Dear Colleagues,

I would like to share a number of updates, announcements and information about recent advancements in the Office of Knowledge Enterprise Development (OKED). Since our last bulletin we have had a number of successes, including greater impact through research and discovery, expansion of state-of-the-art facilities and the establishment of new partnerships.

I am pleased to welcome Dr. Raymond DuBois, our newly named executive director of the Biodesign Institute. Dr. DuBois is an internationally renowned physician-scientist and brings a wealth of experience and expertise to the Biodesign Institute. I am also pleased to have Dr. William Petuskey and Dr. Patrick Kenney (dean of social sciences in the College of Liberal Arts and Sciences) join our research team to help advance ASU’s natural and physical sciences, engineering, technology and social sciences portfolios.

As a result of your continued dedication and hard work, the research enterprise has experienced robust growth. In FY12 research expenditures have grown by 9% to approximately $385 million. Recent project investments include:

- **Defense Threat Reduction Agency (DTRA) of the Department of Defense** awarded $30.7M to the Center for Innovations in Medicine at the Biodesign Institute for developing novel diagnostic technologies.

- **Rob and Melani Walton of the Walton Family Foundation** invested $27.5M to help advance sustainability-related initiatives including energy, water, environment, climate, urbanization, social transformation and decision-making in local, national and global contexts and to educate future leaders in sustainability.

- **Department of Energy** awarded $15M for an ASU-led national Algae Testbed Public-Private Partnership (ATP3) that will position the Arizona Center for Algae Technology and Innovation (AzCATI) as the leading algae testbed facility within the country.

- **Virginia G. Piper Charitable Trust** invested $10M to improve health outcomes of the public, youth and minority populations that will involve several ASU academic units, including the programs under the new College of Health Solutions at ASU.

- **National Science Foundation’s Integrative Graduate Education and Research Traineeship Program (IGERT)** provided $3M to ASU to help develop a doctoral program in energy through the establishment of the IGERT Solar Utilization Network (SUN). This is ASU’s eighth IGERT award, ranking us second among top universities who received the most awards through this program.

ASU faculty continue to demonstrate exceptional scholarly productivity in terms of discovery, publications and awards. Notable awards this year include the United Nations Champion of the Earth for Science and Innovation award, the Science Early Career Award by the Department of Energy, the Faculty Early Career Development award from the National Science Foundation, and the National Institutes of Health Director’s Transformative R01 award. I am also delighted to welcome over 100 new faculty members this academic year, many of whom attended the OKED New Faculty Workshop.

We are proud of our students’ achievements in 2012, which include seven National Science Foundation Graduate Research Fellowships, four NASA Earth and Space Science Fellowships, a Fulbright U.S. Student Program award, a Robert F. Kennedy Journalism award, a Ruth Shonle Cavan Young Scholar award from the American Society of Criminology, an Algae Biomass Organization Young Algae Researcher award, a Central Arizona Project award for Water Research, and the Microsoft Imagine Cup. ASU produced 23 Fulbright Scholars in FY12 and is one of the top 10 producers of Fulbright Scholars in students in the U.S.

We are committed to delivering excellent service and support to all faculty so that together we can advance research, innovation, entrepreneurial activities and economic development efforts at ASU.

Please feel free to share feedback, including concerns, ideas and comments that will enable us to better respond to your needs and improve our operations.

Best regards,

Sethuraman “Panch” Panchanathan
Senior Vice President of OKED
panch@asu.edu
**New Administrative Appointments**

**Noted cancer researcher to lead Biodesign Institute**

Raymond DuBois, an internationally renowned physician-scientist whose research has advanced our understanding of the molecular basis for the prevention of colon cancer, has been named executive director of the Biodesign Institute. DuBois will join ASU on Dec. 1, 2012, and will hold the Dalton Chair in ASU’s College of Health Solutions with joint appointments in chemistry and biochemistry. In addition, he will have a joint appointment with Mayo Clinic, co-leading the cancer prevention program. He comes to ASU from The University of Texas MD Anderson Cancer Center in Houston, where he served as provost and executive vice president, and professor of cancer biology and cancer medicine.

rdubois2@asu.edu  https://asunews.asu.edu/20120926_dubois_biodesign

**Petuskey advances sciences and engineering**

William Petuskey joined OKED as an associate vice president in May. In his new role, he helps advance ASU’s natural and physical sciences, engineering and technology portfolio. Petuskey served as chair of ASU’s Department of Chemistry and Biochemistry since 2006. He received his doctorate in ceramic science from the Massachusetts Institute of Technology.

wpetuskey@asu.edu  https://asunews.asu.edu/20120507_OKEDappointments

**Kenney leads social sciences efforts**

OKED also welcomed Patrick Kenney as an associate vice president in May. Kenney helps advance social sciences research across the university, and also serves as dean of social sciences in the College of Liberal Arts and Sciences. Kenney is the founding director of ASU’s School of Politics and Global Studies. He holds a doctorate in political science and a master’s degree in public administration from the University of Iowa.

pkenney@asu.edu  https://asunews.asu.edu/20120312_kenney

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**Biodesign Institute**

- Encompasses 350,000 square feet of award-winning, state-of-the-art, LEED-certified buildings
- Represents the State of Arizona’s largest research infrastructure investment in bioscience-related research
- Research areas are focused in biomedicine and health outcomes, sustainability and security.
- Visit the Biodesign Institute website to learn more about research centers and faculty.
Announcements

Arizona Science Center partnership and kick-off event

ASU and Arizona Science Center are partnering to share dynamic science at the university with the Arizona community, and to motivate and inspire K-12 students to pursue post-secondary education in science, technology, engineering, and math (STEM) disciplines.

This partnership will set the standard for a university and science center collaboration, both nationally and internationally. Together, ASU and the Science Center will plan joint exhibits, educational activities, lecture series, IMAX® shows, planetarium shows, demonstrations, and more. We envision a long-term partnership that provides a continuous flow of innovative research and educational activities, projects, and exhibits for K-12 teachers, students and the general public.

We hope you will join us in celebrating this new partnership at the official launch and recognition ceremony on October 26 at 5:00 pm. The event will feature TED talks from prominent researchers and hands-on showcases of science. Learn more and RSVP for the kick-off event at www.inspireAZscience.org.

OKED partners with ABOR and the Arizona Commerce Authority to develop the ASU Research Catalog

Elsevier’s SciVal Experts is a directory of research expertise culled from publications in over 19,000 journals. Users are able to search the directory using concepts (e.g., "renewable energy"), last names, or full text (e.g., abstracts, articles, RFPs). The Research Catalog then provides a list of experts. Experts may also refine their profiles. Over the course of the year the Research Catalog will expand the number of faculty and researchers and incorporate additional information. http://www.experts.scival.com/asu/default.asp

ISTB 4 grand opening

On September 19, ASU celebrated the grand opening of the university’s largest research building to date, the Interdisciplinary Science and Technology Building IV (ISTB 4). The building is designed to advance research and discovery, and to encourage children to explore their futures as scientists and engineers. ISTB 4 does this through a mixture of high-tech labs, interactive environments and open spaces that allows the public to witness research and technology development as it happens.

The seven-story, 293,000-square-foot building is designed to provide flexible laboratories for ASU’s School of Earth and Space Exploration (SESE), OKED’s Security and Defense Systems Initiative (SDSI), and research laboratories and centers of the Ira A. Fulton Schools of Engineering.

The ribbon cutting was performed by a three-wheeled rover called the RAVEN (Robotic Assist Vehicle for Extraterrestrial Navigation), developed for an astronaut-rover collaboration by Kip Hodges and Sri Saripalli from SESE in collaboration with Aero-Astro at the University of Maryland.

As part of the opening day festivities, OKED hosted a forum on “Exploring the Economic Impact of Research in Arizona” with panelists Kip Hodges, the founding director of SESE; Philip Christensen, Regents’ Professor in SESE; Gary Dirks, director of ASU LightWorks; Werner Dahm, director of SDSI; Julie Zimmerman, associate professor of green engineering at Yale University; and Bill Chapman, chief technologist for Raytheon Missile Systems. https://asunews.asu.edu/20120919_ISTBIV_opening
Updates & Events

Project Humanities Fall 2012 kick-off events

Project Humanities... promoting socially engaged research coupled with public understanding and appreciation of humanist perspectives and practices.

Project Humanities kicked off its regular fall semester programming with a forum at the National Press Club in Washington, D.C. addressing the question, “Are we losing our humanity?” with a panel of experts from various fields on Friday, Sept. 7, followed by the biannual Project Humanities Kick-off Week, Sept. 9-15. Project Humanities is directed by Foundation Professor of English and Associate Vice President for Humanities and Arts, Neal A. Lester. Project Humanities’ Spring 2013 Kick-off will take place February 10-16 with the theme of “Heroes, Superheroes and Superhumans.”

Learn more about Project Humanities at http://humanities.asu.edu and send questions or comments to ProjectHumanities.asu.edu.

Faculty Women’s Association Grant Writing Workshop, sponsored by OKED

OKED will sponsor a panel discussion on “Strategies for Grant Writing Success” hosted by the Faculty Women’s Association on December 12, 2012 in the Memorial Union (Gold 207). Faye Farmer of the Research Strategy Group will be providing best practice recommendations based on her five years of proposal development experience at ASU. http://fwa.org.asu.edu/

Federal Research Update Webinar

The Research Strategy Group will be providing snacks and a lunch on October 29 for those interested in viewing the 4th Annual Federal Budget Priorities webinar. At the webinar, top federal officials from a variety of agencies speak on their agencies’ priorities and processes, providing valuable insight for those interested in pursuing funding. https://rsg.asu.edu/research-forum/federal-research-update-webinar

New Community of Science PIVOT service provides additional support to find funding and build collaborations

The new COS PIVOT™ service connects COS Funding Opportunities with comprehensive profiles in COS Scholar Universe. With the ease of a single interface, users can now quickly identify funding and collaborators. Researchers are urged to log on at: http://pivot.cos.com and claim their profiles. The Research Strategy Group also manages funding.asu.edu, which is updated daily with new funding opportunities and allows users to set up customized funding alerts based on individual research interests. It also provides information on limited submission opportunities.

Proposal Toolbox now available

RSG has launched the “Proposal Toolbox,” a SharePoint site that is designed to assist faculty and staff with large proposal production and includes lists of experienced proposal writers and coordinators, boilerplate text for unique proposal sections, and opportunities for training. Please contact Faye Farmer for access to the site at Faye.Farmer@asu.edu.
**Corporate Engagement Council**

The Corporate Engagement Council’s mission is to improve the quantity and quality of corporate relationships to benefit the entire university. This group is focused on outcomes to enhance and increase effectiveness of: enterprise-wide strategic initiatives, collaborative industry trend analysis, a newly created shared platform of information, and enhanced analytics for tracking and reporting connections. The vision of the council is to build value for corporations and the university through comprehensive and collaborative relationships. Todd.Hardy@asu.edu

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**The Valley’s Biggest Startup and Technology Event: Techiepalooza 2.0**

Join ASU Venture Catalyst and our wonderful partners for Techiepalooza 2.0, an event that brings the entrepreneurial and tech community together at ASU SkySong. Learn about mobile application development, payment solutions, SEO, 3D printing and using LEAN to optimize your startup. Network with others, enjoy some of the Valley’s best food trucks and kickback with local beer and wine. This is our 2nd Techiepalooza and with over 600 people at our first one we plan on making this one even bigger and better. With amazing sponsors, prizes, food, workshops, a funding panel and amazing keynotes. This event is open to staff, students, faculty and alumni. Keynotes include:

- Aaron Matos – CEO / Founder of Jobing.com
- Patrick Koppula – Co-founder of Garageband.com
- Rahul Sood – General Manager of the Microsoft Bing Fund.

With a focus on real world experience which means we share the good, the bad and what really works. With a funding panel composed of Venture Capital firms and companies that have been funded sharing their respective sides of the story. Learn from industry experts and companies, meet new people with a passion for startups and have fun doing it. Sign up online at [http://techiepalooza.com](http://techiepalooza.com).

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**Arizona Solar Summit III: Game Changers**

The third Arizona Solar Summit was held on October 9-10 at ASU SkySong. This event highlighted the game-changing efforts of Arizona’s statewide solar industry. Approximately 250 people attended the event, which included a series of site visits to solar projects throughout the Valley, a sustainable car show, reception and dinner with exhibitors from various organizations and startups, and panel discussions and presentations. A mayoral panel was a highlight of the event, featuring Mayor Greg Stanton of City of Phoenix, Mayor Scott Smith of City of Mesa, Mayor Doug Von Gausig of Town of Clarkdale, and Mayor Georgia Lord of City of Goodyear. Another panel included women leaders in solar who received awards for their dedication to advancing this industry, which were presented by Dr. Christine Wilkinson, senior vice president and secretary of ASU. This event was sponsored by ASU SkySong, ASU LightWorks and the Sandra Day O’Connor College of Law. Visit [http://www.azsolarsummit.org](http://www.azsolarsummit.org) for more information.

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**Edson Student Entrepreneur Initiative**

This initiative provides funding, mentorship and office space to teams of students across all university disciplines. This accelerator program gives student entrepreneurs the opportunity to develop their innovative ideas and launch viable businesses. As an integral program of ASU Venture Catalyst, students in the Edson Initiative have access to seasoned entrepreneurs, industry mentors, and other Catalyst startup services that enable the advancement of their enterprises.

The Edson Initiative has undergone several significant upgrades within the past year. Gordon McConnell, ASU assistant vice president for innovation, entrepreneurship and venture acceleration, has set a new vision for the accelerator by leveraging an expanded pool of industry-expert mentors and “pracademic” startup training resources. This reboot, coined “Edson 2.0,” has been designed to directly impact the Edson companies’ ability to successfully execute their business models, deliver valuable products or services, and most importantly, create local jobs. Brent Sebold, a senior venture manager within the ASU Venture Catalyst, has been charged with leading the new Edson Initiative. [http://www.studentventures.asu.edu/](http://www.studentventures.asu.edu/) studentventures@asu.edu
Research Policy & Procedure Update

Public Health Service (PHS) issued revised regulations related to conflict of interest that went into effect on August 24, 2012. PHS governed agencies include:

- Agency for Healthcare Research and Quality (AHRQ)
- Agency for Toxic Substances and Disease Registry (ATSDR)
- Centers for Disease Control and Prevention (CDC)
- Food and Drug Administration (FDA)
- Health Resources and Services Administration (HRSA)
- Indian Health Service (IHS)
- National Institutes of Health (NIH)
- Substance Abuse and Mental Health Services Administration (SAMHSA)

The major changes include:

1. Reporting interests related to all institutional responsibilities rather than only sponsored projects
2. Monetary threshold for reporting reduced from $10,000 to $5,000
3. Required training prior to engaging in research related to any PHS-funded grant and at least every four years, and immediately under circumstances of non-compliance
4. Additional institutional official review of initial disclosures
5. Reporting travel related to institutional responsibilities but not paid by ASU or sponsored funds
6. Reporting income from non-profit entities that do not meet the exclusion criteria
7. Public access to financial conflict of interest (FCOI) information
8. For all identified FCOIs, institutions must develop and implement a management plan that may include management, reduction or elimination of the significant financial interest
9. PHS authority applies before, during, or after an award with regard to any investigator disclosure of financial interests, regardless of whether or not the disclosure resulted in the institution’s determination of an FCOI

For additional information, visit [http://researchintegrity.asu.edu/coi](http://researchintegrity.asu.edu/coi).

Resource

Faculty Toolbox

Visit the Faculty Toolbox on the Research Administration website for highlights on what faculty need to know about doing research at ASU. This site also includes a brief video overview about proposal submission and receiving an award. [http://researchadmin.asu.edu/faculty-toolbox](http://researchadmin.asu.edu/faculty-toolbox)

Videos

- [Submitting a research proposal at ASU](http://researchadmin.asu.edu/faculty-toolbox)
- [Managing your award at ASU](http://researchadmin.asu.edu/faculty-toolbox)
OKED Service Groups

Research Strategy Group
RSG identifies and aids in the development of national and global funding opportunities, orchestrates research forums, provides intelligence and assists with large-scale proposal development. We are a service-orientated group that works across ASU’s entire research portfolio and prides itself on high-quality customer service and timely, accurate deliverables. https://rsg.asu.edu/ ResearchStrategy@asu.edu

Research Operations Group
We ensure that all of the needs of pre-proposal, proposal submission, and post award activities, including project management, are handled in the most professional manner by working closely with the units, colleges, institutes and initiatives. Operations has staff dedicated to quality in research administration, research integrity, information technology, and project management. OKED Operations is comprised of 100 staff members and oversees over $280M in sponsored project expenditures annually. http://researchadmin.asu.edu/

Research Integrity and Assurance
The Office of Research Integrity and Assurance protects the privilege of performing research by ensuring that we comply with federal and state regulations, and maintain ethical standards. Our outreach program is focused on increasing customer service support directly to the investigators who drive the university research enterprise. http://researchintegrity.asu.edu/ research.integrity@asu.edu

Research Technology Development
Research Technology Development provides website and software development services to OKED administrators and members of affiliated departments or research institutes. We use technology to eliminate tedious or redundant tasks. If you encounter a process at ASU you think is inefficient, please let us know. Our goal is to make your work life more enjoyable. rtshelp@asu.edu

Research Technology Support
RTS supports equipment, applications, and technical services for OKED. http://researchadmin.asu.edu/rts rtshelp@asu.edu

Research Infrastructure & Facilities
The facilities and infrastructure group implements space planning, allocation, management, and core facilities support. Oversight of research facilities within OKED is performed by a faculty-staff team. Our goal is to provide the best possible support to research functions while using university resources efficiently. https://asuresearch.asu.edu/facilities/about-us

Department of Animal Care & Technologies
Our animal care program ensures that our animal facilities are compliant with all federal guidelines. This group supports animal studies of a variety of human diseases, ranging from tuberculosis to drug addiction. http://researchintegrity.asu.edu/animals/dact

Technology Transfer
Arizona Technology Enterprises (AzTE) is the exclusive intellectual property management and technology transfer organization for Arizona State University. We work with faculty, investors and our industry partners to speed the flow of innovation from research laboratory to the marketplace. http://www.azte.com/

Finance and Human Resources
OKED Finance and Human Resources supports all OKED groups in accounting, finance, payroll/compensation and fiscal compliance support. A key effort is currently underway to migrate internal and external OKED financial and HR reporting to the SharePoint 2010 environment for up-to-date information, references and guidance on university and OKED finance and HR policies and procedures. https://asuresearch.asu.edu/finance

Communications
The OKED Communications team supports research through stories, collateral and promotional materials, videos and events that highlight science and discovery at ASU. We collaborate with marketing, media, design and communications representatives within colleges, centers, institutes, and partner organizations to achieve greater results and increase ASU’s impact.

Some of our recent activities have included producing materials for the Algal Biomass Organization summit, hosting a Discovery Café event about school bullying, creating a video for the Arizona Science Center-ASU partnership kickoff, and printing a new issue of Chain Reaction magazine for middle-school children. researchmatters.asu.edu oked.communications@asu.edu
The Office of Knowledge Enterprise Development advances faculty and student research, economic development, and entrepreneurship at ASU, in Arizona, and beyond. The knowledge enterprise is a new model for a 21st century research university with a unique portfolio of interdisciplinary institutes and initiatives, corporate engagement programs, and support for the creation of new businesses. This fusion of people and ideas results in innovation-driven and use-inspired activity that allows ASU and its institutional, industry, and community partners to address society’s most pressing challenges while ensuring competitiveness in the global knowledge economy.

ASU researchers study our most precious resource.

People and Environment: Our Heat Habitat

Paul Davies: Questioning the Universe

We support ASU research through a variety of services:
- Creative Design
- Science Writing & Editing
- Marketing
  - strategy, collateral, promotion, etc.
- Communications
  - internal & external
- Presentations
- Media Relations
- Videos & Photography
- Consultation & Advising

Contact us at: oked.communications@gmail.com