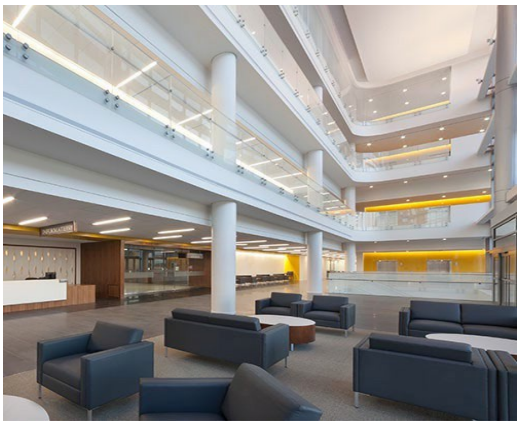
Clinical Neuropsychology Residency Program Brochure 2027-2029

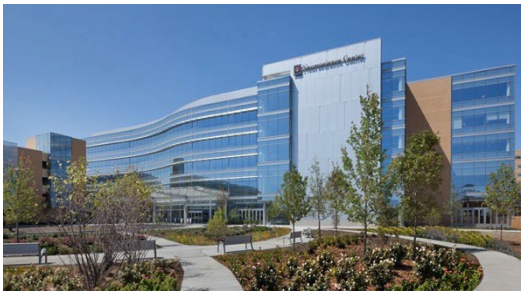


INDIANA UNIVERSITY
SCHOOL OF MEDICINE

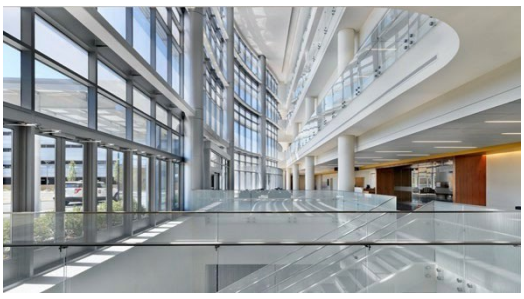
Departments of Psychiatry and Neurology

Postdoctoral Residency in Adult Neuropsychology









The postdoctoral residency (fellowship) in adult neuropsychology at Indiana University School of Medicine is designed to meet the training guidelines set by the Houston/Minnesota Conferences for postdoctoral specialization in clinical neuropsychology.

The neuropsychology service is located in the IU Health Neuroscience Center with pediatric and adult faculty, appointed across Departments of Neurology and Psychiatry. The residency was founded in 1997 and has been affiliated with Association of Postdoctoral Programs in Clinical Neuropsychology (APPCN) since 2005. The residency houses pediatric and adult tracks, with residents sharing workspace areas, attending neuropsychology didactics together, and jointly participating in the program's professional development and cultural competency series.

Within the adult track, residents gain experience, knowledge, and skill in diagnosing and treating patients with a wide range of brain disorders. This is accomplished through clinical activities and organized didactics that are directed by and originate within the residency program. Graduating residents are well prepared for independent practice in clinical neuropsychology and are ready to pursue board certification by the American Board of Clinical Neuropsychology (ABCN) within the American Board of Professional Psychology (ABPP).

Program Structure

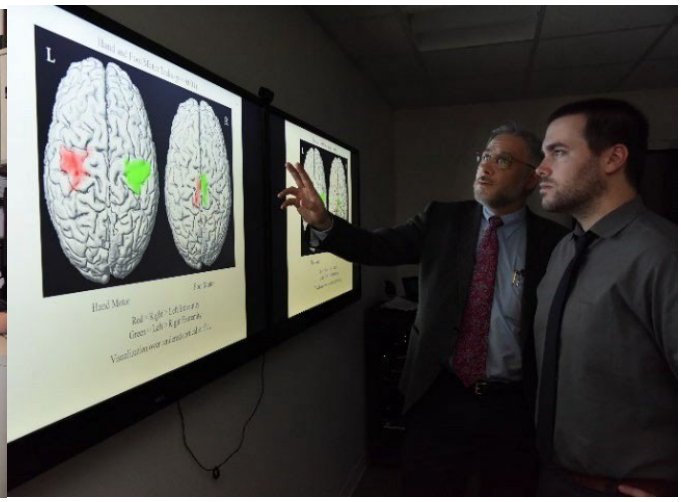
Approximately 70% of the resident's time is spent in clinical activities and 30% in didactics and supervision.

Altogether there are 4 adult track residents: 2 in the Department in Psychiatry and 2 in the Department of Neurology, Psychiatry and Neurology each take a resident every year. There are minimal differences in resident experience between the two departments. The majority of clinical work is outpatient diagnostic consultations. Experience also includes medicolegal work in Year 2.

Residents will learn to conduct brief focused exams as well as comprehensive exams, with increasing autonomy in interviewing, test selection, write-up, and feedback with increasing experience.

In addition to delivering patient care, residents participate in a variety of seminars and didactic experiences, provide clinical teaching and supervision to junior trainees, and engage in scholarly activity.





Clinical Experiences

Outpatient Consultations

Residents see 3-5 patients per week for consultation in conjunction with faculty members. Patients span the spectrum of brain dysfunction including neurodegenerative disease, stroke, epilepsy, traumatic brain injury, demyelination, cancer, occupational exposures, and infections. Main referral sources include Neurology, Psychiatry, Neurosurgery, and Primary Care (in-house and external referrals). A smaller subset of patients are referred for pre-surgical evaluations (DBS and epilepsy).

Residents perform brief screenings, focused exams, and comprehensive examinations. Evaluations are frequently conducted in a "same day" model with history, exam, supervision, and feedback of results to patient and family completed in the same day.



The majority of testing is performed by professional technicians and graduate student trainees. Residents are expected to maintain competency in testing through some direct assessment.

Residents participate in multidisciplinary meetings for patients under consideration for epilepsy surgery or deep brain stimulation for Parkinson's disease. This includes presenting neuropsychological findings to neurology and neurosurgery faculty.



Didactics

Neuropsychology Didactics

Neuropsychology Seminar

The goal of the weekly neuropsychology seminar is to prepare residents for independent practice and ABPP board certification in clinical neuropsychology. Residents in the pediatric and adult track participate in neuropsychology seminar, which covers topics across the lifespan and consists of core lectures, guest speakers and specialized lectures, and fact-finding in the style of ABPP board certification.

Core Lecture Series

There are 13 core lectures delivered by the Neuropsychology faculty in the first 6 months of every year. The series is designed to cover all the major adult and pediatric neurobehavioral syndromes and major neurologic, psychiatric, and medical disorders. It includes specific instruction in functional neuroanatomy, classic neuropsychological syndromes, neuropsychological assessment, and medical, neurologic, and radiologic work-up and diagnostics.

Seminars

There are an additional 25-30 lectures delivered by invited speakers from a number of disciplines including neurology, psychiatry, radiology, medicine, forensic psychiatry, social work, and industry.

Fact-finding

Each resident participates in 6 fact finding cases during their 2-year residency in which a faculty member serves in the role of ABCN examiner on clinical cases. The resident elicits history, behavioral observations, and test scores and offers a differential diagnosis of the neurobehavioral syndromes and suggestions for management.



Professional Development Series

Each month, adult and pediatric residents meet with faculty to discuss a range of professional development topics, including ethics, the ABPP/ABCN board certification process, clinical supervision, job search and negotiation strategies, and healthy work-life balance.

Cultural Competency Series

This monthly seminar includes discussion of readings relevant to the practice of culturally competent neuropsychology. It features speakers with expertise on topics such as developing cultural awareness for practice in Indiana, gender health in psychological assessment, intersectionality in psychology, and increasing healthcare equity in neuropsychology.

IU School of Medicine & IU Health Neuroscience Center Didactics

The IU School of Medicine and the IU Health Neuroscience Center host a number of educational activities that address cutting-edge issues in neurology, psychiatry, and neuroscience. These include but are not limited to:

Grand Rounds

Grand rounds are held weekly by the Department of Psychiatry and (separately) by the Department of Neurology.

Clinico-pathologic Case Conference

Conducted under the auspices of the Indiana Alzheimer Disease Research Center, an NIA-funded research center for over 25 years. Neuropsychology residents present longitudinal neuropsychological examination results alongside neurologists presenting the clinical history, neurologic exam, diagnostic work-up, and clinical diagnoses of a well-characterized research participant who has died. The neuropathologists then present results from brain autopsy including gross and histopathologic findings and pathologic diagnoses.

Medical Neuroscience Course Wet Lab

Neuropsychology residents participate in neuroanatomy lab sessions twice a year alongside medical students and medical residents.

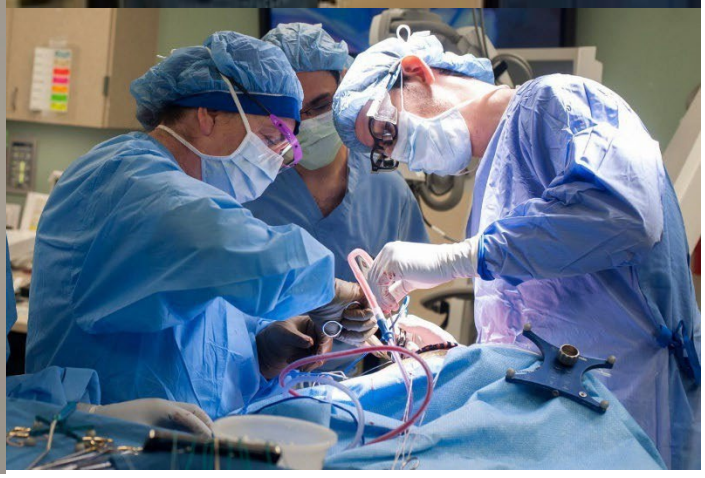
Singleton Learning Experiences

- Observe fMRI language lateralization for patients with intractable epilepsy.
- Observe neurosurgery (e.g., DBS implantation)
- Shadow a neurologist in an outpatient clinic

Online Trainings

- Digital Neuroanatomist – University of Washington
- Clinical Dementia Rating (CDR) training and certification – University of Washington



Scholarship

In accordance with their APPCN and ABCN guidelines, residents are expected to demonstrate scholarship during their residency. This can be accomplished in a variety of ways including:

- co-authoring a peer-reviewed paper with a faculty member
- Presenting at INS, AACN, or NAN
- Performing a literature review and presenting findings at our seminar series, departmental grand rounds, or the Indiana Psychological Association
- Lecture to community group (e.g., Parkinson's Foundation, IADRC Martin Caregiver Symposium)

Faculty research areas include:

- Healthcare and financial decision making in aging
- Measuring behavioral and language markers of real-world mindfulness in older adults
- Cognitive interventions for older adults with and without cognitive decline
- Archival clinical neuropsychological data – data on over 600 patients
- Ongoing research at the Indiana Alcohol Research Center
- Ongoing research at the Indiana Alzheimer Disease Research Center (IADRC)



Diversity & Inclusion

The goal of the adult neuropsychology residency is that all residents feel included, and that diversity is valued. Our program focuses on providing continued training in culturally competent care and developing and maintaining an inclusive environment for patients, families, trainees, staff, and faculty.



Supervision

Training follows the apprenticeship model, with residents assuming greater clinical autonomy as experience increases. Early on, the resident observes faculty conducting evaluations. As competence progresses, the resident leads the interview and staffs the case with faculty. The faculty member offers input as needed, and the evaluation continues under the direction of the resident. The resident drafts a report, which is finalized with supervision. The faculty member observes the residents' feedback to the patient, family, and referral source.

Daniel F. Rexroth, PsyD, is Associate Professor of Clinical Psychiatry and Neurology at Indiana University School of Medicine where he serves as the Director of the Neuropsychology Clinic in the Department of Psychiatry and Director of the Clinical Neuropsychology Residency. He attended Wheaton College for his bachelor's, earned his master's degree in Marriage and Family Therapy at Butler University, and completed his PsyD at the University of Indianapolis. He maintains a very active clinic schedule and also works extensively in legal work/independent medical examinations (mainly TBI); he is also a consultant in neuropsychology for two outside clinics. Dr. Rexroth has worked as a co-investigator for dozens of industry sponsored medication studies (mainly for dementia), conducting semi-structured interviews with patients and their caregivers. Outside of work, he enjoys spending time with his wife and two daughters. Finally, it is well known hat Dr. Rexroth is the glue that holds neuropsychology at IU together and that it would have fallen apart years ago without his humor and leadership.



Christopher Stewart, PhD, ABPP, is Associate Professor of Clinical Neurology. He was born and raised in Elgin, IL, a northwest suburb of Chicago. He attended the University of Illinois at Urbana-Champaign for undergrad and obtained his PhD in Medical/Clinical Psychology at the University of Alabama at Birmingham (UAB). He completed his fellowship in adult neuropsychology at the Medical College of Wisconsin. Board certified in clinical neuropsychology, he maintains an active clinic schedule and considers himself lucky to have a hand in training the next generation of neuropsychologists. His research interests include aging, cognition, healthcare and financial decision making. He also reviews practice samples for the *American Board of Clinical Neuropsychology* and serves on the National Academy of Neuropsychology's Clinical Research Grants committee. Much of his free time is spent rooting for his favorite Chicago sports teams (Bears and Bulls), nearly always to no avail.



David A. Kareken, PhD, ABPP, received his PhD in Clinical Psychology from Hahnemann University in Philadelphia, PA in 1992, where he also did his clinical internship. He subsequently completed a research fellowship (T32, NIMH) in the Department of Psychiatry at the University of Pennsylvania in the areas of neuroimaging and schizophrenia. He has been a faculty member in Neurology and Director of its Neuropsychology Section since 1997 and now serves as the department's Vice Chair for Research. Dr. Kareken is also the director of the Indiana Alcohol Research Center (2P60AA007611), which has been funded by NIAAA for over 30 years across three different directors. Dr. Kareken's research laboratory uses functional neuroimaging to understand the human brain's reward system as it relates to alcohol use disorders, natural rewards (food) and other drugs of abuse. The lab's work is targeted toward understanding the brain and genetic vulnerabilities that predispose individuals to alcoholism and obesity. His research has been funded by the National Institute of Alcohol Abuse and Alcoholism (NIAAA) since 2000. Dr. Kareken is jointly appointed in the Departments of Psychiatry and Radiology & Imaging sciences. He serves on the editorial board of the journal, *Brain Imaging and Behavior*.





Ty Owens, PhD, ABPP, is Assistant Professor of Clinical Neurology and joined the faculty in at IU School of Medicine in 2020. He obtained his PhD in Clinical Psychology from the University of Kansas in Lawrence, KS, and interned at the VA Portland Health Care System in Portland, OR. He completed his neuropsychology fellowship at Mayo Clinic in Rochester, MN. He is board certified in clinical neuropsychology and has interests in dementia and medically complicated presentations. Despite spending much of his life out west, he has found himself drawn back out to the less mountainous part of North America. When not being a neuropsychologist, he spends time with his partner, Michele, bikes on the many nearby trails and enjoys the various food and drinks Indianapolis has to offer.



Dustin Hammers, **PhD, ABPP(CN)**, is a board-certified clinical neuropsychologist and Associate Professor in the Department of Neurology at Indiana University (IU). Joining the Department in 2021, he was previously faculty at the University of Utah starting in 2011. Dr. Hammers is the primarily neuropsychologist involved in the NIA-funded *Longitudinal Early-Onset Alzheimer's Disease Study* (LEADS), and he is currently the Principal Investigator on the NIA- and Alzheimer's Association- funded study *Lifestyle Interventions for the Treatment of Early-Onset AD Study* (LITES). His research has emphasized the evaluation of diagnostic consistency between cognitive and advanced AD biomarkers (β-amyloid and tau) in an effort to improve diagnostic accuracy. Additional areas of interest have included examining the assessment of cognitive change over time, tele-neuropsychology, and the detection of early memory decline in elderly and dementia populations through computerized batteries and novel learning measures. He currently serves as Associate Editor of *Developmental Neuropsychology* and Grand Rounds Editor of *The Clinical Neuropsychologist* and has been the Guest Editor for a special issue from the *Journal of Clinical and Experimental Neuropsychology*. In addition to being the lead neuropsychologist for the multi-center NIA-funded *Anti-NMDA Receptor Encephalitis ExTINGUISH* trial, he is the past Chair of the American Psychological Association's (APA) Committee on Rural Health and is currently a Liaison for the Public Interest Advisory Committee, APA Society for Clinical Neuropsychology.

Shannon Harris, PsyD, is an Assistant Professor of Clinical Neurology and joined IU School of Medicine faculty in 2024. A native Hoosier, she earned her bachelor's in psychology from Butler University and went on to earn her PsyD from the University of Indianapolis. She left the great state of Indiana just for a year to intern at the North Texas VA Healthcare System in Dallas, TX, and then returned home to complete her neuropsychology fellowship at Indiana University School of Medicine. Her clinical/research interests include Alzheimer's disease, movement disorders, and neuropsychiatric symptoms associated with these and other neurodegenerative conditions. In her free time, she enjoys exploring Indianapolis restaurants, reading a good thriller book, and cheering on the Indianapolis Colts.



Amelia (Aimi) Nelson Sheese, PhD, will join the Department of Neurology at IU in February, 2027 as Professor of Clinical Neurology. She completed her PhD in Clinical Psychology at the University of Tulsa, internship at the Albuquerque VAMC, and fellowship at the Milwaukee VAMC. She was at the University of Nebraska Medical Center for 11 years before moving to the University of Colorado School of Medicine in 2024. She is excited to soon join IU and relocate to Indiana to live near family. She is board certified in clinical neuropsychology, and her primary clinical and research interests are in memory and movement disorders. She enjoys training/supervision and teaching neuropsychology and medical students and residents. She is also invested in service and leadership in the field of neuropsychology, serving on various local and national committees, and she currently serves as the secretary for the Association of Postdoctoral Programs in Clinical Neuropsychology (APPCN) and as Board of Directors member for the American Academy of Clinical Neuropsychology (AACN). In her free time, she enjoys hiking, reading, baking, and enjoying coffee from her husband's roastery, Archetype Coffee, in Omaha.



Salary and Benefits

Salary is $63,480 for the first year and $63,900 for the second year.

Benefits are offered at no cost to residents and include:

- Family health insurance
- Vision and dental insurance
- Life insurance
- Disability insurance
- Malpractice insurance
- **Campus parking** is provided at no extra cost.

Paid Time Off (PTO) is 20 days for first and second year. These are in addition to the 10 standard IU holidays, https://hr.iu.edu/relations/holidays.html.
*The Neuropsychology Residency **does not** recognize the IU Campus Floating Holiday which occurs after March 1st each year and Winter Break.

Professional funds are available to offset conference attendance.

Applications

Preferred applicants are doctoral candidates in an APA-accredited graduate program in clinical or counseling psychology and in an APA-accredited internship.

Applicants must participate in the APPCN-affiliated National Matching Service.

Interested applicants should submit their materials via email to Angie Seibers, Program Coordinator, Neurpsyc@iu.edu, by December 15th.

- Cover letter
- CV
- 3 letters of recommendation
- Graduate transcript (copies issued to students are acceptable)

Applicants will be contacted in January after the initial screening of applications. Interviews will be held by videoconferencing and take place mid-to-late January.



Indianapolis

Affectionately referred to as the “Crossroads of America,” Indianapolis combines the metropolitan perks of city life with the accessibility (and affordability!) of Midwest America. Whether you are seeking excitement, culture, or commerce, Indy truly has it all.

Sports

Indianapolis has nearly every major sport covered between the Colts, Pacers, WNBA Fever, and world-famous Indy 500, along with minor league baseball and professional soccer.



INDIANA UNIVERSITY
SCHOOL OF MEDICINE

Walkability

You can walk, run, or bike the Cultural Trail (https://indyculturaltrail.org/) that encircles and sprawls through every major section of downtown, before slowing to enjoy the scenic Canal Walk in the heart of downtown or checking out the gold mine of wine and dine that is Mass Ave (https://www.visitindy.com/indianapolis-mass-ave-arts-district) or historic Fountain Square (https://www.discoverfountainsquare.com/). Head out of the city towards the lively northern suburbs on the 26-mile Monon Trail – a converted railway track – and stop any one of the many restaurants, breweries, and shops along the way (https://www.traillink.com/trail/monon-trail/).



Things to do in Indy

Sports and exercise – Indy has several fantastic YMCAs (check out Irsay Family YMCA), yoga studios, rock climbing centers, golf courses, cross-fit gyms, etc. Or go for a bike ride, jog, or walk along one of the many trails systems within and outside the city.

Arts and Culture – There are several museums, galleries, and arts centers in Indy. Visit Eiteljorg Museum of American Indians and Western Art (https://eiteljorg.org/) or the NCAA Hall of Champions. Take in a show with the Indiana Repertory Theater company or the Indianapolis Symphony Orchestra, located in the heart of downtown Indianapolis on Monument Circle. Newfields "a place for nature and the arts" has one of the best winter lights festivals around or immerse yourself in one of the many rotating art exhibits (https://discovernewfields.org/).

Things for the kids (and kids at heart) – Check out the world's largest children's museum (https://www.childrensmuseum.org/), our nationally-ranked zoo (and botanical garden!), Action & Atomic Duckpin Bowling in Fountain Square (the only duck pin bowling alley

in the mid-west!), Broad Ripple rubber duck race, Rhythm Discovery Center, Connor Prairie – a living history museum, Speedway Indoor Karting, Indianapolis Art Center, Kid City at Greenwood Community Center (2-story play zone), Sky Zone trampoline park, and the water park at Monon Community Center.

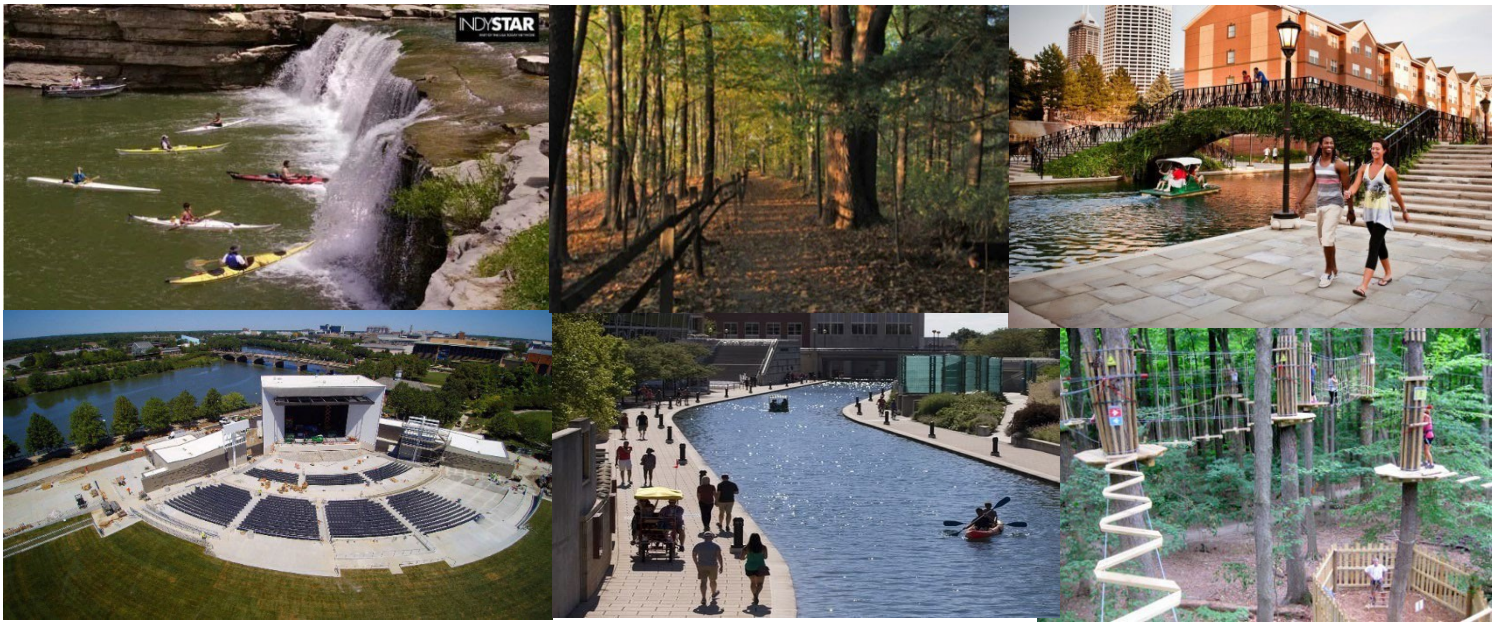




Eating and drinking. Indy has a thriving food and drink scene. Regardless of what you're in the mood for – Indy has it. **Restaurant highlights**: Blue Beard, Brasserie, Milktooth, St. Elmo's, Three Carrots, Pure Eatery, Love Handle, Tinker Street, Festiva, Saigon Square, Livery, The Garage Food Hall, The Eagle, Fountain Square Burrito, Yat's Delicatessen, King Dough, Axum Ethiopian Restaurant. **Café highlights**: Amelia's Bakery, Leviathan Bakery, Calvin Fletcher, Amberson Coffee, Neidhammer, Kaffeine Coffee Co., Blue Collar Coffee. **Breweries/Distilleries**: You can't go a quarter of a mile anywhere in the city without hitting a fantastic brewery (Indiana City, Metazoa, Center Point, Sun King, Upland, St. Joseph's, Black Acre Brewing, Guggman Haus, Garfield Brewing, New Day Craft (mead and cider)) or distillery (West Fork Whiskey Co, 1205, Hotel Tango, 8th Day)

Outdoors. Leave the car at home and hop on the Cultural Trail, which makes it easy to get anywhere in the city by bike or foot. The Canal Walk – which starts at the White River State Park and heads north – is another easy way to get outside. Take a stroll along the canal, a gondola ride (complete with gondolier!), or rent one of the paddle boats. White River State Park is a beautiful green space great for picnics or rent one of their 2-4 person bikes to take around the park or canal. This park also has a large outdoor concert venue. If hiking through the woods and kayaking are more your style, head slightly northwest to Eagle Creek Park

(https://eaglecreekpark.org/). This park is one of the largest municipal parks in the United States and features a large lake, fishing area, bird conservatory/nature reserve, kayak rentals, boating areas, and 10 miles of trails. If getting out of the city is a priority check out Turkey Run State Park, Clifty Falls, or Brown County State Park.



Indy Neighborhoods

Indy has several great (and affordable!) neighborhoods right downtown (i.e., under 10 min drive to the Neurosciences building). **Historic Fletcher Place/Fountain Square** is in the southeast corner of the city and is known for its artsy vibe. It has great restaurants, a solid brewery and distillery scene, and unique, one-of-a-kind shops. **Mass Ave** is right in the heart of downtown and is a center for night life, restaurants, shops, and concerts (Murat). The Bottleworks District (https://www.bottleworksdistrict.com/), a brand-new revitalization of the Coca Cola bottling factory, at the north end of Mass Ave is a "fusion of past and present in the heart of historic neighborhoods, robust arts, industrial architecture & good spots galore." **Windsor Park/Cottage Home/Woodruff Place** are small charming, historic neighborhoods at the northeast corner of the city. Windsor Park boasts a brand-new independent theater (the Kan Kan) as well as new restaurants (Brasserie!), shops, and cafes/bakeries. Check out Circle City Industrial Complex just down the road for a budding art, food, and drink scene (and farmer's market when

in season). Whatever you're looking for in terms of neighborhoods and community – Indy has it!

Surrounding Neighborhoods

If downtown living isn't for you, Indy is surrounded by great communities and suburbs. Many of our faculty and residents live north in Carmel, Zionsville, and Broad Ripple, which are within a 30-minute drive to the Neurosciences building and their own thriving communities. These communities are particularly great for families and have excellent school systems, family friendly spaces, and frequent community events (e.g., farmers markets, winter festivals, outdoor concerts).





Travel

Indy's international airport is large enough to get your where you need to go without the hassle of a large-city airport. It's quick and easy to navigate and is within a 20-minute drive of downtown.

Indy really is the crossroads of America, which makes day trips and short weekend trips possible to lots of great destinations. Visit Michigan City, IN for a beautiful beach day on Lake Michigan or the Warren Dunes in southern Michigan for beach time, adventure, and camping. South of Indianapolis, there are several state parks with great hiking and camping (check out Clifty Falls or Brown County State Park). Or head out of state to St. Louis, MO, Columbus, OH, Nashville, TN, Louisville, KY, and Chicago, IL, all within a 4.5-hour drive!

For more information and for an insider's perspective on living in Indy visit: https://www.visitindy.com/indianapolis-indy-like-a-local.