

Camp for high school students explores biomedical sciences and bioengineering

In collaboration with the School of Engineering and Computer Science, the Oakland University William Beaumont School of Medicine will offer a summer camp for high school students who want to explore their interest in biomedical sciences and bioengineering.

OUBW and SECS faculty members teamed up to create an instructional, hands-on experience in biomedical sciences and human anatomy for the Bioengineering and Biomedical Sciences Summer Program. Students will participate in demonstrations and use tech-

nology to discover the multiple systems and processes of the human body.



The experience meets the academically focused components of STEMM, Science, Technology, Engineering, Mathematics and Medicine.

“We want to give these stu-

dents an interactive week that will help them understand what it would be like to pursue careers in medicine and the health sciences,” said Caryn Reed-Hendon, Ph.D., director of Diversity & Inclusion, OUBW. “They will have the opportunity to ask questions about form and function, common diseases and illnesses, and widely used diagnoses.”

The camp occurs June 18 – 27 from 8 a.m. – 5 p.m.

For more information, contact Dr. Reed-Hendon at diversity.med@oakland.edu.

Student Still In Med School Making Difference In Fight Against Stroke

She’s not even out of medical school yet, but one Metro Detroit college student is researching how to identify people at risk for stroke.

WWJ Health Reporter Sean Lee says Rachel Hanke is one of thousands of researchers nationwide making a difference in the fight against stroke.

But unlike most of them, Hanke isn’t even out of med school yet. “It’s exciting, I never would have thought I would be able to do research,” Hanke said. “I knew I wanted to do some, it’s really

important to advance our scientific knowledge.”



The second-year student at Oakland University William Beaumont School of Medicine just earned a grant for her work to identify patients at risk for stroke.

Her research focuses on looking

for biological markers in the blood and plaque samples of patients with plaque buildup that impairs blood flow to the brain, which causes a stroke.

Hanke’s findings could lead to the development of a simple blood test to help identify high-risk patients before stroke happens.

“To be able to dive in this early is incredible,” she said.

School administrators says it’s very uncommon for a second-year medical student to win a grant like Rachel did.

News YOU can use from



Macomb-OU INCubator secures funding to accelerate client growth

The Macomb-OU INCubator was recently awarded Business Accelerator Funds (BAF) to provide accelerator services to client companies Nostrum Energy LLC and Omni One LLC in the amounts of \$50,000 and \$36,635, respectively.

With the addition of these latest awards, the Macomb-OU INCubator has now surpassed all other business accelerators in garnering the most Business Accelerator Fund dollars to assist client companies.

"We look forward to watching these two well-positioned companies take it to the next level, said Julie Gustafson, executive director of the Macomb-OU INCubator. "The BAF program, supported by the Michigan Economic Development Corporation, is an important catalyst for business growth in the state."

Nostrum Energy is an advanced technology company and producer of water and fuel injection components and systems, specifically the Nostrum Cycle™ for the transportation and stationary power industries.

The BAF for Nostrum Energy will assist with commercialization efforts, specifically for efficiency and emissions technologies for aftermarket and original equipment manufacturer (OEM) applications that deliver unprecedented fuel economy improvement and emissions reduction in today's internal combustion engines.

The Omni One BAF will assist with next-stage commercialization, intellectual property protection, and the closure of near-term investment opportunities of DiabetainCTM, an over-the-counter (OTC) natural supplement to help diabetic and pre-

diabetic patients reduce blood glucose levels.

DiabetainCTM is safe for long-term use and has proven to be remarkably consistent and effective through multiple tests and trials. This comprehensive research and development is not a Food and Drug Administration (FDA) requirement of an OTC natural supplement, however, Omni One strives to prove the highest standards of development, consistency, efficacy and safety while also providing a strategic, competitive advantage and broader reach.

These BAF awards are distributed by the Michigan Small Business Development Center (MI-SBDC) through Mac-OU INC to the various accelerator service providers. As these awards demonstrate, the Macomb-OU INCubator is successfully delivering specialized business acceleration services to companies commercializing advanced technology. The BAF is a 21st Century Jobs Fund Program managed by the MI-SBDC in partnership with the Michigan Economic Development Corporation and Michigan's network of business accelerators.

Teaching English in Spain is a 'gran experiencia!'

Katie Webb, of Lake Orion, is an Oakland University Spanish major with a K-12 certification. She is completing her first year as a North American English-speaking assistant in a bilingual school in El Boalo, Madrid. She likes the program so much that she will continue as an assistant for a second academic year at the same school.

The Spanish Ministry of Education, Culture and Sport advertised about 4,000 job openings for North American English-speaking assistants to

work in Spanish public schools this year.

The program accepts Canadian and American college students majoring in any subject. It also accepts graduates, with some proficiency in Spanish, to assist in the public school system. Those who are chosen, like Webb, spend a full academic year in Spain, typically from the beginning of October through the end of May. Applicants are also able to submit their location preference by region, city size, and school type.

Language assistants work 12 – 16 hours a week and earn 700 - 1,000 euros per month (\$965 - \$1,379 USD). In their role they encourage students to broaden their knowledge of North American English language and culture, prepare activities that focus on language and culture, and lead sessions with small groups of students. An orientation course and full medical insurance are included with the program. Transportation to Spain and housing are not included.

English professor and OU's Director of International Education Brian Connery, notes that there are a variety of employment opportunities abroad in many fields for students who have developed international communication skills through studying abroad.

"OU students can study abroad in more than 40 countries around the world, so really there is a program for everyone," said Connery. "Student advisers who have studied abroad also help our students figure out where to go and how to get the process started."

For additional information visit the International Education website at oakland.edu/ie

State and National Headlines

UW System President Says He'll Seek Major Increase In Financial Aid

University of Wisconsin System President Ray Cross said the university will be asking the Legislature for the biggest increase in financial aid funds in the system's history in the next biennium budget.

Speaking at a WisPolitics luncheon in Madison this week, Cross fielded questions about the university's strategy for increasing the racial diversity of the student body on campuses across the state. He said the best way to do that is that is to reduce the cost of tuition by increasing the amount of financial aid available to low income families.

"We will have frozen tuition four years in a row and that's impressive," said Cross. "But, we need to accompany that with an increase in financial aid, because we have frozen that for quite a while -- so we have a number of students not gaining access."

Cross said the university also has to take an active role in helping struggling families to prepare their children for college.

"I could have the greatest teacher in the world, but if the fifth-grader sitting in that class goes home and Dad's in jail and Mom's on crack, nothing happens," said Cross. "We have to reach in beyond what we would normally ... view as in our control in the classroom."

To accomplish that, Cross said the university is considering creating a statewide tutoring program that will target students from minority communities. Cross also said the university should follow the lead of Minnesota where high school students can take university classes tuition free.

"In the state of Minnesota, I think there are 30,000-plus students taking college courses in high school," said Cross. "The state pays for that, and it reduces the time to degree over there."

Accomplishing all of these things, Cross said, will require building strong relationships with the Legislature, which holds the purse strings for funding such programs.

wpr.org
May 20, 2014

Data shows most students choose colleges close to home

Dive Brief:

Data collected from nearly 350,000 high school students seeking information on colleges from Niche.com shows that 58% choose colleges within 100 miles of home and 72% stay in-state.

High-achieving students, as judged by having an SAT score of 2100 or better, are more likely to travel more than 500 miles to college and to leave their home state.

Reed College in Portland, OR, the U.S. Military Academy at West Point, and Stanford University are the top three farthest-from-home colleges, with students traveling an average of 1,357 miles to get to Reed.

Dive Insight:

Another point of interest from the analysis: New England and Mid-Atlantic states had the greatest percentage of college-bound high school seniors leaving their home state for college. Vermont was No. 1, at 64%, followed by New Hampshire at 58% and Connecticut at 52%.

Education Dive
June 6, 2014

Higher education leaders say schools need increase in basic funding

Topeka — Kansas higher education leaders on Wednesday said the state needs to increase funding to post-secondary schools.

"We are going to fall behind if we don't have greater investment," said Pittsburg State University President Steven Scott.

The basic level of state funding to universities hasn't increased since 2008 and remains at levels below the Great Recession, officials said.

Last year, while 42 states started to restore some of reductions made during the recession, Kansas was among eight states that continued to cut, according to a report by the Center on Budget and Policy Priorities.

Some of those cuts were restored during the recently completed legislative session, but not all.

State university leaders also acknowledged that state government is facing a revenue crunch. Tax revenue for April was \$93 million below expectations, and individual income tax receipts have dropped dramatically because of income tax rate cuts implemented by Gov. Sam Brownback.

And the school leaders said they anticipated that future state funding will be based more on performance and outcomes as dollars tighten up.

Kansas University Provost Jeff Vitter said it is important that legislative leaders and higher education officials come to an agreement on what should be measured.



Office of Government and
Community Relations

123 Wilson Hall
2200 North Squirrel Road

NONPROFIT ORG.
U.S. POSTAGE

PAID

ROCHESTER, MI
PERMIT NO. 17

June 2014 *NEWSLETTER*

OAKLAND UNIVERSITY
OFFICE OF GOVERNMENT and
COMMUNITY RELATIONS

(248) 370-3682
oakland.edu/govrel

Rochelle A. Black
Vice President
black@oakland.edu

Michelle Lange
State Relations Director
lange2@oakland.edu

Claudia DiMercurio
Executive Assistant
dimercur@oakland.edu

Jacqueline Racchi
Executive Secretary
racchi@oakland.edu

State and National Headlines *CONTINUED*

During the meeting of the System Council of Presidents, Kansas Board of Regents President and CEO Andy Tompkins also said Brownback wants two-year budget proposals from the schools to consider before submitting his budget plan to the Legislature in January.

LJWorld.com
May 14, 2014

Report: College Degree Worth \$800K More than High School Diploma

The Federal Reserve Bank of San Francisco released a report recently citing the long-term difference in earnings between an American with a college degree and one with only a high school diploma is approxi-



mately \$830,000 over the course of an adult lifetime. That figure is estimating both individuals working until the age of 67. Assuming the high school graduate begins working full-time immediately, he would have a four-year head start on the college graduate, but still end up averaging about \$20,300 per year less in income.

Educationnews.org
May 14, 2014