IU-CAR Investigators Receive National Institute on Aging Career Awards

Indiana University Center for Aging Research scientists Michael LaMantia, MD, MPH, and Noll L. Campbell, PharmD, have each received five-year Mentored Patient-Oriented Research Career Development K23 Awards from the National Institute on Aging at the National Institutes of Health.

Dr. LaMantia is an assistant professor of medicine at the IU School of Medicine. His K23 award supports a project titled "DEEDS: Delirium Evaluation in the Emergency Department for Seniors."

Delirium affects approximately 10 percent of older adults who seek care in the emergency department, yet it is unrecognized in the majority of cases. To improve the care and management of older adults with delirium, it is critical to understand the dynamics that affect delirium recognition by emergency service providers. The goal of Dr. LaMantia’s research is to determine the factors that influence delirium recognition and to discern those approaches to delirium assessment that are most associated with its identification. Dr. LaMantia reviewed the problem in a study published earlier this year in the Annals of Emergency Medicine.

Dr. LaMantia’s K23 mentors are Chris Callahan, MD, Dan Clark, PhD, and Su Gao, PhD.

Dr. Campbell is a research assistant professor in the Purdue University College of Pharmacy and a clinical pharmacy specialist in geriatrics with Eskenazi Health. His K23 career development award supports a project titled “Evaluating the Adverse Cognitive Effects of Medications.”

This work continues his research into the role common medications play on cognition in older adults. A 2013 study by Dr. Campbell found that using anticholinergics -- which block the neurotransmitter acetylcholine -- for as few as 60 days causes memory problems in older adults. This award will further investigate the impact anticholinergics have on cognition and will also study the impact of statins and antihistamines.

Dr. Campbell’s mentor team includes Malaz Boustani, MD, MPH, Michael Murray, PharmD, PhD, Su Gao, PhD, and Fred Unverzagt, PhD. They represent, respectively, expertise in aging brain health services research, pharmacoepidemiology, biostatistics and epidemiology and neuropsychology.

In addition to an affiliation with the IU Center for Aging Research, Dr. Campbell and Dr. LaMantia are research scientists at the Regenstrief Institute.

Eskenazi Health’s ABC Medical Home Receives National Gage Award

America’s Essential Hospitals has recognized Eskenazi Health’s Aging Brain Care Medical Home program for its work to reduce symptoms of depression and behavioral and psychological symptoms of dementia in its patient population. The association presented a 2014 Gage Award for Population Health to the program in June at its annual conference, VITAL2014, in San Antonio.

ABC Medical Home Director Michael LaMantia, MD, MPH accepted the award. Cathy Alder, MSW, LSW, JD, the chief administrator for Aging Brain Care, also attended the event.

The Gage Award for Population Health recognizes activities that have improved delivery, access, or value for specific populations in the recipient’s community and, as a result, have improved health outcomes.

Eskenazi Health created its Aging Brain Care Medical Home program in collaboration with scientists at the Indiana University Center for Aging Research. After one year, 60 percent of patients with high depression scores had at least a 50-percent reduction in their depressive symptoms, while 47 percent of patients had at least a 50-percent reduction in their behavioral and psychological symptoms of dementia.

America’s Essential Hospitals, formerly the National Association of Public Hospitals and Health Systems, is the leading association and champion for hospitals and health systems dedicated to high-quality care for all, including the most vulnerable. Since 1981, America’s Essential Hospitals has initiated, advanced, and preserved programs and policies that help these hospitals ensure access to care.

Watch news about the Gage Award and the ABC Medical Home at https://www.youtube.com/watch?v=34Epq4K2u2k&index=6&list=PLC3uOjwmHMxqvUF CERhnveKniJ0YDB1n
Who’s in the NEWS?

INScope’s Faculty and Staff Spotlights features Q-and-A with Dr. NiCole Keith
June 19, 2014 - NiCole R. Keith, PhD, a scientist with the IU Center for Aging Research and investigator with the Regenstrief Institute, was recently elected to a two-year term as vice president of the American College of Sports Medicine. A longtime member of the ACSM, Dr. Keith directs the organization’s Leadership and Diversity Training Program and has been an ACSM fellow since 2007.

Dr. Keith is also a founder of Physically Active Residential Communities and Schools, a collaborative effort between Eskenazi Health, the School of Physical Education and Tourism Management at IUPUI, the Chase Near Eastside Legacy Center and the Indianapolis Public Schools.

In the Q-and-A format, Dr. Keith answers questions such as How did you get into the field of physical activity research? What is the focus of your work? How is the country’s lack of physical activity impacting health?

IUPUI Newsroom: Researcher at IUPUI develops workout program to help keep older adults in their homes
June 3, 2014 - A decline in muscle strength due to age and sedentary lifestyle is usually what undermines older adults' ability to live independently. Having to depend on others to complete self-care tasks places these individuals at risk for placement in a nursing home, says Chiung-Ju Liu, PhD, an assistant professor of Occupational Therapy in the IU School of Health and Rehabilitation Science at Indiana University-Purdue University Indianapolis.

Liu designed a 10-week ”3-Step Workout for Life” exercise program to help older adults regain their muscle strength and maintain independence. Liu and Dan Clark, PhD, from the IU Center for Aging Research, are testing the feasibility of the program with funding from the IU Roybal Center for Translational Research and the Retirement Research Foundation.
Read more at http://news.iupui.edu/releases/2014/05/lates-life-disability.shtml

Presentations and Professional Activities

Chris Callahan, MD represented the Aging Brain group in Washington DC at a briefing organized in April by the journal Health Affairs.

He presented the core features of common models of care for dementia and introduced the OPTIMISTIC and ABC Medical Home which are ongoing Centers for Medicare and Medicaid Innovation projects at the IU Center for Aging Research.

Former IUSM faculty member Dustin French, PhD, also presented data from the ABC Medical Home economic analysis. There were about fifteen 5-minute presentations from each of the papers included in a special edition of Health Affairs on Alzheimer's disease.

The podcast and slides from the presentations are available at http://www.healthaffairs.org/events/2014_04_09_alzheimers/

Noll Campbell, Pharm D, Michael LaMantia, MD, MPH, Babar Khan, MD, MS and Malaz Boustani, MD, MPH attended the 4th Annual Meeting of the American Delirium Society which was held in June in Baltimore.

Dr. Campbell co-chaired a plenary session on Brain Injury: Local and Systemic Considerations. He chairs the ADS Research Committee whose members include Drs. LaMantia, Khan, and Boustani. Dr. Campbell and Dr. Boustani are also members of the ADS Board of Directors.

Dr. Khan was a course director for the pre-conference workshop, ICU Delirium: An Old Syndrome with New Solutions. He presented Society of Critical Care Medicine's 2013 Guidelines on Pain, Agitation, and Delirium in the ICU—What You Need to Know. He was a session co-chair on Risk Factors and Pathogenesis of Delirium.

Dr. LaMantia co-chaired the scientific session, Delirium Assessment and Outcomes.
Professional Activities
Steve Counsell, MD, was quoted in a May USA Today report, “Exercise program keeps older adults on their feet.” The article referenced research published in JAMA, “Effect of Structured Physical Activity on Prevention of Major Mobility Disability in Older Adults: The LIFE Study Randomized Clinical Trial.”

Hugh Hendrie, MB, ChB, DSc, presented “Hypertension: Cognitive decline and optimal cognitive performance. An international perspective” in May at the Neuroscience Grand Rounds sponsored by the departments of neurological surgery, neurology, physical medicine & rehabilitation and psychiatry.

NiCole Keith, PhD, represented a diverse group of Indianapolis leaders and physical fitness advocates who shared their vision for a healthier Indianapolis community and country with Acting US Surgeon General Rear Admiral Boris D. Lushniak, MD, MPH on June 17. The US Department of Health and Human Services’ Office of the Surgeon General is working to promote walking and other forms of active transportation through Every Body Walk! Initiative.

Publications


