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Annual meeting - Watanabe prize winner. Poster presentation opportunity

Sept. 11, 2015 - PRE-REGISTRATION IS NOW CLOSED

You can register onsite at the meeting or [CLICK HERE](#) to access a live video stream of the meeting.

Indiana CTSI 7th Annual Meeting and Watanabe Prize Lecture

Please join us on **Friday, Sept. 11, 2015** for the seventh annual meeting of the Indiana Clinical and Translational Sciences Institute and awarding of the second Watanabe Prize in Translational Research. This meeting will be held at [Hine Hall](#) on the IUPUI campus in Indianapolis from 8:00 AM to 3:00 PM.

This year's Watanabe Prize winner and the meeting's keynote speaker will be Carl H. June, M.D., the Richard W. Vague Professor in Immunotherapy and Director of the Center for Cellular Immunotherapies in the Perelman School of Medicine at the University of Pennsylvania. Dr. June is an internationally recognized translational researcher and clinician who has led the development and testing of novel forms of immunotherapy in cancer and chronic infections, making seminal contributions in determining mechanisms of lymphocyte activation.

The Watanabe Prize in Translational Research presented by the Indiana CTSI and the IU School of Medicine recognizes a member of the scientific or medical community who has achieved outstanding accomplishments in translational research. As the recipient, Dr. June will spend several days in Indiana to share his knowledge with audiences at the IU School of Medicine and partner institutions. The Indiana CTSI annual meeting will also highlight two outstanding young investigators named **Watanabe Translational Scholars**. They will present a brief overview of their research during the event and will be mentored by Dr. June over the next two years.

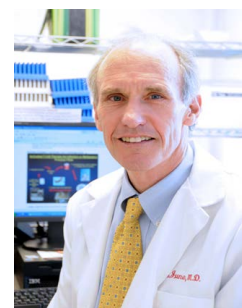
Please [CLICK HERE](#) to access a draft of the full agenda.

The Indiana CTSI will also host a poster session as part of the 2015 annual meeting. The poster session is open to Indiana CTSI trainees (KL2, TL1), Indiana CTSI supported researchers, Indiana CTSI program services, Indiana CTSI program partnerships, and others. **There will be Best Poster prizes for trainees and investigator categories.**

Also, the inaugural IU School of Medicine Research Rally will be held in conjunction with the Indiana CTSI Annual Meeting. The Research Rally, a showcase of core services available on campus to assist investigators, boasts a field of eleven support cores prepared to speed the course of your research projects. Attendees who have their rally logbook stamped at all eleven checkpoints will be eligible for a chance to win a Kindle Fire HDX 7". Don't pass up this opportunity to interact with scientific service cores ready to drive your research forward!

Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Indiana University School of Medicine and Indiana Clinical and Translational



Carl H. June, MD

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Sciences Institute. The Indiana University School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

Designation Statement

Indiana University School of Medicine designates this live activity for a maximum of 3.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Faculty Disclosure Statement

In accordance with the Accreditation Council for Continuing Medical Education (ACCME) Standards for Commercial Support, educational programs sponsored by Indiana University School of Medicine (IUSM) must demonstrate balance, independence, objectivity, and scientific rigor. All faculty, authors, editors, and planning committee members participating in an IUSM-sponsored activity are required to disclose any **relevant financial interest or other relationship** with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services that are discussed in an educational activity.

Note

While it offers CME, this activity is not intended to provide extensive training or certification in the field.

Questions to info@indianactsi.org.

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Purdue Professor's Speech Therapy Apps Recognized by the Autism Society

July 23, 2015

Purdue University assistant professor Oliver Wendt recently received the Autism Society's "2015 Outstanding Research of the Year" award for two apps he developed to enhance speech and language skills in autistic children.

Wendt has more than 20 years of experience working with augmentative and alternative communication interventions for individuals diagnosed with autism, and has researched a vast range of interventions to improve speech and language skills of minimally verbal individuals.

Through his research and work, Wendt developed two augmentative and alternative communication therapy apps, SPEAKall!® and SPEAKmore!®. Both apps were commercialized and taken to market by SPEAK MODalities LLC, a company that found its roots in [Purdue's 2014 Startup Class](#) -- and for which Wendt is the co-founder and chief science officer.

SPEAKall!® helps children throughout the autism spectrum communicate by using graphics and symbols, while also enhancing natural speech abilities. Its partner app, SPEAKmore!® focuses on broadening vocabulary and improving generative language. Of nearly 2 million children diagnosed with autism, it's estimated that almost 66 percent are initially minimally verbal and do not develop sufficient speech and language skills to meet the most basic daily communication needs.

Since launching through iTunes in 2014, SPEAKall!® has been used by more than 12 universities and autism clinics around the world, with almost 30,000 total downloads.

Wendt received the award on July 11 at the Autism Society National Conference in Denver, Colorado. This award, given annually, recognizes individuals or organizations that advance applied research tactics in the autism community - and ultimately better the lives of children and families who are affected by autism.

"I am very honored to be chosen for this prestigious award from the Autism Society," Wendt said. "Research and development in the field of nonverbal autism serves a critical need for thousands of children and families and receiving this award during this conference enables us to reach out to the larger autism community."

"We are proud to recognize Dr. Wendt for his work with augmentative and alternative communication interventions and efforts to enhance language skills of children on the autism spectrum," said Scott Badesch, Autism Society president and CEO. "The 2015 Autism Society Award winners represent the best in volunteerism, philanthropy, advocacy, research and education our community has to offer."

In 2014, SPEAK MODalities won the International GAIN-TEN Business Pitch challenge, an award given to startups that show promise of effecting change on both sides of the Atlantic. More recently, SPEAK MODalities received the [2015 Best of Education Tech Award](#) from the TechPoint Initiative.

[Watch this video](#) to see how SPEAK MODalities technology changes the lives of children and families. Visit [Purdue's Engineering Projects in Community Service \(EPICS\)](#) to learn more about how Purdue students and faculty are translating their work into real-world application and improving the communities in which they serve.

About the Autism Society

[The Autism Society](#) is a renowned source of information and advocacy that offers a nationwide support network for autism communities. Through its 50



Oliver Wendt, at right, assists Steve Rettig of Lafayette, Indiana, and his son, Stevie, with using SPEAKall!® and SPEAKmore!® Both are iPad applications that help families dealing with nonverbal autism improve communication. Wendt, a Purdue assistant professor of speech, language and hearing sciences, co-founded SPEAKMODalities LLC to commercialize advanced versions of the technology. (Purdue Research Foundation photo)

years of knowledge, experience and growth, the Autism Society aims to provide a trustworthy, caring and respectful team of people who improve lives of individuals on the autism spectrum.

About SPEAK MODalities LLC

[SPEAK MODalities](#) formed in 2014 and obtained exclusive licensing to SPEAKall!® and SPEAKmore!® technologies from the Purdue Office of Technology Commercialization. SPEAKall!® was first released for commercial use in 2014. The mission of SPEAK MODalities is to expand the reach of all subsequent SPEAKall!® products to further enable children with significant communication disorders to develop stronger language and speech skills.

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Indiana Hemorrhagic Stroke Meeting explores new surgical options

INDIANAPOLIS -- A broad spectrum of health care professionals gathered in Indianapolis June 30 at the inaugural Indiana Hemorrhagic Stroke Meeting sponsored by the Indiana CTSI to learn about the latest opportunities for treating intracerebral hemorrhage.

The meeting brought together neurosurgeons, neurologists, stroke specialists, nurses, stroke care support teams and chief medical officers who discussed recent clinical evidence indicating that early surgical intervention of intracerebral hemorrhage -- also called hemorrhagic stroke -- using new access technology can mitigate brain injury and result in a faster, more complete recovery. This offers new hope for hemorrhagic stroke patients who may have had no surgical options before.

"What we are seeing in the peer-reviewed clinical evidence is truly groundbreaking for the appropriate patients who had very little to be optimistic about before when suffering a hemorrhagic stroke," said Anantha Shekhar, M.D., Ph.D., director of the Indiana Clinical and Translation Sciences Institute (Indiana CTSI). "Bringing together these well-respected thought leaders from across the spectrum of neurology, neurosurgical and neuro critical care and sharing our experiences with the goal of impacting clinical outcomes of this disease is a unique effort and a monumental step in the right direction."

Five health care organizations supported the educational event, including Indiana CTSI, Eskenazi Health, St. Vincent Neuroscience Institute, Franciscan St. Francis Health and Goodman Campbell Brain and Spine. Speaking at the event was a multi-disciplinary team that included Mitesh Shah, M.D., president of Goodman Campbell Brain and Spine; Ronald Young, M.D., neurosurgeon, and Jeffrey Hilburn, M.D., neurologist, both from St. Vincent Indianapolis Hospital; Mohamed Labib, MD, neurosurgeon from Aurora Health Care; and Jonathan Ratcliff, assistant professor of emergency medicine and neurology at Emory University School of Medicine in Atlanta.

More than 100,000 hemorrhagic strokes occur each year in the United States. It is the deadliest class of stroke, with an early mortality rate of 32 to 50 percent. Despite the severity of hemorrhagic strokes, 95 percent of cases are medically managed, meaning patients are provided medications to reduce swelling or minimize the bleed. A surgical approach has not been a viable option due to associated risks with that particular type of bleed. For that reason, 80 percent of those who survive medical management of the bleed are left significantly disabled in speech, motor skills and cognitive functions.

The Indiana Hemorrhagic Stroke Meeting provided a look at peer-reviewed evidence and in-depth education on the new concepts, technologies and techniques for operating on hemorrhagic stroke that are being successfully implemented throughout the country. The meeting identified major advances in recent research and technology in hemorrhagic stroke care and provided an overview of the fundamentals involved with these new approaches. A hands-on lab showcasing novel technologies featured a live demonstration of the new approach for intracerebral clot evacuation using access technology called the NICO BrainPath.

The patented NICO BrainPath technology enables a transsulcal surgical approach to access the brain through an opening smaller than a dime. The integrated approach using BrainPath is designed to minimize damage to surrounding tissue. More than 200 neurosurgeons are now trained on this integrated approach using BrainPath at more than 53 hospitals across the country. More than 1,600 BrainPath procedures have been performed to date. To learn more about BrainPath, visit www.NICOneuro.com.

Recently published clinical data on utilization of the BrainPath for ICH can be found here: [International Stroke Conference Study Results](#)



Mitesh V. Shah, MD

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CHEP + Indiana State Department of Health Partner to Double Funding for Community-Based Research Pilot Projects

July 28, 2015

The Indiana State Department of Health (ISDH) will match funding for the Community Health Engagement Program's (CHEP) 2015 community-based research pilot projects - increasing the amount awarded from \$100,000 to \$200,000 - with the potential to fund twice as many projects as a result.

For the last four years, CHEP has provided funding for up to four community-based research pilot projects at roughly \$25,000 each, through funding support from the Indiana Clinical and Translational Sciences Institute (Indiana CTSI). This year, through matched funds from ISDH, CHEP will be able to fund up to 8 projects, depending on the number and quality of applications received.

CHEP's mission is to improve the health of Indiana residents through community-university partnerships. How does that look in practice?

In practice, CHEP aims to establish successful, long-term partnerships with health focused organizations from communities and universities throughout Indiana, like ISDH, in order to more easily and effectively move the dial towards improved health outcomes. CHEP also believes these partnerships can improve the dissemination of research findings to local communities to improve the lives of citizens all over the state. This latest partnership with ISDH could open a lot of doors and advance the overall mission.

"CHEP is so privileged to work closely with agencies such as ISDH," said Sarah Wiehe, Program Director for CHEP. "Our partnership with ISDH represents not only our close ties, but also the shared vision of our agencies. Through stronger community and university partnerships, we can improve health outcomes in Indiana."

Every other year, CHEP funds pilot projects that meet an identified set of community health initiatives. This year, the focus areas are immunizations, infant mortality, obesity and tobacco cessation. These four focus areas were purposefully chosen to align with [the ISDH's core mission](#) with the hope that a targeted and collaborative approach to improving health would result in greater impact.

With this ISDH partnership comes the hope for many more like it in the future -- and further support for the projects, research initiatives and leaders that improve the lives of Indiana citizens.

To learn more about CHEP, visit www.indianactsi.org/chep.

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A previous CHEP funded pilot project in action

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Barnett named Chief Research Informatics Officer for Indiana CTSI and Regenstrief Institute

William K. Barnett, Ph.D., a longtime information technologies leader at Indiana University, has been named Chief Research Informatics Officer, a newly established joint position within the Indiana Clinical and Translational Sciences Institute (Indiana CTSI) and the Regenstrief Institute

With the goal of integrating and advancing the two organizations' research informatics efforts, Barnett will lead the development of information technology strategies to support research and the design of infrastructures for the acquisition, management and analysis of research data.

"Institutions like ours are grappling with the challenges of improving healthcare that depend on working with information in new ways and at new scales. I'm excited to be a part of this challenge and to have strong partners that will keep us at the forefront of this rapidly changing and promising endeavor," said Dr. Barnett.

"With Dr. Barnett joining us, we will take a huge step forward in leveraging informatics for clinical and translational research. In the end, we are focused on only one thing: How can we improve the health of people in Indiana and beyond?" said Titus Schleyer, Ph.D., D.M.D., director of the Regenstrief Institute's Center for Biomedical Informatics and the Clem McDonald Professor of Biomedical Informatics at Indiana University School of Medicine.

"We are delighted to be able to recruit Dr. Barnett to lead the CRIO initiative. Establishing this office cements an important, and we think unique, partnership between the Indiana CTSI, with its statewide research collaborations, and the applied informatics expertise of the Regenstrief Institute, and will provide a tremendous resource to researchers across Indiana," said Anantha Shekhar, M.D., Ph.D., director of the Indiana CTSI.

In addition to his new position, Dr. Barnett will continue to serve as associate director of the IU Center for Advanced Cybersecurity Research. He will also hold the position of visiting associate research professor of medical and molecular genetics in the IU School of Medicine. He is the former director of the National Center for Genome Analysis Support and of Science Community Tools, both at IU.

"Health care is an information intensive business. The quality and safety of health care depends on the effective and efficient delivery and management of information, and so does health-related research," said William M. Tierney, M.D., president and CEO of the Regenstrief Institute and associate dean of clinical effectiveness research at the IU School of Medicine. "Bill Barnett will help maintain Indiana and the Regenstrief Institute as national leaders in using health information to enhance health care delivery and research."

Before coming to IU in 2007, Barnett served as vice president and chief information officer at the Field Museum in Chicago. He holds an undergraduate degree from the College of William and Mary and a Ph.D. in archeology from Boston University.



William K. Barnett, PhD

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Access Technology Program Updates -- July 2015

July 2015 Indiana CTSI ATP Newsletter

The Center for Genomics and Bioinformatics in Bloomington receives CTSI designation

The Center for Genomics and Bioinformatics (CGB) was created in 2000 by the Office of the Vice Provost for Research (OVPR) and the College of Arts and Sciences at Indiana University. It receives additional support from the School of Informatics and Computing (SOIC), the School of Public Health, the School of Public and Environmental Affairs (SPEA), and IU Medical Sciences. The CGB has also received financial support from Lilly Endowment Inc. awards to Indiana University.

The center's primary missions are to:

- Act as a service facility that provides IU faculty access to genome technologies and bioinformatic support.
- Provide consulting and training that supports the development of genome-enabled research programs and grant proposals.
- Develop new genome technologies and bioinformatics tools that are not easily purchased as a fee for service elsewhere.

The genomics lab is well equipped for experiments involving next-generation sequencing. This includes specialized equipment for the construction of sequencing libraries (e.g., Covaris S220 and E220 sonicators and Beckman Coulter Biomek FXP liquid-handling robots) and sequencing. The Illumina NextSeq500 produces up to 400 million reads (120 Gbases) in approximately 24 hours, whereas the two Illumina MiSeq are ideal for smaller projects (~25 million reads). The center's bioinformatic team is available to participate in all phases of an experiment, from consulting and design to analysis and interpretation. The center performs many types of routine analyses (including RNA-seq, ChIP-seq, Methyl-seq, Tn-Seq, and mutation identification), as well as custom work. Please see the website for a list of services and fees: <http://cgb.indiana.edu/price-list/> or contact the center at admin@cgb.indiana.edu.

Islet core reorganizes with P30 funding for diabetes research center

The former Islet Core has undergone a change in leadership, a new name, and several new services. The core will now be supported by P30 funding from the National Institute of Diabetes and Digestive and Kidney Diseases, which was awarded to establish an Indiana Diabetes Research Center, part of the Center for Diabetes and Metabolic Disorders at IU. As part of this initiative, Carmella Evans-Molina, M.D., Ph.D. will serve as the new director, and Sarah Tersey, Ph.D., will serve as the associate director. The core has been renamed the Islet and Physiology Core, and the menu of offerings has been expanded to include new rodent phenotyping services including glucose and insulin tolerance tests, metabolic cage testing, analysis of body composition, and calculation of beta cell mass with high throughput slide scanning and archiving services.

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Indiana CTSI Open Requests for Applications -- July/August 2015

Several Indiana CTSI-funded programs are accepting applications. They are:

Dr. Charles Fisch Cardiovascular Research Award

Submission deadline: September 1, 2015 Indiana University School of Medicine announces the availability of Dr. Charles Fisch Cardiovascular Research Award to support cardiovascular research for young investigators or more senior investigators, embarking on a new research direction.

Applicants may request up to \$60,000 total, although particularly meritorious proposals that have well-justified budget needs as high as \$100,000 may be considered. Successful proposals will demonstrate scientific merit and a potential for generating extramural funding. In addition, prioritization will be given to those projects that utilize more than one IU Health hospital or facility for leveraging existing patient populations or clinical programs and/or projects that will potentially lead to improvements in the quality of care for IU Health patients. Applicants must have an Indiana University faculty appointment in the Division of Cardiology, Department of Medicine to apply for research program support. Clinical fellows and postdoctoral researchers in the Division of Cardiology may apply for research fellowship support under a faculty member in the Division of Cardiology.

See the [program guidelines](#) for detailed eligibility criteria.

Pilot Funding for Research Use of Core Facilities

Submission deadline: September 30, 2015 The Indiana CTSI Pilot Funding for Research Use of Core Facilities program is intended to promote the use of technologies and expertise afforded by the Indiana CTSI Core Facilities available at all partner institutions. Successful proposals will demonstrate outstanding scientific merit that can be linked to generating extramural funding or novel intellectual property (IP). Success of the program will be viewed, in part, by the fostering of new funded grants or providing significant contributions to grant renewals. Therefore, proposals will be judged with equal measure on scientific merit and the likelihood of generating new IP or extramural grant support.

Funding is for utilization of designated Indiana CTSI core facilities only. Information describing each core is available on the [CTSI website](#). Those cores denoted with a CTSI seal are eligible under this program.

Faculty from IU, Purdue, and Notre Dame are eligible to apply. See the [program guidelines](#) for detailed eligibility criteria.

Technology Enhancement Awards (TEA)

Submission deadline: October 1, 2015 In partnership with the SPARK program at Stanford, Spark Indy, a new funding and mentoring mechanism is underway to support enhancement of early stage technologies to commercialization. In partnership with Indiana CTSI and Indiana University School of Medicine through the office of the Associate Dean for Entrepreneurship and its Industry Collaboration Portal (ICP), and the Indiana Center for Biomedical Innovation (ICBI) at IU Health the Technology Enhancement Awards program is geared to fill the critical gap between innovation and commercialization.

Proposals are requested from Indiana University School of Medicine researchers and founders of startup companies for funds to advance early stage technologies to commercialization. The technologies may include highly promising therapeutics (small molecule or biologics), diagnostics or biomedical devices. The funds will be used in support of closing the technical data gaps for commercialization.

Awardees will receive funding up to \$50,000 for a period of 12 months through a milestone based project management mechanism. In addition, advice and mentorship from experts in drug, diagnostics, and business development will be available.

Online application <https://redcap.uits.iu.edu/surveys/?s=WaftozyyzC>

For more information, contact Padma Portonovo at pportono@iupui.edu.

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15	16 08:00am Dr. Martin Luth ...	17 Poster submissi ...	18	19 09:30am Indiana Healthy ...	20	21 Susan G. Komen ...
22	23	24 08:00am Indiana Rural H ... 09:00am Public and Enga ... 02:30pm Demonstrating a ...	25 08:00am Talking Tenure, ...	26	27 01:00pm Webinar - Model ...	28
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