounds, the fellow attends a twice-monthly Diversity Seminar facilitated by the Psychology faculty for psychology interns and fellows.

**Supervision Seminar.** Alternating with the Diversity Seminar, this twice-monthly seminar focuses on theory and practice of providing supervision of clinical services.

**Elective Rotation-Specific Didactics.** Depending on the fellow’s choices of elective minor rotations, there will likely be opportunities for participation in specialty case conferences, seminars, and other didactics specific to the cross-disciplinary services.



## Other Optional Didactics

**Pediatric Clinical Neuroscience Seminar.** This seminar has been designed to provide a background in developmental neuroanatomy and neuropsychology; developmentally based assessment and diagnosis of cognitive, behavioral, and psychological sequelae of neurological and medical disorders; the common neuropsychological concerns that underlie behavioral and emotional disorders; and culturally, ethnically, and socioeconomically responsive approaches to assessment and diagnosis. Includes discussion of pertinent issues relevant to pediatric consultation and intervention and assist trainees and other seminar attendees in developing a framework for the conceptualization and provision of feedback concerning diagnosis and recommendations. The fellow may have the option to attend this seminar based on interest and availability.

**Professional Issues Seminar.** This seminar focuses on the transition from trainee to independent health service psychologist. This weekly meeting is optional for the neuropsychology fellow, who may benefit from learning about updating to a professional CV, giving a compelling job talk, grantspersonship, appointments and promotions, board certification, and negotiation for academic positions.

## Diversity, Equity, and Inclusion

Our Department has an active commitment to the values and aims of diversity, equity, and inclusion in its clinical, research, and teaching missions. These values and aims are infused throughout the clinical and educational activities of our institution and, as highlighted above, are explicitly integrated into the didactics programming. The Diversity Seminar has a dynamic curriculum that is adjusted each year to meet the advanced psychology trainees' needs, preferences, and training goals, as well as to address the sociocultural and political environment of our country, city, and community in terms of health care more generally and psychological health in particular. The Department respects the individual differences among patients, trainees, faculty, and staff including but not limited to race, ethnicity, age, gender orientation, sexual orientation, and disability status. One of our program's training goals is the acquisition of profession-wide competency in understanding, managing, and facilitating individual and cultural diversity.

## Research

The fellowship emphasizes the scientist-practitioner model of training. Although the fellowship is weighted toward clinical and educational training experiences, a 10% effort toward research goals is expected. It is expected that during the first year the fellow will produce at least one scientific poster



for presentation at a national conference. During the second year, the fellow will submit a study or literature review for publication or a grant proposal for funding. There are multiple opportunities for involvement in research projects. Fellows can join ongoing research projects with faculty members (see Neuropsychology Faculty and Other Faculty information/links below) or develop their own projects. The Neuropsychology Program has an extensive archive of patient data. Under a faculty mentor's role as primary investigator, the fellow can also pursue pilot awards through the Dean's Fund or other funding sources. Applicants selected for interviews are encouraged to inquire about active research activities or areas of faculty interest that complement their career interests and goals.

## Neuropsychology Faculty

**Joseph Fink, PhD, ABPP-ABCN** is Director of the Neuropsychology Fellowship. Dr. Fink is a board-certified clinical neuropsychologist who has been on faculty at the University of Chicago in the Adult Neuropsychology Program since 1997. He completed his Masters at Harvard University, his Ph.D. at the University of Notre Dame, and his fellowship in clinical neuropsychology at Northwestern University. He serves on the Board of the American Academy of Clinical Neuropsychology. Dr. Fink is currently active clinically at three different sites. In addition to his neuropsychological assessment clinic at the University of Chicago Medical Center main medical campus, he is a member of the multidisciplinary Memory Disorders Center at the University of Chicago South Shore Clinic, and he also directs the University's Northwest Indiana satellite neuropsychology clinic. He began as the Director of the Postdoctoral Fellowship Program in Clinical Neuropsychology in 2001. Dr. Fink has interests in neuropsychological detection and characterization of neurodegenerative conditions, investigation of various types of memory disruption and their neural substrates, medical neuropsychology, traumatic brain injury, forensic neuropsychology, and the neurocognitive sequelae of electrical trauma.



### Selected Publications

- Dorociak, K., Soble, J., Rupert, P., **Fink, J.**, Lee, R., Anitescu, M., Weiss, D., Cooke, G., Resch, Z., & Pliskin, N. (2022). Pain influences neuropsychological performance following electrical injury: A cross-sectional study. *Journal of the International Neuropsychological Society*.
- Resch, Z.J., Paxton, J.L., Obolsky, M.A., Lapitan, F., Cation, B., Schulze, E.T., Calderone, V., **Fink, J.W.**, Lee, R.C., Pliskin, N.H. & Soble, J.R. (2021) Establishing the base rate of performance invalidity in a clinical electrical injury sample: Implications for neuropsychological test performance, *Journal of Clinical and Experimental Neuropsychology*, 43(2), 213-223.
- Mosti, C.B., Rog, L.A., & **Fink, J.W.** (2019). Differentiating mild cognitive impairment and cognitive changes of normal aging. In L. Ravdin & H. Katzen (Eds.) *Handbook on the Neuropsychology of Aging and Dementia*. Clinical Handbooks in Neuropsychology. New York: Springer.
- Fink, J.** (2018). Beyond the tests: Record review, interview, and observations in forensic neuropsychology. In S. Bush, M. Rohling, & G. Demakis (Eds.), *APA Handbook of Forensic Neuropsychology*. Washington, D.C.: American Psychological Association.



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Parikh, S., **Fink, J.W.**, Feigon, M., & Pliskin, N.H. (2017). Electrical and lightning injuries. In D. Han (Ed.), *Acquired Brain Injury: Clinical Essentials for Neurotrauma and Rehabilitation Professionals*. New York: Springer.

**Maureen Lacy, PhD** is a clinical and research neuropsychologist who has been on faculty at the University of Chicago in the Adult Neuropsychology Program since 1996. She completed her Ph.D. at Illinois Institute of Technology, her internship at University of Florida and her fellowship in clinical neuropsychology at University of Michigan Medical Center. Along with maintaining her major clinic at the main UCMC, she is also a member of the multidisciplinary Memory Disorders Center at the University of Chicago South Shore Clinic. Dr. Lacy also holds a secondary appointment in Neurosurgery with a focus on assisting with assessing the impact of interventions on neuropsychological outcome to aid in better treatment planning. Dr. Lacy also works with our neurology movement disorders specialists and oncologists to assess cognitive outcome following interventions.



Clinically Dr. Lacy enjoys the diversity (CBD, PPA, Epilepsy) of clinical patients seen in our clinic which reflects our impressive medical-neurology faculty. This diversity provides the perfect environment for broad-based and in-depth learning for our fellows. The collaborative environment fosters an integrative care model. Finally, Dr. Lacy also provides training for fellows in clinical supervision working with two 5<sup>th</sup> year doctoral students along with medical fellows.

#### Selected Publications

- Lacy, M.**, Fong, M., Bolton, C., Maranzano, M., Bishop, M., & Artz, A. (2021). Cognitive functioning of older adults prior to hematopoietic stem cell transplantation. *Bone Marrow Transplantation*, 56(10), 2575–2581. <https://doi.org/10.1038/s41409-021-01331-9>
- Satzer, D., Mahavadi, A., **Lacy, M.**, Grant, J. E., & Warnke, P. (2021). Interstitial laser anterior capsulotomy for obsessive–compulsive disorder: Lesion size and tractography correlate with outcome. *Journal of Neurology, Neurosurgery & Psychiatry*. <https://doi.org/10.1136/jnnp-2021-327730>
- Wu S, Issa NP, **Lacy M**, Satzer D, Rose SL, Yang CW, Collins JM, Liu X, Sun T, Towle VL, Nordli DR, Warnke PC, Tao JX. Surgical Outcomes and EEG Prognostic Factors After Stereotactic Laser Amygdalohippocampectomy for Mesial Temporal Lobe Epilepsy. *Front Neurol*. 2021; 12:654668. PMID: 34079512
- Bolton, C., & **Lacy, M.** (2019). Comparison of cognitive profiles in Spinocerebellar ataxia subtypes: A case series. *Cerebellum & Ataxias*, 6(1). <https://doi.org/10.1186/s40673-019-0107-4>
- Bolton, C., & **Lacy, M.** (2019). Long-term neuropsychological and psychiatric outcomes in Susac's syndrome. *The Journal of Neuropsychiatry and Clinical Neurosciences*, 31(2), 181–182. <https://doi.org/10.1176/appi.neuropsych.18080173>
- Lacy, M.**, DeDios-Stern, S., Fredrickson, S., Parikh, S., Nader, T., & Frim, D. M. (2018). Prevalence of psychiatric diagnoses in pediatric Chiari malformation type 1. *Pediatric Neurosurgery*, 53(6), 371–378. <https://doi.org/10.1159/000488460>



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**Sarah Keedy, PhD** is a licensed clinical psychologist who trained as a neuropsychologist and is primarily engaged in research activities on the cognitive neuroscience and biology of major psychotic disorders. Dr. Keedy is involved with research and clinical training and has a strong track record as a mentor of trainees in competitive programs aimed at increasing diversity in the biomedical research workforce, including the University of Chicago's Post-Baccalaureate Research Training Program, the Neuroscience Early State Scientist Training Program, and NIH Supplements to Promote Diversity on Health-Related Research. She is expert at MRI-related research methods and collaborates to support the MRI portions of several clinical research studies in addition to her own. She serves as the Director of the Research Mission for the Department of Psychiatry and Behavioral Neuroscience. Current projects include working with populations ranging from psychosis, substance use and addiction, HIV, aggression, and trauma.



#### Selected Publications

- Coccaro EF\*, **Keedy SK**, Malina M, Lee R, Phan KL. Neuronal responses in social-emotional information processing in impulsive aggressive individuals. (2022). *Neuropsychopharmacology*, 47(6):1249-1255. *\*joint first authors*
- Rubin LH, Han J, Coughlin JM, Hill SK, Bishop JR, Tamminga CA, Clementz BA, Pearlson GD, Keshavan MS, Gershon ES, Heilman KJ, Porges S, Sweeney JA, **Keedy SK**. (2022). Real-time facial emotion recognition deficits across the schizo-bipolar spectrum. *Schizophrenia Res.* 243: 489-499
- Gotra MY, Hill SK, Gershon ES, Tamminga CA, Ivleva EI, Pearlson GD, Keshavan MS, Clementz BA, McDowell JE, Buckley PF, Sweeney JA, **Keedy SK**. (2020). Distinguishing patterns of impairment on inhibitory control and general cognitive ability among bipolar with and without psychosis, schizophrenia, and schizoaffective disorder. *Schizophr Res.* 223:148-157.
- Okuneye VT, Meda S, Pearlson GD, Clementz BA, Keshavan MS, Tamminga CA, Ivleva E, Sweeney JA, Gershon ES, **Keedy SK** (2020). Resting State Auditory-Language Cortex Connectivity is Associated with Hallucinations in Clinical and Biological Subtypes of Psychotic Disorders. *NeuroImage: Clinical* 27.
- Bershad, AK, Preller KH, Lee R, **Keedy SK**, Wren-Jarvis J, Bremmer MP, de Wit H (2020). Preliminary report on the effects of a low dose of LSD on resting state amygdalar functional connectivity. *Biol Psychiatry Cogn Neurosci Neuroimaging* 5(4): 461-46. doi: 10.1016/j.bpsc.2019.12.007.

**Israel Gross, PhD** is a licensed clinical psychologist who specializes in pediatric neuropsychological assessment and evidenced-based positive parenting interventions. His clinical and research interests include the assessment and treatment of neurodevelopmental disorders, psychiatric illness in children and adolescents, and neurological/medical conditions with co-occurring neuropsychological sequelae. In addition, Dr. Gross facilitates training in Triple P (a positive parenting program) and is interested in better understanding the role of parental and child self-regulation in neurocognitive development. Dr. Gross facilitates the Pediatric Neuropsychology clinical neuroscience didactic series.



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### Selected Publications

- Gross, I. M.,** & Bodin, D. (2018). Fetal Alcohol Spectrum Disorders. In S. J. Hunter & J., Donders (Eds.), *Neuropsychological conditions across the lifespan* (79-92). Cambridge University Press.
- Gross, I. M.,** Hosek, S., Richards, M. H., & Fernandez, I. (2016). Predictors and profiles of antiretroviral therapy adherence among African-American adolescents and young adult males living with HIV. *Aids Patient Care & STDs*, 20, 324-338.
- Goldner, J., **Gross, I. M.,** & Richards, M., & Ragsdale, B., (2015). The relation of severity and type of community violence exposure to emotional distress and problem behaviors among African-American adolescents. *Violence and Victims*, 30, 432-449.
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- Kohl, K., **Gross, I. M.,** Harrison, P. & Richards, M. H. (2015). Numbing and hyperarousal as mediators of exposure to community violence and depressive symptoms in urban African-American youth. *Journal of Child & Adolescent Trauma*, 8, 33-43.

**Yangfeifei Gao, PhD** is a pediatric neuropsychologist within the section of Child and Adolescent Psychiatry. She specializes in neuropsychological assessment with a focus on co-occurrence of autism spectrum disorder in medical populations (e.g., neurofibromatosis, epilepsy, congenital heart disease) and gender diverse youth. Her research interests include examining behavioral and neural endophenotypes within heterogeneous developmental disorders using multimodal neuroimaging and data-driven analytical approaches.



### Selected Publications

- Wilkinson, M., Jao Keehn, R. J., Linke, A. C., You, Y., **Gao, Y.,** Alemu, K., Correias, A., Rosen, B. Q., Kohli, J., Wagner, L., Sridhar, A., Marinkovic, K., Müller, R.-A. (2022) fMRI BOLD and MEG theta power reflect complementary aspects of activation during lexicosemantic decision in adolescents with ASD. *Neuroimage: Reports*, 2(4). <https://doi.org/10.1016/j.nyrp.2022.100134>
- Jao Keehn, R. J., Pueschel, E. B., **Gao, Y.,** Jahedi, A., Fishman, I., Müller, R.-A. (2020). Underconnectivity between salience and visual networks is associated with symptomatology in children with autism spectrum disorders. *Journal of American Academy of Child and Adolescent Psychiatry*, 2, <http://doi.org/10.1016/j.jaac.2020.02.007>
- Gao, Y.,** Linke, A., Jao Keehn, R. J., Punyamurthula, S., Jahedi, A., Gates, K., Fishman, I., Müller, R.-A. (2019). The language network in autism: Atypical functional connectivity with default mode and visual regions. *Autism Research*, 12, 1344 -1355.
- Eill, A., Jahedi, A., **Gao, Y.,** Kholi, J. S., Fong, C. H., Solders, S., Carper, R. A., Bailey, B. A., Müller, R.-A. (2019). Functional connectivities are more informative than anatomical variables in diagnostic classification of autism. *Brain Connectivity*, 9(7). <http://doi.org/10.1089/brain.2019.0689>

Linke, A. C., Olson, L., **Gao, Y.**, Fishman, I., & Müller, R.-A. (2017). Psychotropic medication use in autism spectrum disorders may affect functional brain connectivity. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 2(6), 518-527.

## Other Faculty

In addition to the core neuropsychology faculty highlighted above, depending on elective choices the fellow may have opportunities to work with other faculty members in the Department of Psychiatry and Behavioral Neuroscience. Profiles of faculty psychologists and psychiatrists involved in training can be found in the [Psychology Internship brochure](#):

<https://psychiatry.uchicago.edu/education/clinical-psychology-doctoral-internship-program>

(A complete listing of the [Department faculty](#) can be found at <https://psychiatry.uchicago.edu/people/our-faculty>)

The Neuropsychology Program likewise has a history of strong interdepartmental collaborations, particularly with the Departments of [Neurology](#) and [Neurosurgery](#).

## Fellow Evaluation

Fellows receive ongoing feedback during the training year through the process of supervision. They receive formal written feedback at the end of the fall and spring semesters, at the 6 and 12-month time points. At these same intervals, fellows provide written evaluations of their supervisors. The trainee evaluation form is based on Profession-Wide Competencies, with special emphasis on the neuropsychology competencies. Our trainee evaluation form is developmentally anchored in terms of the competencies.

*Performance Deficiencies and Remediation.* Regarding performance deficiencies and remediation, in the event that performance deficiencies do not respond to routine supervisory feedback, a remediation plan will be developed in collaboration with the fellow, training supervisors, and the Director of the fellowship. Fellows who have not responded to or failed a remediation plan and whose performance deficits are serious enough to raise the possibility of eventual dismissal or failure to complete the program are placed on probationary status. Unlike remediation, probationary status is considered to be disciplinary action with serious consequences.

*Due Process and Grievance Policies.* The fellow is a hospital employee and therefore subject to hospital employment policies. The Due Process Policy provides a written procedure that comes into use when the program has concluded that a fellow's performance and/or behavior is problematic. It involves 1) notice to the fellow of the problem identified and how it will be addressed by the program; 2) the right to a process and if necessary a hearing in which a fellow hears of the program's concerns and is



provided a chance to respond; and 3) an appeal process if the fellow does not agree with the actions taken by the program. The program prefers to work informally and collaboratively with fellow in the first instance when possible, but provides more formal due process procedures as well. Due Process and Grievance Policies specific to the psychology training programs can be obtained by emailing the Director of Psychology Training, Dr. Shona Vas, at [svas@bsd.uchicago.edu](mailto:svas@bsd.uchicago.edu). Evaluation and Grievance procedures will be given in writing to fellows accepted into the training program.

## Non Discrimination Policy

In keeping with its long-standing traditions and policies, the University of Chicago considers students, employees, applicants for admission or employment, and those seeking access to University programs on the basis of individual merit. The University does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes under the law (including Title IX of the Education Amendments of 1972). For additional information regarding the University of Chicago's Policy on Harassment, Discrimination, and Sexual Misconduct, please see: <http://harassmentpolicy.uchicago.edu/page/policy>

## Education/Training Entry Requirements

Entry requirements include successful completion of an APA/CPA-accredited doctoral education and clinical training program with neuropsychology as major area of study or emphasis, as well as an APA/CPA-accredited internship program that includes substantial training in clinical neuropsychology. Defense of the dissertation is not required at the time of application, but all requirements for the doctoral degree must be met prior to the beginning of the fellowship. Selection criteria are based on a goodness-of-fit model. Strong candidates will have demonstrated strengths in academic preparation, clinical skills in neuropsychology and general psychology, research productivity, and personal characteristics. Applicants from underrepresented minority groups are strongly encouraged to apply.

## Fellow Benefits

The neuropsychology fellow salary is set by NIH Postdoctoral Fellows stipend levels, currently \$54,840 for first-year fellows during the 2023-24 training year, with annual increases according to NIH guidelines. Among other things, fellows also receive subsidized health (medical, dental, and vision) benefits. The fellow has a private office, a phone with voicemail, a computer, and a video camera. The fellow has access to departmental printers and copiers shared by other employees. On clinic days the fellow has access to shared training spaces such as the testing rooms and the clinic workstations.



Fellows have laboratory coats and business cards, and they receive extensive on-boarding orientation to the medical center system, policies, and training in use of the electronic health record (EPIC). Fellows have access to the world-class University of Chicago library system and opportunities for statistical consultation through the library system.

## Vacation & Leave

Postdoctoral fellows have 15 vacation days, 10 sick days, and 5 personal/professional days in addition to 8 federal Medical Center holidays (New Year's Day, Martin Luther King Jr. Day, Memorial Day, Juneteenth, July 4<sup>th</sup>, Labor Day, Thanksgiving, & Christmas). If a holiday falls on Saturday, it will be observed on the preceding Friday. If a holiday falls on Sunday, it will be observed on the following Monday. Sick days are to be used for illness, wellbeing, or care of a family member only. Professional/personal days may be used for conferences and job interviews.

## Application

Application materials should be uploaded to the UChicago portal described below, and addressed to:

Joseph Fink, Ph.D., ABPP/CN  
Associate Professor, Psychiatry and Behavioral Neuroscience  
The University of Chicago  
5841 S. Maryland Ave., MC 3077  
Chicago, IL 60637

Our **application deadline is Thursday, December 15, 2022** (11:59 EST). Rather than being sent by mail or email, **materials should be uploaded as PDF files** to our REDcap portals using these two links (i.e., one for applicant materials, and one for reference letters of recommendation):

**Applicant Portal:** Please complete your application [here](https://redcap.uchicago.edu/surveys/?s=3M799T94YCAWJYKX)  
[https://redcap.uchicago.edu/surveys/?s=3M799T94YCAWJYKX].

You will be asked to upload your **CV**, **cover letter to serve as your personal statement**, a graduate school **transcript**, and a deidentified sample **neuropsychological report** that is representative of your clinical writing skills.

**Reference Portal:** We require **three letters of recommendation** (on letterhead and signed) which can be uploaded [here](https://redcap.uchicago.edu/surveys/?s=MPFRTNLPAJ8TLY3T)  
[https://redcap.uchicago.edu/surveys/?s=MPFRTNLPAJ8TLY3T].



AT THE FOREFRONT  
**UChicago**  
**Medicine**

Department of Psychiatry & Behavioral Neuroscience



If you are on internship and your internship Training Director (TD) is not one of your letter writers, we require a separate letter from your Internship Training Director indicating that you are on track to complete the internship program. If your TD is one of your existing references, this issue may be addressed in the recommendation letter.

Our program will conduct virtual-only interviews with a select group of applicants, which will be scheduled with selected applicants after the application deadline, following faculty review of the applicant pool. The program is part of the APPCN Resident Matching Program administered by the National Matching Services, Inc. and will follow its published schedule of deadlines and notification dates ([www.appcn.org](http://www.appcn.org)). The start date is on or about July 1, 2023, although in special circumstances a later start date may be arranged as necessary.

#### National Matching Services

Residency Site:	University of Chicago (9981)
Description:	Clinical Neuropsychology
Positions:	1



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