

Appendix 19.**Severe Mental Illness/Psychiatric Rehabilitation Emphasis Area at IUPUI.**

Psychiatric rehabilitation is the science and practice of helping people with severe mental illness (SMI) recover a life of meaning in the community. We focus on those whose functioning has been impaired by mental illnesses such as schizophrenia, bipolar disorder, major depression, etc. As researchers, we are interested in a range of processes that can help recovery, from understanding issues of risk, early identification, and mechanisms of action to developing, evaluating, and implementing interventions that effectively promote and support recovery. Psychologists in this area collaborate with other healthcare researchers and practitioners, including physicians, nurses, social workers, and others. Students with training in SMI/Psychiatric rehabilitation will be prepared to enter the field as researchers, practitioners, and/or administrators in a variety of settings, including universities, medical schools, hospitals and medical centers, clinics, private practice, and government agencies.

The SMI/Psychiatric rehabilitation emphasis area at IUPUI is completed in conjunction with the requirements of our APA-accredited clinical psychology program. The Department of Psychology is housed in the School of Science, and our training is based on the Clinical Science Model (i.e., emphasis on training students to conduct scientific research). Faculty members within the Department of Psychology and in other units across campus provide mentoring, instruction, and supervision. We provide core course work in our department, and additional related coursework is available through the Departments of Public Health, Sociology and the Schools of Medicine, Nursing, Social Work, and Law. The Department of Psychology provides financial support for Ph.D. students throughout their graduate education. We make the commitment to support students in good standing for five years.

SMI/Psychiatric Rehabilitation Setting at IUPUI. IUPUI is the designated health and life sciences campus for the state of Indiana, and it houses the state's graduate training in the health professions, such as the Schools of Medicine (Indiana's oldest medical school and the nation's largest student body), Nursing, Dentistry, Public Health, and Social Work. Numerous healthcare facilities are located on and near campus and provide copious research and clinical training opportunities for our students. On-campus healthcare resources, many of which relate to SMI/Psychiatric rehabilitation, include:

Indiana Clinical and Translational Sciences Institute (CTSI; www.indianactsi.org): The Indiana CTSI is a statewide collaboration of Indiana University, Purdue University, and the University of Notre Dame, as well as public and private partnerships, which facilitates the translation of scientific discoveries in the laboratory into clinical trials and new patient treatments in Indiana and beyond. Established in 2008, the Indiana CTSI was created with a \$25 million Clinical and Translational Science Award from the National Center for Research Resources of the National Institutes of Health, supplemented by nearly \$60 million from the state, the three member universities, and public and private partnerships. The Indiana CTSI is a member of a national network of 55 CTSA-funded organizations across the United States.

Indiana University Hospital (<http://iuhealth.org>): IU Hospital is a major teaching hospital and recognized leader in technology. It offers treatments, therapies, and procedures that are found only in the most advanced academic medical centers. Several of IU Hospital's clinical programs are consistently ranked among the best in the nation by *U.S. News & World Report*.

Indiana University Melvin and Bren Simon Cancer Center (<http://www.cancer.iu.edu>): The IU Simon Cancer Center is a patient care, research, and educational organization within the Indiana University School of Medicine. Established in 1992 as the IU Cancer Center, it has been an NCI-designated Cancer Center since 1999 and is the only center with such distinction in Indiana that provides patient care.

Indiana University School of Medicine, Section of Adolescent Medicine (SOAM) (<http://pediatrics.iu.edu/sections-and-faculty/adolescent-medicine/about-us/>): The SOAM faculty has internationally recognized expertise in adolescent health behavior research, including a focus on problem behaviors such as violence, sexually transmitted infections, and drug use. As one of the largest and most active academically-oriented adolescent medicine sections of its kind in the country, the SOAM also provides clinical services to roughly 20,000 adolescents in outpatient and inpatient care within Marion County, Indiana. Additionally, the SOAM has provided care at the Marion County Detention Center since 2008.

Riley Hospital for Children at Indiana University (<https://www.rileychildrens.org>): Riley Hospital provides comprehensive, state-of-the-art clinical services for children and is routinely ranked as one of the nation's top children's hospitals by *U.S. News & World Report*. Riley Hospital trains clinicians who provide healthcare to children and conducts cutting-edge research to improve the diagnosis and treatment of serious disorders in children.

Eskenazi Health and Eskenazi Hospital (<http://www.eskenazihealth.edu>): Eskenazi Health is one of America's five largest safety net health systems, providing care to nearly 1 million outpatient visitors each year. It is also one of the leading providers of health care in Central Indiana, with physicians of the Indiana University School of Medicine providing a comprehensive range of primary and specialty care services within their 315-bed hospital and inpatient facilities and 11 community health centers located throughout Indianapolis. Approximately 90% of Eskenazi Health patients are underinsured or uninsured, and 50% are African American. Eskenazi Hospital, located on campus, has a Level I Trauma Center and nationally recognized services, including Midtown Community Mental Health Center, IU National Center of Excellence in Women's Health, and the Richard M. Fairbanks Burn Center.

Regenstrief Institute, Inc. (<http://www.regenstrief.org>): The Regenstrief Institute is an Indiana non-profit corporation formed in December 2001 to conduct and facilitate health care research, health care education, and clinical care. The Institute is affiliated with the Indiana University School of Medicine and Eskenazi Health. The Institute employs approximately 150 full-time staff and 35 investigators, who are faculty members of Indiana University. For almost 40 years, the Institute has supported numerous investigators in health services, aging, and medical informatics research. The research milieu within the Institute offers access to other faculty scientists with a wealth of interdisciplinary health services research expertise, including gerontology, medical sociology, social science, epidemiology, biostatistics, health economics, computer science, medical informatics, medical outcomes, and implementation research.

Richard L. Roudebush VA Medical Center (<http://www.indianapolis.va.gov>): Roudebush VAMC has been serving Veterans since 1932. At present, it offers primary and specialty healthcare services to almost 200,000 military veterans from a 45-county area in Indiana and Illinois. The medical center promotes medical affiliate training, education, and research and is aggressively using emerging technology in the tele-home care and tele-disease management arenas.

In addition to the on-campus resources that host training and research opportunities in clinical health and SMI/Psychiatric rehabilitation emphasis areas, faculty and students collaborate with a large network of community mental health centers in the area.

SMI/Psychiatric Rehabilitation Curriculum. Students in the SMI/Psychiatric rehabilitation emphasis area complete the requirements for IUPUI's general clinical program. In addition, they complete the two core courses in SMI/Psychiatric rehabilitation, elective courses, and two SMI/Psychiatric rehabilitation practica.

Core Courses*PSY-I 613 Psychiatric Rehabilitation*

This course focuses on the nature of severe mental illness (SMI) and the mental health services used to help individuals with these disorders to achieve the best outcomes possible. Consistent with a clinical science perspective, the course focuses primarily on evidence-based practices, but also examines factors shaping how services are provided, including the history, policy and politics, financing, role of advocacy groups, the role of the pharmaceutical industry, and cultural factors. A repeated theme will be to ask how to implement humane, practical, feasible, culturally competent, cost-effective, and replicable services. The course examines multiple perspectives drawn from lectures, readings, videotapes, invited speakers, and seminar discussions.

PSY-590 Schizophrenia

This course surveys literature on the one of the most disabling of chronic diseases: schizophrenia. The course begins with an examination of historical conceptions of this illness and then will explore current research on its etiology, phenomenology, course and treatment. Materials are drawn from wide ranging interdisciplinary backgrounds. This course is pertinent for persons interested in a broad knowledge base in the foundations and treatments for severe mental illness, those conducting or interested in conducting research with persons with schizophrenia and those interested in delivering or designing clinical and rehabilitation services to persons suffering from this illness.

Elective Courses**PSY-I 535 Clinical Neuroscience*

The emphasis of this course is the neurobiological foundations of mental health and mental illness. A primary goal is to examine how psychology, neuroscience, pharmacology, and medicine come together to manage mental illness. The nature of how biological alterations lead to aberrant behaviors that define psychopathology is examined, as well as the ethics involved in the field.

PSY-I 545 Psychopharmacology

A survey of the effects of drugs on behavior, cognitive functioning, and emotions. Emphasis is placed on the practical advantages of understanding how psychotropic drugs work, and on how the brain functions in health and disease. Students are exposed to the most current theories and research in the field.

PSY 61500 Introduction to Behavioral Neuroscience

A survey of the integrated neurosciences emphasizing physiological psychology. Neural processes of sensory and motor function, arousal and sleep, motivation, learning and memory, language function, and personality disorders are presented with selected coverage of neuroanatomy, neurophysiology, neuropharmacology, and neuroendocrinology. Both normal and pathological functions are covered.

*Students in the SMI/Psychiatric rehabilitation emphasis area sometimes take courses outside of the Department of Psychology, such as those offered by the Schools of Medicine, Nursing, and Public Health.

SMI/Psychiatric Rehabilitation Practica Sites. Students receive supervision by licensed clinical psychologists at our practica sites. Below is a list of our current sites relevant to SMI/Psychiatric rehabilitation. Of note, new placements are developed regularly.

- Easter Seals Crossroads
- Eskenazi Health - Midtown Community Mental Health Center

- Eskenazi Health - Prevention and Recovery Center for Early Psychosis
- Eskenazi Health - Midtown Westside Clinic
- Indiana University Medical Center - Christian Sarkine Autism Treatment Center
- Roudebush VA Medical Center – Psychosocial Rehabilitation and Recovery Center (PRRC)
- Roudebush VA Medical Center – Substance Use Disorders Program

SMI/Psychiatric Rehabilitation Research Fellowships. Our students have received funding for (a) individual predoctoral fellowships (F31) from NIH (grants.nih.gov/grants/guide/pa-files/PA-16-309.html) and (b) mental health-related predoctoral fellowships available on campus, including the Indiana CTSI (www.indianaactsi.org/funding/predoc).

Core Clinical Psychiatric Rehabilitation Faculty.

John H. McGrew, Professor, Ph.D., 1991, Indiana University. Interests: health psychology, psychiatric rehabilitation, autism.

Kyle S. Minor, Associate Professor, Ph.D., 2012, Louisiana State University. Interests: schizophrenia, schizotypy, early psychosis, disorganized speech, neurocognition, stress, affect.

Michelle P. Salyers, Professor, Ph.D., 1998, Indiana University-Purdue University Indianapolis (IUPUI). Interests: psychiatric rehabilitation, severe mental illness, recovery, staff burnout, implementation of evidence-based practices.

Wei Wu, Associate Professor, Ph.D., 2008, Arizona State University. Interests: advanced statistical methods such as longitudinal data analysis, structural equation modeling, and missing data analysis for health related research.

Other Contributing Faculty.

Angela Rollins, Ph.D., Associate Research Professor Psychology, School of Science, IUPUI; Roudebush VA HSR&D CHIC)

Alan McGuire, Ph.D., Associate Research Professor Psychology, School of Science, IUPUI; Roudebush VA HSR&D CHIC)

Marina Kukla, Ph.D., Adjunct Assistant Professor, Psychology, School of Science, IUPUI; Roudebush VA HSR&D CHIC

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Alan Breier, M.D., Professor of Psychiatry, IUSM, Director, IU Psychotic Disorders Program

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