

[View this newsletter as a webpage.](#)



Febuary/March 2013



Last year we had more students showcased than ever!

Save the Date: Research Day 2013 is April 5!

The Office of the Vice Chancellor for Research presents Research Day 2013.

Friday, April 5, 2013, marks the fifth annual IUPUI Research Day. In the last decade, Central Indiana has emerged as a leader in innovative research, to which IUPUI has made significant contributions in areas such as mechanical engineering, biomedical engineering, neurosurgery and regenerative biology. This day-long conference is IUPUI's opportunity to highlight its renowned ability to nurture the minds of tomorrow's researchers and to demonstrate why the institution pioneers in research. Co-coordinated by the Center for Research and Learning, Research Day showcases the multifaceted research and scholarly activities of undergraduate, graduate and professional students. This symposium allows members from IUPUI, IUPUC and surrounding communities to discover more about the research enterprise at IUPUI, to explore potential collaborations and to lay the foundation for new partnerships.

[For more information, click here>>](#)



Last year's Wilson Award winner was Professor Stephen Randall (center).

2013 CRL Award Reception is April 19!

The IUPUI Center for Research and Learning (CRL) cordially invites you to the 2013 Student and Faculty Recognition Celebration on Friday, April 19. IUPUI is one of the leading up-and-coming universities in the country. According to *U.S. News & World Report*, this campus ranks seventh in the nation for universities making the most promising and innovative changes in the areas of academics, faculty and student life. The dedication to excellence made by the IUPUI community does not go unnoticed, internally or externally. Each year the Center

for Research and Learning recognizes exceptional undergraduate research and mentoring. This award reception honors those whose endeavors have propelled undergraduate research farther. Graduating seniors who have participated in the center's programs, CRL scholars from IUPUI's Top 100 and the first cohort of CRL Ambassadors will be honored. Last year's award recipients included Dr. Stephen K. Randall, Kathryn J. Wilson Award for Outstanding Leadership and Mentoring of Undergraduate Research; Tomás Enrique Meijome, Bowling-Jones-Russo Memorial Undergraduate Research Award; as well as Alyssa Rose Marie Gutiérrez, IUPUI Chancellor's Award for Outstanding Undergraduate Research.

» **For more information, click here>>**



Tayana is a current McNair scholar and a CRL ambassador.

Spotlight on Tayana Dowdell

The Ronald E. McNair Postbaccalaureate Achievement Program afforded Tayana Dowdell the opportunity to work at the Center for Urban and Multicultural Education (CUME), under the mentorship of Dr. Crystal Hill Morton and Project Coordinator Shanna M. Stuckey. Tayana assisted on the project, "Remedial Reading Intervention: Examination of the Impact of ReadUp in Increasing Reading Levels for At-risk Learners." In the fall of 2012, she was selected to represent IUPUI at the Southern Regional Education Board Institute on Teaching and Mentoring in Tampa. Tayana plans on advancing to graduate school to obtain a master's degree in instruction and curriculum planning and, ultimately, a Ph.D.

» **For more information on the McNair Scholars program, click here>>**



Dr. Morton currently serves as a research mentor for the IUPUI Diversity Scholars Research Program and UCASE.

Featuring Dr. Crystal Morton

Crystal Hill Morton is Assistant Professor of Mathematics Education at Indiana University-Purdue University Indianapolis in the IU School of Education and an affiliate professor in the Purdue School of Science, where she has taught undergraduate and graduate courses in elementary and secondary mathematics methods, general secondary methods and assessment in schools.

Her research is driven by a passion to understand why African American students, particularly females, are disproportionately underachieving in mathematics. She seeks to uncover the barriers that hinder many African American female students from being successful in their mathematics-education courses and, by implication, from pursuing advanced study in the subject. Her collaborative research agenda centers around three broad areas: (1) Developing an in-depth understanding of the

development of African American females as mathematical learners; (2) Developing an understanding and critique of factors outside of the learner (both African American males and females) that adversely affect their teaching and learning; and (3) Developing interventions aimed at improving the mathematics teaching and learning of African American male and female students. She has co-designed and implemented two summer programs focusing on the mathematics and science development of African American students and on developing a program to engage African American girls and young women in mathematics in order to increase their confidence and interest in STEM-related careers. Dr. Morton has served as a mentor for the Ronald E. McNair Postbaccalaureate Achievement Program and mentors students in the IUPUI Diversity Scholars Research Program (DSRP) and the IUPUI UCASE research experience, because she values the importance of engaging undergraduate students in rich research experiences.

» **For more on Dr. Crystal Morton, click here**>>



Casey was the technical-services specialist in the office, wearing many hats to assist the students and staff.

Farewell to Casey Goodrow!

The Center for Research and Learning said good-bye to Casey S. Goodrow in November 2012. Casey had been with the Center since 2011 and was known to our students and staff for his creativity, collegiality and professionalism. Casey was the technical-services specialist in the office and helped us revise our webpage, manage our professional image, and work with our research scholars on the production of their posters. Casey has moved on to pursue other interests, and we all wish him the very best.



Joseph has been associated

Introducing: Joseph Franklin to CRL

The Center for Research and Learning welcomes Joseph C. Franklin who joined us as our technical-services specialist on March 6.

An IUPUI alumnus with dual degrees in computer science and Japanese, Joe has been associated with University Library for a number of years prior to joining the CRL. We were impressed with Joe's multiple talents in both technical and creative areas and look forward to the contributions he will make to serving students engaged in undergraduate research and to fostering the mission of the Office of the Vice Chancellor for Research.

with University Library for a number of years before joining the CRL.



Commander Ron Hicks presenting the 2012 Award of Appreciation for Excellence in Citizen Involvement to Carolyn Key

Congratulations to Carolyn Key!

At the February IMPD Southeast District Police-Community Task Force meeting, which happened to fall on Valentine's Day, then-Commander Ronald W. Hicks, now Assistant Chief of Police, recognized the individual who was the real impetus behind the monies collected in a patrol-bicycles fund drive. Carolyn G. Key, M.A., of the North Square Neighborhood Association, spearheaded the campaign. Going above and beyond the call of duty, she raised over \$2,600.00 to refurbish, and purchase equipment for, police bicycles used by the IMPD Metro Southeast District. The district's bike-unit officers are out riding them regularly. Working closely with Lieutenant Donald A. Bender, she devoted ten or more hours per week to the project over a period of six months, amounting to on the order of at least two hundred sixty hours' volunteer work. Commander Hicks presented Ms. Key with a beautiful plaque for the 2012 Award of Appreciation for Excellence in Citizen Involvement, recognizing her for her commitment to the North Square Neighborhood, the Indianapolis Metropolitan Police Department, and the citizens of Indianapolis and for her extensive work, dedication, and support. Commander Hicks stated that Metro Southeast District was very grateful for Carolyn's efforts and could not have done it without her.

» **For more information about our staff, click here>>**