



Neuroscience
Center

Goodman Hall



INDIANA UNIVERSITY
SCHOOL OF MEDICINE

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 Conference 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 Neuropsychology 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).



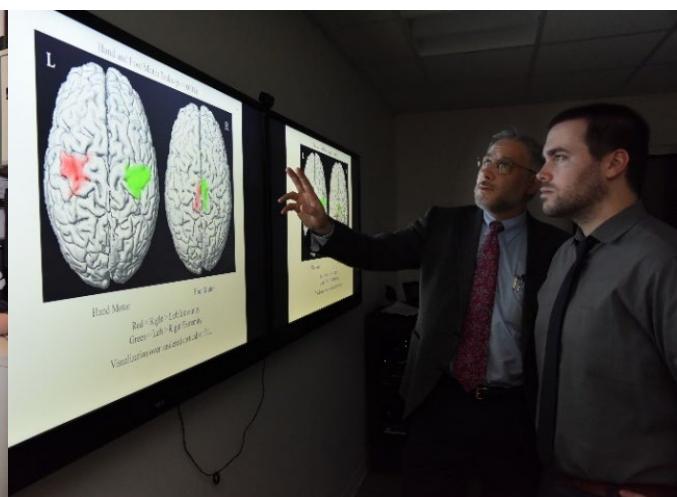
Program Structure

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 Psychiatry and 2 in 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 interview, 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.

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 lifespan neuropsychology seminar, which consists of core lectures, guest speakers and specialized lectures, and fact-finding in the style of ABPP board certification.

Core Lecture Series

There are 12 core lectures delivered by the Neuropsychology faculty in the first 3 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 24 lectures delivered by invited speakers from a number of disciplines including neurology, psychiatry, radiology, medicine, forensic psychiatry, social work, and industry.

Fact-finding cases. 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 case. The resident elicits the history, behavioral observations, and test scores and offers a differential diagnosis of the neurobehavioral syndromes and suggestions for management.



Professional Development Series

Residents across pediatric and adult tracks participate in the program's Professional Development Series. This series includes monthly didactics on professional development topics. The series also includes formal supervision readings, and group supervision for second-year residents who are actively engaging in vertical supervision of interns and practicum students.

Sample Professional Development Series Topics

Making the Most of Residency	Board Certification
Job Search, Interview, Negotiation	Promotion & Networking
Medicolegal Work	Private Practice
Supervision I, II, & III	Ethics I & II

Cultural Competency Series

Training in our program includes a monthly Cultural Competence Seminar. This seminar includes discussion of readings relevant to the practice of culturally competent neuropsychology and 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. If a resident has clinical or research interest in a particular population, there are also opportunities to shape the resident's clinical work, didactic involvement, and research to focus on that population.

IU School of Medicine & IU Neuroscience Center

Didactics

These didactics are organized by the School of Medicine and IU Neuroscience Center and cover a variety of medical conditions, clinical issues, and new developments in the fields of neurology, psychiatry, and neuroscience.

Grand Rounds

Weekly Neurology and Psychiatry Grand Rounds.

Clinico-pathologic Case Conferences

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.

Neuropathologists present results from brain autopsy including gross and histopathologic findings and pathologic diagnoses.

Medical Neuroscience Course Wet Lab

Neuroanatomy lab conducted with medical students and residents. Two sessions occur each year.

Additional Experiential Learning Offerings

brain cuttings
one-off exposures to fMRI for epilepsy surgery
neurosurgical procedure (e.g., DBS surgery)
shadow an outpatient neurology clinic
shadow pediatric neuropsychology (for adult residents)
shadow adult neuropsychology (for pediatric residents)

Online trainings

- Digital Neuroanatomist - University of Washington (<http://da.si.washington.edu/da.html>): brain surface, 14 modules; brain dissections, 18 modules; coronal forebrain, 20 modules; horizontal forebrain, 14 modules; MRI coronal forebrain, 20 modules; MRI horizontal forebrain, 30 modules; MRI sagittal forebrain, 24 modules
- Online CDR training and certification (<https://knightadrc.wustl.edu/cdr/cdr.htm>)



Scholarship

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

- co-authoring a peer-reviewed paper with a faculty member
- INS, AACN, or NAN abstract submission
- Literature review and scholarly presentation to the seminar series, departmental grand rounds, or 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)





Program Evaluation

Resident feedback about the program is encouraged informally (e.g., discussions during supervision) and formally. Formal feedback includes:

Annual Program Review

Residents meet for one afternoon near the end of the academic year to discuss the strengths and areas of growth of the program and draft a document for faculty review. Faculty then outline a course of action for the upcoming year and share with the residents

Supervisor Review

Residents complete anonymous reviews of supervisors at 6, 18, and 24 months.



Diversity & Inclusion

At IU School of Medicine, the commitment to diversity includes race, ethnicity, gender and gender identity, religion, socio-economic status, age, geography of origin and residence, sexual orientation, disability, work style and other aspects of human attributes and behaviors.

The goal of the adult and pediatric neuropsychology residency is that all residents feel included and that diversity is valued. The Committee for Diversity, Equity, and Inclusion in clinical neuropsychology focuses on providing continued training in culturally competent care and developing and maintaining an inclusive environment for patients, families, trainees, staff, and faculty. Participation in this committee is open to residents.

The residency adheres to the nondiscrimination policies of Indiana University and does not engage in discrimination based on age, color, disability, ethnicity, gender, marital status, national origin, race, religion, or sexual orientation. Training facilities are ADA compliant. If a resident is in need of additional resources, the program works to access additional resources.

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 resident's 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 that 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-ABCN, 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, and 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.



Fred Unverzagt, PhD, ABPP-ABCN, is Professor of Psychiatry at Indiana University School of Medicine. He completed his PhD in Clinical Psychology at Southern Illinois University, internship at Milwaukee County Mental Health Complex, and residency (clinical neuropsychology) at Medical College of Wisconsin. His research is focused on MCI and dementia and includes cross-national studies of risk factors and clinical trials of treatments. He is PI or Co-I on several NIH grants currently, has over 180 peer-reviewed publications, serves on the editorial board of *Journal of the International Neuropsychological Society* and *Current Alzheimer Research*, and is reviewer for 29 other journals including *Neurology*, *JAMA*, *Lancet*, and *BMJ*. He served as President of the *Indiana Psychological Association*, Treasurer for the *American Board of Clinical Neuropsychology*, and board member for the *Association of Post-doctoral Programs in Clinical Neuropsychology*. He is a fellow of the *American Psychological Association* (Division 40) and the *National Academy of Neuropsychology* and recipient of the Indiana University Trustee Teaching Award, the Gordon A. Barrows Award for Distinguished Contributions to Psychology in Indiana (Indiana Psychological Association), Janet E. Rafferty Scientist-Practitioner Award (Southern Illinois University at Carbondale), and Distinguished Alumni Award for Career Achievement (Southern Illinois University at Carbondale).



David A. Kareken, PhD, ABPP-ABCN, 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-ABCN, 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.



Angelina Polsinelli, PhD, is an Assistant Professor of Clinical Neurology and joined IU School of Medicine in 2020. She completed her PhD at the University of Arizona, residency at Vancouver Coastal Health, and fellowship at Mayo Clinic, Rochester. Her clinical and research interests are in neurodegenerative diseases and interventions for improving cognitive functioning. She also dabbles in novel methodologies for measuring cognition and behavior in daily life. She is Co-I and Co-PI on a few NIA, AA, and DoD grants, including the Longitudinal Early Onset Alzheimer's Disease Study (LEADS). She currently serves as Practicum Director and thoroughly enjoys the opportunity to mentor trainees of all levels. Originally from Toronto, Canada, she has successfully transitioned from Hoser to Hoosier with the help of her fantastic colleagues who have shown her some of the best (food-related) parts of Indy! Her plants and two terrible cats keep her busy when not in the office.



Salary and Benefits

Salary is \$ 54,480 for the first year and \$55,224 for the second year.

Benefits are offered at no cost to the resident and include:

- Family health insurance
- Vision, dental, and life insurance
- Disability insurance
- Malpractice insurance

Campus parking is provided at no extra cost.

Paid Time Off (PTO) is 15 days (+ 3 professional development days) in the first year, and 20 days (+ 5 professional development days) in the second year. These are in addition to the 9 standard IU holidays.

Professional fund: Funds provided for professional development (e.g., EPPP) and to cover travel and registration costs for conference presentation.

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 Dr. Daniel Rexroth (drexroth@iupui.edu), by December 15, 2022.

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

Interviews typically occur prior to and during the February International Neuropsychological Society annual meeting. However, **ALL** interviews will be conducted virtually this year, likely in January 2023.



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.



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.trailink.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

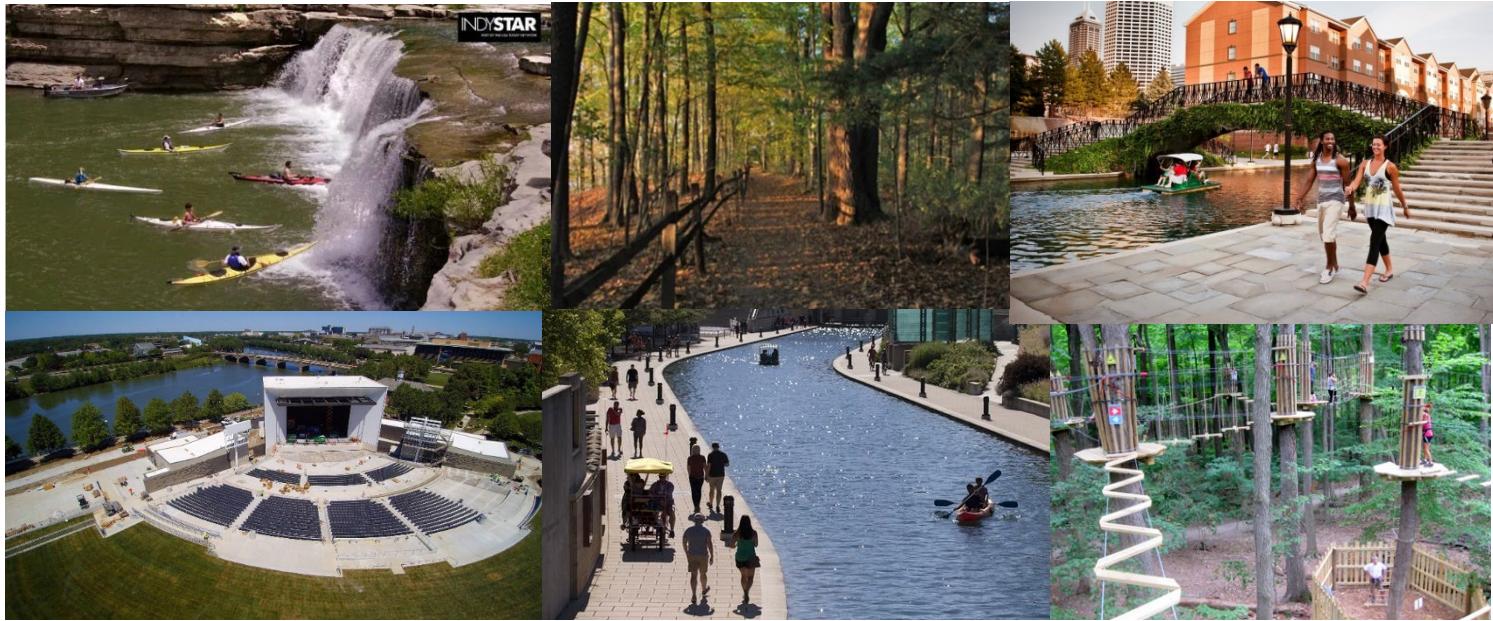
duck pin bowling alley in the mid-west!), Broad Ripple rubber duck race, Rhythm Discovery Center, Connor Prairie – a living history museum, Speedway Indoor Karting, Indianapolis Art Center, Kid City at Greenwood Community Center (2-story play zone), Sky Zone trampoline park, and the water park at Monon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



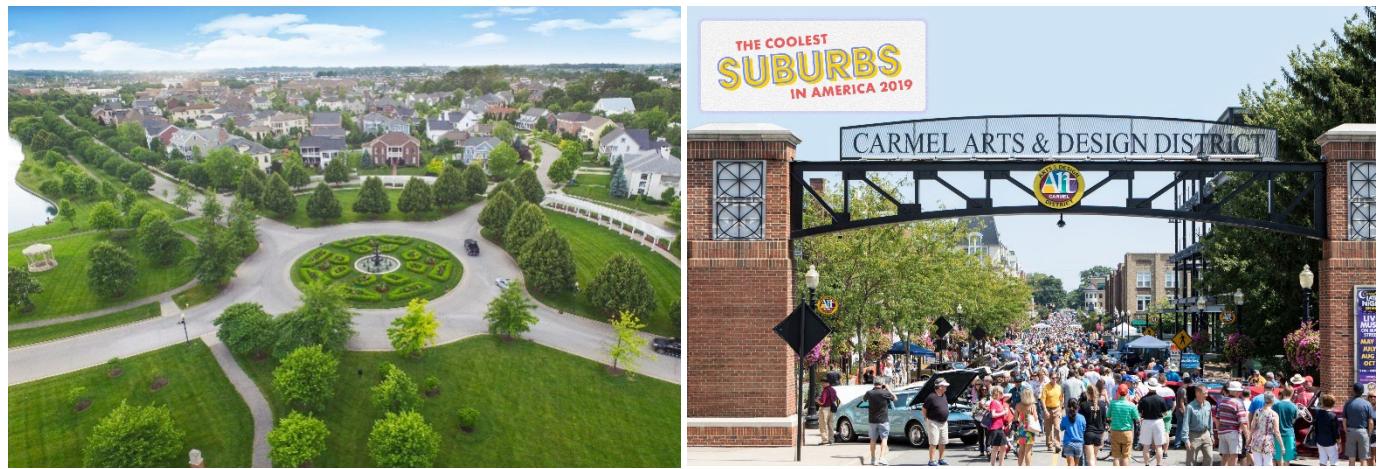
Indy Neighborhoods

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 have 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 you 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://faculty.medicine.iu.edu/relocation>

<https://www.visitindy.com/indianapolis-indy-like-a-local>