



INDIANA UNIVERSITY

Weekly news for faculty, staff and students  
from [Indiana University School of Medicine](#)

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August 17, 2017

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Biostatistics Walk-In Clinic

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## Pulmonary Research Conference, W. Graham Carlos III, MD

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[View more events »](#)

### Top News

#### IU Health and IU reveal design of new Regional Academic Health Center

The IU Board of Trustees this week approved finalized site plans and the exterior design for a new Regional Academic Health Center in Bloomington. The complex will house Indiana University Health Bloomington inpatient and outpatient services, as well as an academic facility to be used for health sciences education and research at IU.

Read more at [News at IU Bloomington](#).

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#### Volunteer to participate on a Wellness Task Force working team

Maybe you've been stressed and want to help your peers avoid a similar crisis. Maybe you're looking for a concrete way to contribute to the well-being of the IU School of Medicine community. Or, maybe you're brimming with ideas about ways to improve life for medical students, faculty members and others.

Here's your opportunity to make a difference: Join one of nine Wellness Task Force working teams that will be identifying ways to promote wellness throughout the school. The goal is to make system-level changes, and create opportunities and space for people to be able to focus on lifestyle, wellness and health behaviors.

"Students have told us that they need support from the school to be able to maintain their individual wellness," said Emily Walvoord, MD, associate dean of student affairs and co-chair of the nine-member Wellness Task Force planning committee. "We also know that all learners and faculty likewise need to know the school is in their corner in truly supporting their well-being."

The planning committee identified the focus of the nine working teams. Three will look for ways to improve the school's clinical, research and education systems:

Clinical working team: identify ways to improve work processes for physicians and caregivers by, for example, reducing the burden of electronic medical records, improving team-based care and moving toward population health management.

Research working team: look for ways to reduce stress created when

researchers must compete for grant funding.

Education team: address issues that affect learners.

Six additional working teams will focus on matters that affect individuals: mental health, spiritual health, physical health, cognitive/intellectual health, financial health and social health.

If you're interested in joining a working team, contact [Dr. Walvoord](#); [Kevin Gebke](#), MD, chairman of the Department of Family Medicine and the planning committee's co-chair; or [Lindsay Treadway](#), program manager in the dean's office.

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## Research News

### Precision medicine opens the door to scientific wellness preventive approaches to suicide

Researchers have developed a more precise way of diagnosing suicide risk by developing blood tests that work in everybody, as well as more personalized blood tests for different subtypes of suicidality that they have newly identified and for different psychiatric high-risk groups.

The research team, led by scientists at IU School of Medicine, also showed how two apps--one based on a suicide risk checklist and the other on a scale for measuring feelings of anxiety and depression--work along with the blood tests to enhance the precision of tests and to suggest lifestyle, psychotherapeutic and other interventions. Lastly, they identified a series of medications and natural substances that could be developed for preventing suicide.

"Our work provides a basis for precision medicine and scientific wellness preventive approaches," said [Alexander B. Niculescu III](#), MD, PhD, professor of psychiatry and medical neuroscience at IU School of Medicine and attending psychiatrist and research and development investigator at the Richard L. Roudebush Veterans Affairs Medical Center.

The article, "Precision medicine for suicidality: from universality to subtypes and personalization," appears in the Aug. 15 online edition of the Nature Publishing Group's leading journal in psychiatry, *Molecular Psychiatry*.

For more on this research, visit the [IU School of Medicine Newsroom](#).

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### July research awards total over \$6 million



Investigator	Sponsor	Type	Project Title	Begin Date	End Date
Nathan J. Alves	Grace M. Showalter Trust	New	Determining Clinical Fibrinolytic State: Steps toward a Synthetic Human Blood Clot	7/1/2017	6/30/2018
Richard Dahl	Grace M. Showalter Trust	New	MicroRNA Regulation of Immune Cell Polarization in Ovarian Tumors	7/1/2017	6/30/2018
Scheel Molly Duman	U.S. Department Of Defense	New	Dual action larvicidal/adulticidal siRNA insecticides for biorational mosquito control	7/11/2017	7/11/2018
Scheel Molly Duman	U.S. Department Of Defense	New	Effective Interfering RNA Lure and Kill Baited Ovitrap for Biorational Aedes Zika Vector Mosquito Control	7/1/2017	6/30/2018
Tatiana M. Foroud	National Institute On Alcohol Abuse And Alcoholism	New	Dissecting the genetic contributions to fetal alcohol spectrum disorders	7/1/2017	5/31/2018
Xiang Gao	Grace M. Showalter Trust	New	Promoting post-trauma outcomes by preventing synaptic degeneration after repetitive mild traumatic brain injury	7/1/2017	6/30/2018
Heidi J. Gibbs	U.S. Department Of Veterans Affairs	Renewal (not prev committed)	Sharon Henson VA-IPA	7/1/2017	6/30/2018
Shaun J Grannis	Agency For Healthcare Research And Quality	New	Enhancing Patient Matching in Support of Operational Health Information Exchange	7/1/2017	4/30/2018
David Sullivan Hains	Nationwide Children's Hospital	New	Transcriptional profiling of in vitro and in vivo derived human kidney	6/5/2017	6/30/2018

			tissue use		
Michael H. Heit	Medstar Health Research Institute	New	STOMP: Sexual function Trial of Overactive bladder: Medication versus PTNS	7/17/2017	12/30
Jaeyeon Kim	Grace M. Showalter Trust	New	Tumor suppressive and promoting roles of DICER in ovarian cancer	7/1/2017	6/30/2
Yukiko Kitase	Grace M. Showalter Trust	New	The role of G-protein coupled receptor, MRGPRD and autophagy in osteocyte viability to maintain skeletal homeostasis under disuse	7/1/2017	6/30/2
Kirsten M. Kloepper	Grace M. Showalter Trust	New	The Infant Airway Microbiome and Airway Development	7/1/2017	6/30/2
Richard J. Kovacs	Brigham And Women's Hospital	New	INfluenza Vaccine to Effectively Stop Cardio Thoracic Events and Decompensated heart failure (INVESTED)	2/1/2017	1/31/2
Gary Eugene Landreth	National Institute On Aging	New	Actions of Nuclear Receptors on TREM2+ myeloid cells and microglia in AD brain	7/1/2017	3/31/2
Suthat Liangpunsakul	Grace M. Showalter Trust	New	Showalter Scholar - Suthat Liangpunsakul	7/1/2017	6/30/2
Patrick J. Loehrer	Walther Cancer Foundation, Inc.	New	Center Directors Developmental Funds Award	7/1/2017	6/30/2
Peilin Ma	Grace M. Showalter Trust	New	Cooperation between FLT-ITD and HoxA9 in Acute Myeloid Leukemia	7/1/2017	6/30/2
Todd Owen	Johns	New	The Major	4/1/2017	9/29/2

McKinley	Hopkins University		Extremity Trauma and Rehabilitation Research Consortium		
R. Michael Meneghini	Tennessee Tech University	New	Self-Powered in Vivo Force and Implant Wear Sensing in Knee Arthroplasty	5/12/2017	8/31/2017
Sumegha Mitra	Grace M. Showalter Trust	New	UCHL1 is a Novel Mediator of High-Grade Serous Ovarian Cancer Metastatic Progression and Prognosis	7/1/2017	6/30/2017
Jean P Molleston	Cystic Fibrosis Foundation	New	Cystic Fibrosis Foundation First Year Clinic Fellowship	7/1/2017	6/30/2017
David L. Morris	Grace M. Showalter Trust	New	Dysregulation of Pancreatic Beta Cell Function by Neutrophil Elastase	7/1/2017	6/30/2017
Kwangsik Nho	National Library Of Medicine	New	Integrating Neuroimaging, Multi-omics, and Clinical Data in Complex Disease	7/1/2017	4/30/2017
Bert Howard O'Neil	University Of North Carolina At Chapel Hill	New	Tumor subtypes and therapy response in pancreatic cancer	8/1/2016	7/30/2017
Brandon Oberlin	National Institute On Alcohol Abuse And Alcoholism	New	Neural bases of alcohol-related decision-making	7/20/2017	6/30/2017
Lakshmi Reddy Palam	Grace M. Showalter Trust	New	PI3K signaling in JAK2V617F induced myeloproliferative neoplasms	7/1/2017	6/30/2017
Frances M. Russell	Grace M. Showalter Trust	New	Implementation of a Novel Clinical Pathway to Improve Outcomes in Emergency Department	7/1/2017	6/30/2017

			Patients with Right Ventricular Dysfunction		
Todd C. Skaar	Grace M. Showalter Trust	New	Showalter Scholar - Todd Skaar	7/1/2017	6/30/2018
William J. Sullivan	Grace M. Showalter Trust	Renewal (not prev committed)	Disrupting RNA modification as a novel treatment for parasitic infection	7/1/2017	6/30/2018
Amy C. Wilson	Children's Hospital Of Philadelphia	New	The Child-Centered Outcomes in Practice and Research (COPR) Center of Excellence: Strengthening the Clinical Validity Evidence Base for PROMIS Measures in Chronically Ill Children	9/30/2015	9/29/2018
Hamideh Zarrinmayeh	Grace M. Showalter Trust	New	Development and Characterization of Novel Fluorinated Antagonists of the P2X7 Receptor Biomarker for Early Evaluation of Neuroinflammation	7/1/2017	6/30/2018
Chi Zhang	Grace M. Showalter Trust	New	Comprehensive identification of the functional impacts led by individual and collective effects of gene mutations in acute myeloid leukemia	7/1/2017	6/30/2018
Jian-Ting Zhang	National Cancer Institute	New	Molecular targeting the translational control axis in Wnt/catenin signaling pathway	8/1/2017	7/31/2018

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Faculty and Staff News



## Add your name to IU Experts database

Are you interested in sharing your expertise with the media and general public? The IU Experts database will allow members of the media and public to more efficiently connect with subject-matter experts across the university.

The database is designed to enable all IU faculty and staff to offer their knowledge and expertise to the public, and will be particularly helpful to members of the news media who need to quickly and accurately identify IU School of Medicine experts when working on breaking news stories.

All are invited and encouraged to participate in the IU Experts database. You can do so by completing the brief [IU Expert form](#).

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## Bull awarded prestigious C. Everett Koop Medal of Distinction

Marilyn Bull, MD, professor of clinical pediatrics, was recognized with the C. Everett Koop Medal of Distinction for her outstanding work in preventing childhood injuries. The award, which recognizes the person who embodies Dr. Koop's legacy of fighting for all families and children no matter where they live, was presented by Safe Kids Worldwide at its International Childhood Injury Prevention Convention last month. Dr. Bull was selected from nominees from more than 400 communities across the U.S. and 30 Safe Kids network countries around the world.

Safe Kids was founded by Dr. Koop, former U.S. surgeon general.

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## Workshop for providers focuses on working with LGBTQ patients

The IU School of Medicine Office of Diversity Affairs is offering a new training workshop highlighting practical information about working with LGBTQ patients. Designed for health care providers, the training covers topics such as terminology and definitions, culturally sensitive interviewing skills, best practice methods for collecting gender identity and sexual orientation data and for obtaining necessary health information, and other unique health care considerations when working with this population.

This 90-minute workshop, available to departments and residency programs, provides an opportunity for participants to learn in a collegial environment. To schedule a workshop, contact the Office of Diversity Affairs at 317-274-1939 or [IUSMdiv@iupui.edu](mailto:IUSMdiv@iupui.edu).

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## Student News

### Mental health services team offers support

The start of medical school is an exciting time for all incoming students. At the same time, there can be uncertainty and stress. In this [Student Life blog post](#), Jessica Fultz, therapist and program manager, introduces the IU School of Medicine Mental Health Services Team and support services offered for managing stress, preventing burnout and coping with other mental health concerns.

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### Student-led art therapy project aids Evansville youth

The Juvenile Art Therapy Project, started by students in the Class of 2021, provides a therapeutic and mentoring resource for children and young adults who have struggled with poor decisions. Learn more in this [blog post](#) about how weekly sessions at Evansville's Youth Care Center help area youth and provide interprofessional learning opportunities for medical, physician assistant and nursing students in the area.

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## Opportunities

### Predoctoral, postdoctoral neurodegeneration research fellowships available

The Stark Neurosciences Research Institute and the Indiana Clinical and Translational Sciences Institute (CTSI) seek applicants for special predoctoral and postdoctoral training fellowships in translational neurodegenerative disease research. Applicants whose research focuses on age-related neurodegeneration, including Alzheimer's disease, Parkinson's disease, amyotrophic lateral sclerosis, chronic traumatic encephalopathy and others, are encouraged to apply.

Program and application details are available at [indianactsi.org](http://indianactsi.org). Letters of intent for both fellowship programs are due Thursday, Aug. 31, and the application submission deadline is Monday, Sept. 18. Questions? Email [icreate@iu.edu](mailto:icreate@iu.edu) or call 317-278-2822.

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### Spinal cord and brain injury program provides research funding

Applications are now being accepted for the Indiana Traumatic Spinal Cord and Brain

Injury Research Activity-Based Program. The program's objective is to foster and encourage activity-based therapy programs for the prevention, treatment and cure of spinal cord and traumatic brain injuries, including acute management, medical complications, rehabilitative techniques and neuronal recovery. The initiative for funding activity-based therapy programs consists of two mechanisms:

RFA for programs providing rehabilitative clinical care and employing "activity-based" approaches for traumatic spinal cord-injury persons.

RFA for programs providing rehabilitative clinical care and employing "activity-based" approaches for traumatic brain-injury persons.

**Applications for each** RFA may be submitted for up to a maximum requested amount of \$150,000 for the total duration of the project. Application deadline is Friday, Sept. 29. With questions, email [icreate@iu.edu](mailto:icreate@iu.edu) or call 317-278-2822.

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## Research Enhancement Grant deadline is Sept. 1

The IU School of Medicine Research Enhancement Program is designed to stimulate research productivity at the statewide Centers for Medical Education including the Bloomington Medical Sciences Program. All full-time Center/Medical Sciences faculty, regardless of tenure status, having an appointment of assistant/associate/full professor or assistant/associate/full scientist at the time of submission, are eligible to apply for a Research Enhancement Grant. Primary appointment must be in the IU School of Medicine. Faculty in visiting ranks are not eligible for funding through this mechanism.

**Application** deadline is Friday, Sept. 1. Questions? Email Zulymar Jimenez, sponsored programs manager, at [zjimenez@iu.edu](mailto:zjimenez@iu.edu).

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## Apply for Biomedical Research Grant by Sept. 1

The Biomedical Research Grant program is open to all IU School of Medicine faculty who are full-time, regardless of tenure status, and have an appointment of assistant/associate/full professor and assistant/associate/full scientist. In general, two categories of research projects will benefit from this program:

research projects of investigators new to the school who do not yet have extramural funding and need support to acquire the preliminary data necessary to compete for extramural funding

research projects of established IU School of Medicine investigators who are between funding periods from extramural sources.

**Application** deadline is Friday, Sept. 1. Contact Zulymar Jimenez, sponsored programs

manager, at [zjimenez@iu.edu](mailto:zjimenez@iu.edu) with questions.

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## Scaffold-free biofabrication is topic of Sept. 15 symposium

Plan to attend a symposium, "Progress in Scaffold-Free Biofabrication," hosted by IUPUI and Johns Hopkins University on Friday, Sept. 15, in the auditorium of Walther Hall (R3 Research Building).

Researchers at Indiana University and Johns Hopkins are the first in the United States to have direct access to a new type of 3D bioprinting, based on an innovative technology to create living tissues from cellular spheroids, now for use in their research laboratories and potentially for use in humans.

The event, which is part of the second annual 3D Bioprinting Core open house, will feature both the Regenova Bio 3D-Printer by Cyfuse Biomedical and the IncuCyte ZOOM by Essen Bioscience automatic fluorescent microscope for spheroids analysis.

For more information and to register, visit the [event registration page](#).

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## Alzheimer's Disease caregiver symposium is Sept. 22

The Indiana Alzheimer Disease Center is hosting the 11<sup>th</sup> annual Martin Family AD Caregiver Symposium on Friday, Sept. 22. The event is designed to provide updates and information for research participants, families and professional caregivers regarding the *Transitions in Care* faced by so many coping with Alzheimer's Disease. While the symposium is offered free of charge, [registration](#) is required. Information about exhibitor opportunities also is available on the website.

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## Partner News

### New date for All-Provider Networking Event is Nov. 13

The IU Health Physicians All-Provider Networking Event originally scheduled for September has been rescheduled on Monday, Nov. 13, from 5:30-7:30 pm at the Indianapolis Scottish Rite Cathedral. It's an informal opportunity for physicians, advanced practice providers and IU Health executives to meet and mingle. Email invitations and save the date cards will arrive soon.

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