

**UNIVERSITY OUTREACH**  
**CENTERS & INSTITUTES**

**Aging, Gheens Center on**

**Eugenia Wang, Ph.D., Director**  
e0wang01@louisville.edu; (502)852-2554  
<http://louisville.edu/hsc/centers/>

The Gheens Center for Research on Aging and Age-Related Diseases examines genetic mechanisms of the aging process and studies ways to slow or stop age-related diseases such as diabetes, cardiovascular diseases and Parkinson's and Alzheimer's disease. Led by Eugenia Wang, the center was founded in 2000 with a \$2.5 million gift from the Gheens Foundation.

**Asian Democracy, Center for**

**Shiping Hua, Ph.D., Director, Ronald Vogel, Ph.D., Co-Director**  
shiping.hua@louisville.edu; (502)852-2667  
<http://louisville.edu/asiandemocracy/>

The mission of the Center for Asian Democracy, established in 2006, is to promote research and teaching about democracy and the prospects for democratization in Central, South, Southeast and East Asia. Through publications, conferences, workshops, visiting scholars programs, colloquia, and research projects in Asian countries, the Center creates a forum for studying political dynamics in this vital region.

**Autism Center, UofL**

**(Also see the Kentucky Autism Training Center)**

**Allan Josephson, M.D. and Joe Hersh, M.D., Co-Directors**  
[www.louisville.edu/autism](http://www.louisville.edu/autism)

The Center organizational structure, combining components of the Department of Psychiatry and Behavioral Sciences and the Department of Pediatrics with the Kentucky Autism Training Center (KATC), provides an ideal format to assure efficient management and provision of clinical services when one or more departments and faculty representing a number of departments from different schools come together in a collaborative effort.

## **Birth Defects Center**

**Robert M. Greene, Ph.D., Director**  
greene@louisville.edu; (502)852-7507  
<http://louisville.edu/birthdefectscenter/>

The Birth Defects Center is a collaborative effort of nearly 40 researchers and physicians from multiple departments in the Schools of Medicine, Dentistry, Nursing, and Arts and Sciences. Established in 2000, the Center's overall mission is the pursuit of knowledge of developing biological systems, and the application of that knowledge to improve the diagnosis and treatment of birth defects in order to reduce the burdens caused by such disabilities by affecting their prevention.

## **Cardiovascular Innovation Institute (CII)**

**Layman A. Gray, MD, Director**  
<http://louisville.edu/medschool/mdphd/research/centers-and-institutes.html>

The Cardiovascular Innovation Institute (CII) at the University of Louisville was established in 1996 to improve our understanding of treatment of cardiovascular disease through scientific and clinical research. Cardiovascular diseases are the leading cause of death and hospitalization in the United States, accounting for an annual total cost of \$21-billion with Kentucky ranking fifth in the US for heart disease per capita.

The new mission of the Institute is to develop one of the top clinical cardiovascular research facilities in the world for diagnosing, treating and monitoring patients using advanced circulatory support systems, micro/nanotechnologies, and novel therapies. The primary objective of the CII is Clinical Translation: to identify emerging clinical needs and ensure the translation of research from the "bench-top to bedside" as quickly as possible.

## **Career and Technical Education, Center for**

**James R. Stone, III, Ed.D., Director**  
james.stone@nrccte.org; (502)852-0639  
<http://louisville.edu/education/research/centers>

The National Research Center for Career and Technical Education (NRCCTE) is the primary agent for generating scientifically based knowledge, dissemination, professional development, and technical assistance to improve career and technical education (CTE) in the United States. The NRCCTE works to improve the engagement, achievement, and transition of high school and postsecondary CTE students through technical assistance to states, professional development for CTE practitioners, and dissemination of knowledge derived from scientifically based research.

### **Cellular Therapeutics, Institute for (ICT)**

**Suzanne T. Ildstad**, M.D., Director  
suzanne.ildstad@louisville.edu; (502)852-2080  
<http://louisville.edu/org/ict/>

The Institute for Cellular Therapeutics is dedicated to making breakthrough discoveries in basic research and translating those discoveries to the clinic. ICT's emphasis is on use of adult stem cells from bone marrow and manipulation of immune system cells to treat a variety of human diseases.

### **Clinical and Translational Sciences Institute (CTSI)**

**Craig McClain**, M.D., Director  
cjmcccl@louisville.edu; (502)852-1388  
<http://louisville.edu/research/ctsi>

In 2007, the Clinical and Translational Sciences Institute (CTSI) was established to: 1) Expand and fully integrate the “academic home” for clinical and translational research. 2) Create a multidisciplinary program in research education and career development, utilizing advanced degrees that train the next generation of clinical and translational investigators. 3) Provide the necessary clinical research resources and translational technologies as well as support in areas such as bioinformatics, biostatistics and ethics to create novel and clinical and translational research. 4) Fully engage the unique and highly diverse population of Kentucky in research and translate our research findings into the community to improve the overall health and well being of its populace.

### **Conn Center for Renewable Energy Research (formerly Advanced Materials & Renewable Energy, Institute of)**

**Mahendra K. Sunkara**, Ph.D., Director  
mahendra@louisville.edu; (502) 852-1555  
<http://www.cvd.louisville.edu/index.htm>

The center focuses on the development of new processes based on chemical vapor deposition (CVD) for producing large single crystal quality wafers (Diamond and Gallium Nitride) and one-dimensional materials (nanowires and nanotubes) for a variety of inorganic materials. The students graduating from this group undertake courses from a variety of disciplines such as: Chemical Vapor Deposition (CVD), MEMS, Materials Characterization, Computational ChE/Materials Science, Solid State Physics/Physical Electronics, and Electrochemistry & Surface Science in addition to core chemical engineering courses to suit the multi-disciplinary nature of the materials nanotechnology research.

## **Democracy & Development, Institute for**

**Charles E. Ziegler**, Ph.D., Director

ceziegler@louisville.edu; (502)852-6831

<http://louisville.edu/democracydevelopment>

The mission for the Institute of Democracy and Development (IDD) is to promote research on issues related to democracy and development, while providing teaching, learning and service opportunities to the community of faculty, staff and students at the University of Louisville. Through singular and collaborative efforts, IDD exists to cultivate new knowledge about the process of democratic development in a diverse, rapidly changing world.

## **Diabetes and Obesity Center**

**Aruni Bhatnager**, Ph.D., Director

a0bhat@louisville.edu; (502)852-5966

<http://louisville.edu/facultysenate/Diabetes%20-%20Obesity%20Center.pdf/view>

Diabetes and Obesity Center seeks approval of the Diabetes and Obesity Center (DOC or Center) a National Center for Research Resources (NCRR) Center of Biomedical Research Excellence (COBRE) at the University of Louisville (UofL or the university). The Center is a new organizational unit in the Institute for Molecular Cardiology. DOC is funded through the NCRR P20 grant mechanism to strengthen the institution's biomedical research infrastructure through the establishment of a thematic multi-disciplinary center and to enhance the ability of investigators to compete independently for complementary National Institutes of Health (NIH) individual research grants or other external peer-reviewed support. Established investigators as mentors will form the base from which the junior investigators can grow and establish themselves as independent researchers in the areas of diabetes and obesity. This thematic program will generate groundbreaking basic and clinical research; provide comprehensive education and state-of-the-art training; assist in the development of independent research careers of junior investigators; facilitate the development of collaborative projects between the Center investigators; and enhance research capabilities and academic scholarship at U of L.

## **Depression Center**

**Jesse Wright**, M.D., Ph.D., Director

jhwright@louisville.edu; (502)852-0047

<https://louisville.edu/medschool/magazine/summer09/news/depression>

The Depression Center provides a multifaceted approach to helping those with depression through clinical services, research, and community and professional education. One emphasis of the center is research into the underlying causes of mood disorders and developing new, enhanced treatments that can better target the causes of these conditions. "Depression is among the most common and troubling of human illnesses, and our community deserves the vast array of resources our UofL Depression Center will have available."

## **Early Childhood Research Center**

**Victoria Molfese, Ph.D., Director**

tori@louisville.edu; (502)852-0582

<http://louisville.edu/education/research/centers/icrecii/>

The Interdisciplinary Center for Research on Early Childhood Issues and Initiatives was established by the College of Education and Human Development in 1999 to conduct and disseminate research about the development and education of young children. The Interdisciplinary Center's mission is to encourage research activities by faculty within the College of Education and Human Development and in departments from across the university and the nation with complementary research strengths in areas such as early and middle childhood education, family therapy, music, pediatrics, psychiatry, psychology, public policy, speech pathology, social work, and teacher preparation.

## **Economic Education, Center for**

**Sharon Kerrick, Ph.D., Director**

saspic01@louisville.edu; (502)852-4683

<http://louisville.edu/education/research/centers/economic-ed.html>

The Center aims to develop individual economic knowledge and decision making skills needed as teachers, family members, workers, citizens and business, labor, government and community leaders. The Center also conducts research in these areas.

- The Center provides support to schools and training to teachers who in turn will teach students.
- The Center produces and distributes teaching materials for use by teachers in K-16 classrooms.
- The Center maintains an affiliation with the [National Council on Economic Education](#) to draw upon their strength in national programming, curriculum materials, research and public awareness of the need for economic education
- The Center maintains close ties with the Kentucky Department of Education to ensure that economics content find its appropriate place in state required content and is also included in state assessments. ([Kentucky Core Content](#))
- The Center conducts outreach programs designed to reach students in *non* classroom locales and programs, such as GED programs, after schools programs for at-risk youth and many others.

## **ElectroOptics Research Institute & Nanotechnology Center**

**Robert W. Cohn**, Ph.D., Director  
rwcohn@louisville.edu; (502)852-7077  
<http://pyramid.spd.louisville.edu/~eri/>

The ERI's growth in membership and in research grants has been greatest by far in the area of nanotechnology. ERI members through these grants have brought in advanced instruments that support nanotechnology, and as a result have created a user facility containing several of these instruments (many unique to Kentucky and the Ohio Valley region, e.g. advanced electron microscopes, atomic force microscopes, nanoprinters, nanomaterials composition and structure analyzers for observing the growth of atomic monolayers). The continued growth in nanotechnology funding justified broadening the name of ERI to ElectroOptics Research Institute & Nanotechnology Center (ERINC).

## **Environmental Education, Center for**

**Teddie Phillipson-Mower**, (ABD), Director  
cenvired@louisville.edu; (502)852-0791  
<http://louisville.edu/education/research/centers/environmental-ed>

The UofL Center for Environmental Education is part of a statewide network of environmental education centers located at each state university called [Kentucky University Partnership for Environmental Education \(KUPEE\)](#). This effort fulfills the recommendation as outlined in the Master Plan for Environmental Education in Kentucky. The Center develops, coordinates, implements and documents environmental education programs with a variety of constituencies. Its mission also includes the preparation of both formal and non-formal educators and future leaders and conducting and disseminating research.

The Center works in collaboration with the [Center for Environmental Education](#) at Jefferson County Public Schools and [Louisville Metro Government](#) through the [Partnership for a Green City](#). It is also affiliated with the [Kentucky Institute for the Environment and Sustainable Development](#) at the University of Louisville.

## **Environmental Engineering, Center for**

**Mark N. French**, Ph.D., Director  
french@louisville.edu; (502)852-0144  
<http://louisville.edu/speed/research/centers-and-labs/center-for-environmental-engineering.html>

The Center for Environmental Engineering is one of the eight centers of the Kentucky Institute for the Environment and Sustainable Development (KIESD). The Centers in KIESD are each based in a school or college within the University; as a result, each is a multidisciplinary effort that draws faculty and resources primarily from its own academic unit. However, each Center

has been mandated to develop outreach policies that will encourage affiliation with industry, the government, and other academic departments to ensure successful overall programs.

### **Environmental Genomics and Integrative Biology, Center for**

**Kenneth S. Ramos**, Ph.D., Director

ksramo@louisville.edu; (502)852- 7340

<http://louisville.edu/environmentalgenomics>

The Center for Environmental Genomics and Integrative Biology (CEGIB) is a National Institute of Environmental Health Sciences (NIEHS) core center at University of Louisville that focuses on the application of genomics and integrative biology to problems in environmental health. The center promotes scientific achievements that advance our molecular understanding of human diseases and the role of environmental factors in the pathogenesis of disorders of cellular growth and differentiation. The thematic areas of scientific focus at the Center are: Environmental Cardiology, Environmental Carcinogenesis, and Developmental Origins of Health and Disease.

### **Environmental & Occupational Health Sciences, Center for**

**Russell Prough**, Ph.D. and **Steven R. Myers**, Ph.D., Co-Directors

russ.prough@louisville.edu; (502)852-5213

<http://louisville.edu/kiesd/environmental-centers>

CEOHS seeks to stimulate interdisciplinary research in environmental health sciences and provide a thrust towards education and outreach to the public, industries, and local and state governments in Kentucky. The center is part of the Kentucky Institute for the Environment and Sustainable Development (KIESD).

## **Environmental Policy & Management, Center for**

**Lauren Heberle, Ph.D., Director**

lauren.heberle@louisville.edu; (502)852-4749

<http://cepm.louisville.edu/>

The Center for Environmental Policy and Management (CEPM) seeks to improve the economic efficiency and environmental efficacy outcomes of governmental and business environmental management practices. The Center specializes in the economic development – environmental protection intersections, including contaminated land redevelopment and smart growth planning. The Center is part of the Kentucky Institute for the Environment and Sustainable Development (KIESD).

## **Family Business Center**

**Kathleen Hoye, Director**

kathleen.hoye@louisville.edu; (502)852-1048

<http://business.louisville.edu/content/view/465/890//>

The purpose of the Family Business Center is to ensure the longevity of family-owned firms and strengthen the community through economic development in Kentucky, Indiana and the surrounding region, by combining the academic strength of UofL, strategic alliances with national family business experts as well as local business forums, and the experience of established long-term family businesses leadership.

## **Family Resource Development, Center for**

**Dana Christensen, Ph.D., Director**

dana.christensen@louisville.edu; (502)852-8975

<http://louisville.edu/kent/centers>

The Center was established in 1990 to support efforts in community program development. Center work has included projects in juvenile justice, child protection, and family conflict (divorce, or economic hardship). In addition to being extensive, these problems are interrelated. The mission of the University of Louisville reflects a dedication to the scholarly study of those issues that most affect the community and nation. The University is committed to furthering our collective understanding of the social forces that shape urban life. The Center for Family Resource Development is one vehicle intended to help carry out this mission.

## **Genetics & Molecular Medicine, Center for (CGeMM)**

**Kenneth S. Ramos**, Ph.D., Director

ksramo@louisville.edu; (502)852-7207

<http://louisville.edu/medschool/genetics/>

The Center for Genetics and Molecular Medicine (CGeMM) offers a forum for interactive opportunities through monthly meetings, seminars, and facility core access designed to promote collaborations among basic scientists and clinicians at UofL and affiliated hospitals. CGeMM investigators share common interests in genetics and molecular medicine and have research activities grouped into five major core areas:

- Biomarkers and Genetic Susceptibility
- Endocrinology and Developmental Biology
- Ethico-Legal and Social Implications
- Functional Genomics
- Molecular Toxicology

Each core area involves investigators representing multiple departments and programs throughout the University.

## **Geographic Information Systems (ULCGIS), Center for (ULCGIS)**

**Clara Leuthart**, Ph.D., Director

caleut01@gwise.louisville.edu; (502)852-2703

<http://www.ulcgis.org/>

The University of Louisville Center for Geographic Information Sciences was established in 1996, and is located on the Belknap Campus in Lutz Hall. As an integral part of the Geography and Geosciences, the facilities of the ULCGIS are available to faculty, students and staff, and are used to assist other university departments in research and mapping.

## **Hazards Research & Policy Development, Center for**

**David M. Simpson**, Ph.D., Director

dmsimp@louisville.edu; (502)852-8922

<http://hazardcenter.louisville.edu/>

The Center for Hazards Research and Policy Development (CHR) is a research unit at the University of Louisville that integrates the skills of engineers, natural scientists, urban planners, GIS specialists, professional researchers and social scientists in solving problems. CHR conducts research across a broad spectrum of issues including hazards preparedness, mitigation, response and recovery from technological and natural hazard events. The Center was established in 1989 by an Executive Order of the then Kentucky Governor Wallace Wilkinson in conjunction with the Division of Disaster and Emergency Services, and the Natural Resources and Environmental

Protection Cabinet. The Center for Hazards Research and Policy Development is engaged in research, education and innovation in hazards and security planning, preparedness, response and recovery.

### **Health Hazard Preparedness, Center for**

**Richard D. Clover, M.D., and Ronald M. Atlas, Ph.D.,** Co-Directors

chhp@louisville.edu; (502)852-3299

<https://louisville.edu/sphis/chhp/>

The Center for Health Hazards Preparedness (CHHP), formerly the Center for Deterrence of Biowarfare and Bioterrorism, is housed within the offices of the University of Louisville School of Public Health and Information Sciences. The CHHP was established in 2002 through a cooperative agreement with the Centers for Disease Control and Prevention (CDC).

The center's activities aim to bring together the information resources, human expertise and research infrastructure to improve the local, regional and national response to outbreaks of infectious diseases and the defense against potential biological, chemical and radiation threats and natural disasters. The Center for Health Hazards Preparedness is a nationally-recognized center of excellence in coordinating research, education and service to improve the local, regional and national response to potential acts of terrorism, natural disasters and infectious diseases.

### **Health Promotion & Prevention Science Research**

**Cheryl A. Kolander, Ph.D.,** Director

cakola01@louisville.edu; (502)852-8797

<http://louisville.edu/education/research/centers/health-research.html>

The mission of the Center for Health Promotion and Prevention Science Research is to collaborate with local partners and conduct research on disease prevention and health promotion strategies that serve as models for best practices in diverse settings and populations.

The goals of the center are to:

1. Create an interdisciplinary research team to address health issues in the metropolitan area
2. Collaborate with Health Promotion Schools of Excellence in Jefferson County Public Schools to share best practices in promoting positive health outcomes in school-aged children and adolescents
3. Conduct research related to educational strategies for reducing health disparities within the metropolitan area
4. Encourage best practices through dissemination of current research findings in health promotion and prevention science.

## **Humanities & Society, Commonwealth Center for the**

**Thomas B. Byers**, Ph.D., Director

cchs@louisville.edu; (502)852-8977

<http://louisville.edu/cchs/>

Established in academic year 1997-98, the Commonwealth Center for the Humanities and Society is charged with enhancing humanistic scholarship, research, creative activity, teaching, and public awareness at the University of Louisville, in the Louisville metropolitan area and, in collaboration with other universities, colleges, and humanities organizations, throughout the Commonwealth of Kentucky. The Center offers a variety of programs, some focused internally on faculty research, but many designed to appeal to the public and to help make the University a cultural center for the city and the Commonwealth. The Center also offers support in funding, publicity, networking, and other forms for humanities-oriented projects undertaken by departments, programs, faculty working groups, and community groups with related missions. It especially encourages interdisciplinary work and collaboration among individuals, among existing units within the university, and between U of L and other institutions--not only other colleges and universities, but also public schools, museums, arts groups, and other humanities organizations.

## **Industrial Ergonomics, Center for**

**G. Talley Holman**, Ph.D., Director

gtholm01@gwise.louisville.edu; (502)852-2274

<http://louisville.edu/speed/ergonomics/>

The Center performs research and training in several areas of work systems design, human factors engineering, industrial ergonomics, and occupational health and safety management. These include, but are not limited to, the following areas of interest:

- People-organization-technology: integrating human, organizational and technical systems at work
- Ergonomic workplace evaluation and engineering redesign; task analysis, methods study and work measurement
- Human aspects of office work, human-computer interaction, ergonomics of telecommunication
- Ergonomic evaluation and design of consumer products; safety, usability and comfort of use issues
- Systems ergonomics: management of work systems, and safety and health at the workplace.

## **Infrastructure Research, Center for**

**Thomas D. Rockaway**, Ph.D., Director

rockaway@louisville.edu; (502)852-3272

<http://louisville.edu/speed/research/centers-and-labs/center-for-infrastructure-research.html>

The center for Infrastructure Research is a strong partnership between UofL, utilities and industry formed to research educate and solve urban infrastructure-related issues and problems. By combining the interests, needs, and synergies of the various participants, the center serves as a technical resource, knowledge center and educational provider. Participation and sponsorship of the center is open to all utilities, industries, governments, and organizations within the community who would benefit from, and contribute to, the knowledge base of urban infrastructure issues.

The center was formed in August 2002 through a partnership between the University of Louisville, the Metropolitan Sewer District and the Louisville Water Company. The intent of the center is to leverage the limited resources of these sponsors and additional sponsors to solve common problems and then to disseminate the learned information. In this manner, resources can be extended and data can be generated to promote informed, intelligent, and rational decisions.

## **Intercultural Communication, Institute for**

**Robert St.Clair**, Ph.D., Director

robert.st.clair@louisville.edu;

<http://comm.louisville.edu/department/index.php>

The mission of the Institute for Intercultural Communication is to promote research while supporting teaching, learning, and service opportunities to the community of faculty, staff and students at the University of Louisville on issues related to language, culture, and communication. Through stand alone and collaborative efforts, the Institute for Intercultural Communication would exist to cultivate new knowledge about the process of intercultural communication in a diverse, rapidly changing, world of globalization.

## **Kentucky Autism Training Center**

**G. Richmond Mancil**, Ph.D., Director

rich.mancil@louisville.edu; (502)852-4631

<https://louisville.edu/education/kyautismtraining/>

The mission of the Kentucky Autism Training Center is to strengthen our state's systems of support for persons affected by autism by bridging research to practice and by providing training and resources to families and professionals. KATC is committed to improving the quality of life for those affected by Autism Spectrum Disorders (ASD). KATC is part of the College of Education and Human Development. The UofL Autism Center combines components of the Department of Psychiatry and Behavioral Sciences, the Department of Pediatrics and the Kentucky Autism Training Center.

## **Kentucky Institute for the Environment & Sustainable Development (KIESD)**

**Teddie Phillipson-Mower**, (ABD), Director  
t.phillipsonmower@louisville.edu; (502)852-6411  
<http://louisville.edu/kiesd/>

KIESD, formed by the University of Louisville in 1994, provides the general public and the research community statewide with the tools and the space to work towards a brighter future. KIESD provides access to research, news and events about Kentucky's environment and sustainable development. The KIESD consists of the following centers:

- Center for Environmental Education
- Center for Environmental Engineering
- Center for Environmental and Occupational Health Sciences
- Center for Environmental Policy and Management
- Center for Environmental Science
- Center for Land Use and Environmental Responsibility
- Center for Sustainable Urban Neighborhoods
- Kentucky Pollution Prevention Center

## **Kentucky Pollution Prevention Center (KPPC)**

**Cam Metcalf**, Executive Director  
info@kppc.org; (502)852-0964  
<https://louisville.edu/kppc/>

KPPC is Kentucky's primary resource to help businesses, industries and other organizations develop environmentally sustainable, cost-saving solutions for improved efficiency. Based at the University of Louisville J.B. Speed School of Engineering, KPPC provides technical information and assistance that is free, confidential and non-regulatory. KPPC is one of the eight centers of the Kentucky Institute for the Environment and Sustainable Development.

## **Kentucky Population Research Center**

**Michael Price**, Director  
mlpric@louisville.edu; (502)852-7990  
<http://ksdc.louisville.edu/1about.htm>

Kentucky Population Research is the applied demographic research program of the University of Louisville's Urban Studies Institute providing technical assistance to the Kentucky State Data Center. As Kentucky's representative in the Federal-State Cooperative Program for Population Estimates and Projections, KPR, in conjunction with the U.S. Bureau of the Census, is the state's official source of population estimates and forecasts. In addition, we maintain extensive data holdings including 1980 and 1990 census data, Current Population Surveys (CPS), Kentucky vital statistics, and Bureau of Economic Analysis (BEA) data. These resources provide the basis for a variety of demographic services to accommodate the informational needs of state and local governments and businesses.

## **Kentucky Spinal Cord Injury Research Center**

**Scott R. Whittemore**, Ph.D., Director

kscirc@gwise.louisville.edu; (502)852-8060

<http://louisville.edu/kscirc/>

The goal of the Kentucky Spinal Cord Injury Research Center (KSCIRC), in close collaboration with our clinical colleagues in the Department of Neurological Surgery, is to develop effective treatments for spinal cord injury. This goal is guided by our mission: "*to develop successful spinal cord repair strategies in the laboratory that can be taken to the clinic in a timely and responsible fashion*".

## **Kentucky State Data Center (KSDC)**

**Michael Price**, Interim Director

mlpric@louisville.edu; (502)852-7990

<http://ksdc.louisville.edu/>

The Kentucky State Data Center is located in the [Urban Studies Institute](#) at 426 W. Bloom Street, Louisville, KY on the University of Louisville's main campus. Since 1980, KSDC and its [76-member affiliate network](#) has provided training and technical assistance in accessing and using Census data for research, administration, planning, and decision making by the government, the business community, university researchers, and other interested data users. The State Data Center is a cooperative effort among the the University of Louisville, the Commonwealth of Kentucky and the [U.S. Census Bureau's State Data Center Program](#).

## **Labor Management Center**

**Carrie G. Donald**, Ph.D., and **John D. Ralston**, Ph.D., Co-Directors

lmcenter@louisville.edu; (502)852-6482

<https://louisville.edu/labormanagement/>

Established in 1986, the Labor-Management Center (LMC) represents the University of Louisville in providing a comprehensive, objective, and superior program of research, teaching, publication, and promotion in order to foster labor-management partnerships and networks for more efficient and productive workplaces in a broad cross-section of union-organized producers of goods and services.

## **Land Use and Environmental Responsibility, Center for** **(formerly the Center for Environmental Law)**

**Craig (Tony) Arnold**, J.D., Director

tony.arnold@louisville.edu; (502)852-6388

<http://louisville.edu/landuse/center-chair-and-affiliates.html>

The University of Louisville's Center for Land Use and Responsibility seeks to promote improved understanding of – and ideas about – the relationships between land use and human and natural environments.

### **Logistics & Distribution Institute (LoDI)**

**Sunderesh S. Heragu**, Ph.D., Director  
sshera01@louisville.edu; (502)852-4850  
<http://louisville.edu/lodi/>

The Logistics and Distribution Institute (LoDI) at the University of Louisville was established to develop cutting-edge instructional programs and curricula for students and local business employees seeking career-long education and training in logistics and distribution. LoDI is also responsible for sustaining a high-quality research environment by facilitating interdisciplinary and applications-oriented research that will benefit both the Louisville academic and business communities.

### **McConnell Center for Political Leadership**

**Gary L. Gregg**, Ph.D., Director  
mcconnell@louisville.edu; (502)852-8811  
<http://louisville.edu/mcconnellcenter/>

The McConnell Center was established in 1991 by Kentucky's senior U.S. Senator Mitch McConnell and the University of Louisville. McConnell, a 1964 graduate of the university, founded the Center based on his belief that "Kentucky's future depends on inspiring talented, motivated leaders."

The McConnell Center is dedicated to providing a non-partisan, well rounded education that encourages top undergraduates to become valued citizens and future leaders of the Commonwealth and the nation. The Center also facilitates public discourse on the major challenges of our time while encouraging an understanding of our shared past.

### **Molecular Diversity & Drug Design, Institute for (IMD3)**

**James L. Wittliff**, Ph.D., M.D., Director  
jlwitt@louisville.edu; (502)852-5216  
<http://louisville.edu/imd3>

The research of members of the IMD3 focuses on broad aspects of basic and clinical science ranging from medicinal chemistry to advanced design and synthesis of new compounds using molecular modeling and structural biological approaches. Studies of several IMD3 members utilize proteomics and genomics to identify new molecular targets for assessing biological behavior of a disease or for designing an alternative drug. The emphasis of other IMD3

investigators is to translate these types of results into new assays and clinical tests applicable to management of disease. "Molecular Diversity" may be derived from a range studies such as combinatorial chemistry and high throughput screening, where literally millions of compounds are synthesized and tested to uncover new drug leads.

### **Molecular Cardiology, Institute of**

**Roberto Bolli**, M.D., Chief of Cardiovascular Medicine

rbolli@louisville.edu; (502)852-7959

<http://louisville.edu/medschool/cardiology/>

The primary objective of the Institute of Molecular Cardiology is to promote and integrate interdisciplinary research efforts that are aimed at advancing our understanding of the molecular basis of cardiovascular disease. By bringing together scientists with different but complementary areas of expertise, the Institute plays an important role in catalyzing collaboration and exchange of ideas, which results in synergistic novel approaches.

### **Muhammad Ali Institute for Peace & Justice**

**Stacy Bailey-Ndiaye**, Interim Director

sbbail01@gwise.louisville.edu; (502)852-6372

<http://louisville.edu/aliinstitute/>

The mission of the Muhammad Ali Institute for Peace and Justice at the University of Louisville is to advance the work, study and practice of peacemaking, social justice and violence prevention through the development of innovative educational programs, training, service and research.

Drawing strength from the vision and work of Muhammad Ali, the Muhammad Ali Institute for Peace and Justice at the University of Louisville develops initiatives that support human dignity, foster responsible citizenship, further peace and justice and address the impact of violence in local, state, national and international arenas. The Ali Institute has a special concern for young people living with violence in urban areas; therefore, we seek to equip the young and those working with them to be agents of peace and justice in their communities.

### **National Crime Prevention Institute**

**(formerly: Community Security & Public Safety, Institute for)**

**Marianna Perry**, M.S., and **Deborah Wilson Keeling**, Ph.D., Co-Directors

m0perr04@louisville.edu; (502)852-8577

<http://louisville.edu/ncpi/>

The Institute for Community Security and Public Safety offers services such as customized security assessments of facilities and training seminars on a variety of topics to increase security knowledge and to help prevent crime. The Institute was founded in 1971 as the National Crime Prevention Institute.

## **Non-Profit Innovation Center**

**Ted Strickland**, Ph.D., Director

tjstri01@gwise.louisville.edu; (502)852-4794

Staff and budget limitations leave many smaller non-profit organizations with piecemeal technology that doesn't adequately serve their needs. The Non-Profit Innovation Center provides a program through which computer information systems students and faculty will provide affordable information technology consulting, development and support services to local non-profit organizations. The program will offer three services: strategic assessment, infrastructure support, and Web-based solutions for significantly less cost than what would be charged by commercial service providers. The fees will cover the program's operating expenses and student stipends.

## **Nursing Practice, Center for**

**Kay Roberts**, Ed.D., Director

[ktrobe01@gwise.louisville.edu](mailto:ktrobe01@gwise.louisville.edu); (502)852-5366

The Center for Nursing Practice was initiated in August 1995 as the Urban Nursing Center. In 2000 the name was changed to The Center for Nursing Practice. The purpose of the Center for Nursing Practice is to promote and support nursing practice initiatives of the School of Nursing. The Center for Nursing Practice provides an umbrella for the multiple projects and partnerships undertaken by the School of Nursing faculty and students to demonstrate innovative and evidence-based nursing practice models.

## **Nystrand Center of Excellence in Education**

**Diane Kyle**, Ed.D., Director

diane.kyle@louisville.edu; (502)852-6471

<http://louisville.edu/education/research/centers/nystrand/nystrand-center.html>

The purpose of this Center, which is one of five Commonwealth Centers of Excellence and the only one in education, is to develop, implement and study collaborative efforts to improve teaching. The Center has several programs that contribute to improving and supporting community partnerships, educational policy and professional development for teachers both locally and nationally.

## **Outcomes Research Institute**

**Daniel I. Sessler**, M.D., Chair

ds@or.org

<http://www.or.org/>

Outcomes Research Consortium seeks to understand the end results of particular health care practices and interventions. End results include effects that people experience and care about, such as change in the ability to function. In particular, for individuals with chronic conditions—

where cure is not always possible—end results include quality of life as well as mortality. By linking the care people get to the outcomes they experience, outcomes research has become the key to developing better ways to monitor and improve the quality of care.

### **Price Surgical Research Institute**

**Susan Galanduik, MD, Director**

info@priceinstitute.com; (502)852-4568

<http://www.louisvillesurgery.com/ResearchFacilities.html>

Founded in 1957 by John W. Price, Jr., MD, the Institute strives to enhance the care of patients through advances in surgical techniques and technology and through basic and clinical research. Each of our 12 laboratories focuses on a specific field of surgical research, including digestive disease, cardiovascular biomechanics and circulatory support, reconstructive hand surgery, and traumatic injury.

### **Rapid Prototyping Center**

**Ken R. Davis, Director**

ken.davis@louisville.edu; (502)852-7599

<http://louisville.edu/speed/rpc/>

The University of Louisville has been assisting industrial users with its Rapid Prototyping Center (RPC) since 1993, when it became the first US university to buy and operate Selective Laser Sintering equipment. Users gain access to problem-solving technology as well as continuing research. Benefits also include access to U of L's J.B. Speed School students and graduates - engineers of the future with training in this state-of-the-art technology.

Members of the Rapid Prototyping Center consortium range from Fortune 100 companies to individual inventors. In business, time is money. Getting a quality product to market quickly is critical, and correcting design flaws early in that process is essential. Members have found that the Rapid Prototyping Center has assisted them in saving time, money, and costly delays in product development.

In the fall of 2007, the RPC expanded its capabilities when it became the only Louisville-area Haas Technical Education Center (HTEC) for Haas Automation, Inc. With advanced additive manufacturing equipment and six fully featured CNC machine tools, the RPC is now one of the most advanced prototyping facilities in the Louisville area.

### **Regulatory and Environmental Analytical Metabolomics , Center for (CREAM)**

**Teresa Fan, Ph.D., Director**

twfan@earthlink.net; (502)852-6448

<http://research.louisville.edu/metabolomics>

This program will develop cutting-edge methodologies and approaches for the emerging metabolomic and system biochemical research. This area of research has the promise of revolutionizing biological research in the 21st century for the ability to resolve biological complexity. Thus, metabolomic development will find applications in a broad array of pressing societal problems ranging from human health, biotechnology, to environmental pollution and ecosystem health.

### **Research in Mathematics & Science Teacher Development , Center for (CRMSTD)**

**William S. Bush**, EdD, Director

bill.bush@louisville.edu; (502)852-0590

<http://louisville.edu/education/research/centers/crmstd/>

The Center is housed in the Department of Teaching and Learning in the College of Education and Human Development, allowing it to build strong collaborations already established among faculty in the College, faculty in Arts and Sciences, and teachers and administrators in local school districts. Its primary goals are to: (1) conduct research on the development of mathematics and science teachers from the beginning of their preparation program to the end of their career; (2) build exemplary models of teacher recruitment, teacher education programs, and professional development experiences based on this research, and (3) build doctoral programs in mathematics and science education that are nationally competitive.

### **Social Justice Research, Anne Braden Institute for (ABI)**

**Catherine Fosl**, Ph.D., Director

cafosl@louisville.edu; (502)852-6142

<http://al.comm.louisville.edu/abi/>

The Anne Braden Institute for Social Justice Research is dedicated to understanding the processes and conditions that create and sustain social justice globally, nationally, regionally, and locally— with a special focus on the Louisville community and the U.S. South. The institute seeks to advance understanding of the U.S. civil rights movement and to honor the humanitarian vision of longtime racial justice organizer, educator and journalist, [Anne Braden](#), whose outlook was global, but whose activism was concentrated at the grassroots level.

### **Southern Police Institute**

**Tom “Tad” Hughes**, JD, Ph.D., Director

Tad.hughes@louisville.edu; (502)852-0376

<http://louisville.edu/spi/>

Since the creation of the Southern Police Institute in 1951, its program of instruction has been grounded in the belief that law enforcement is a demanding activity requiring the highest level of professional preparation. The Southern Police Institute was established by its founders to provide a place where that preparation can be undertaken. The present faculty and staff dedicate themselves to this mission and continue to maintain the standards of excellence established by our founders. They are uniquely qualified as researchers, consultants, teachers, and former law

enforcement practitioners to guide and to direct the educational needs of today's law enforcement professionals.

### **Survey Research Center**

**Bruce Gale**, Director

bgale@louisville.edu; (502)852-7906

<http://usi.louisville.edu/sru/index.html>

The Survey Research Center at the Urban Studies Institute provides professional staff and services for telephone surveys, focus groups, mail surveys, face-to-face interviewing, data analysis, and report writing.

### **Sustainable Urban Neighborhoods, Center for (SUN)**

**John Gilderbloom**, Ph.D., Director

[jgilde02@louisville.edu](mailto:jgilde02@louisville.edu); (502)852-8557

<http://sun.louisville.edu/>

SUN's mission is to explore strategies, which foster empowering individuals in the community, promoting neighborhood revitalization and self-sufficiency achieved through community partnerships.

### **Study of Crime and Justice in Black Communities, Center for the**

**Ricky L. Jones**, Ph.D., Director

ricky.jones@louisville.edu; (502)852-5985

<http://louisville.edu/panafricanstudies/center-for-the-study-of-crime-and-justice-in-black.html>

The mission of CSCJBC is to promote research and teaching to the community of faculty, staff, and students at the University of Louisville as well as community members and officials who construct and pass public policy on issues related to crime among black populations. CSCJBC exists to cultivate new perspectives and public policy initiatives which seek correctives to the issues chosen for exploration. The goals of CSCJBC reflect those promoted by the University of Louisville and the College of Arts and Sciences of enhancing research and scholarly activities with the aim of achieving national prominence, promoting intercultural understanding, and cultivating real-world change in ever-evolving communities.

### **Transportation Innovation, Center for**

**Louis F. Cohn**, Ph.D., Director

cohn@louisville.edu; (502)852-4546

<http://louisville.edu/speed/research/centers-and-labs/center-for-transportation-innovation.html>

The Center for Transportation Innovation, housed in the J.B. Speed School of Engineering was created in 2002. The center grew out of a collaborative effort with the University of Kentucky and the state's Transportation Cabinet. In 2002, the reauthorization of the Transportation Equity

Act provided earmark funding for the Academy for Community Transportation Innovation, which is housed at the University of Kentucky. At the same time, legislation authorized \$500,000 from the allocation to establish a collaborative program at J.B. Speed School of Engineering. The goal of the Center is to work with various units within UK, UofL, the Transportation Cabinet, and the U.S. Department of Transportation to advance the cause of transportation research for the betterment of the commonwealth in general and more specifically the Louisville metropolitan area.

### **Urban Studies Institute**

**Bruce Gale**, Executive Director

bgale@louisville.edu; (502)852-8151

<http://usi.louisville.edu/>

The Urban Studies Institute is an applied social policy and economic research center serving the Louisville metropolitan area and the Commonwealth of Kentucky. Faculty and students in the Department of Urban and Public Affairs work closely with USI staff and maintain offices in the USI facility. USI is housed in a 20,000 square-foot building on the University of Louisville's Belknap campus.