



DID YOU KNOW?

Based on scholarly metrics such as publications, citations, grants etc., Academic Analytics, a provider of high-quality data and solutions for research universities in the United States and the United Kingdom, ranked the programs in SNR (using the old departmental structure) in the top tier of programs in the country.

2017 Rankings

Fisheries and Wildlife - 3 out of 19

Forestry – 5 out of 34

Soil, Environmental and Atmospheric Sciences – 11 out of 36

Parks, Recreation and Tourism – 15 out of 187

In other rankings, College Factual ranked the following two programs in SNR as some of the best popular programs in their disciplines:

Parks, Recreation and Leisure – 1 out of 109 programs

Atmospheric Sciences and Meteorology – 5 out of 59 programs

PRESIDENT's BUDGET ADDRESS TODAY @ 1:00 p.m.



University of Missouri System
COLUMBIA | KANSAS CITY | ROLLA | ST. LOUIS

Please join me for a live address on our University budget plan.

Members of the MU Community:

The final plan to address budget issues in the upcoming fiscal year and beyond has been completed. Please join me for an address regarding the future of the University at 1:00 p.m. in [Stotler Lounge at Memorial Union](#),* or tune in to the address via [live stream](#). I also encourage you to read the complete budget action plan, or learn more about how our current plan was formed on the [Budget Planning](#) webpage.

Sincerely,

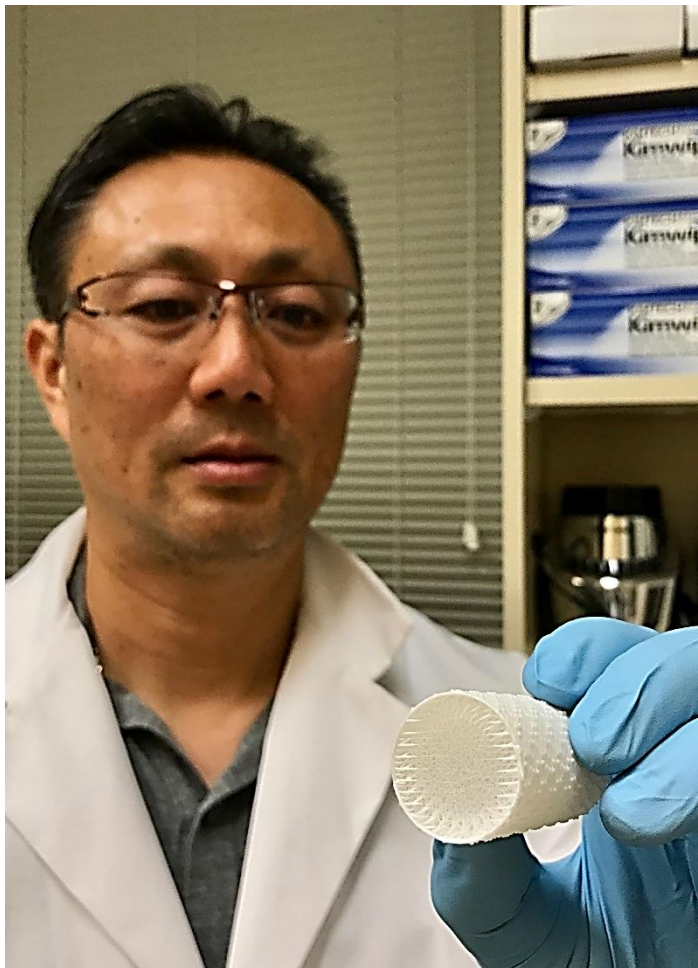
Mun Y. Choi, Ph.D.
President

* Please note: If you choose to attend the event in person, construction is prominent on the west side of the Memorial archway, and Hitt Street is closed. Construction on Stewart Hall also overflows into the visitor parking lot for Memorial Union. If you are unable to obtain parking in the regular visitor parking area, parking is also available in the University Garage.

AWARDS and HONORS

Kudos to Dr. Chung-Ho Lin and Team – Winners of the UM System Fast Track Competition!

Among competitors from UMC, UMKC, UMSL, and MST, the team led by **Dr. Chung-Ho Lin** (School of Natural Resources and The Center for Agroforestry) won the UM System FastTrack pitch competition (\$50,000 award) for their technology “A novel continuous flow system for blood type conversion”. Their continuous-flow enzymatic bioreactor system (originally designed for cellulosic biofuel conversion) constructed by 3-D printing/modeling has demonstrated successful conversion of blood type A to universal blood type O. The other members of the team include Drs. Hsin-Yeh Hsieh (MU Veterinary Pathobiology and MU Life Science Center), George Stewart (MU Veterinary Pathobiology and MU Life Science Center), Daniel Smith (Transfusion Medicine, Department of Pathology & Laboratory Medicine, Indiana University), **Shibu Jose** (MU School of Natural Resources), and Ronald Wood (CEO, Tiger Energy Solutions, LLC.). The potential clients

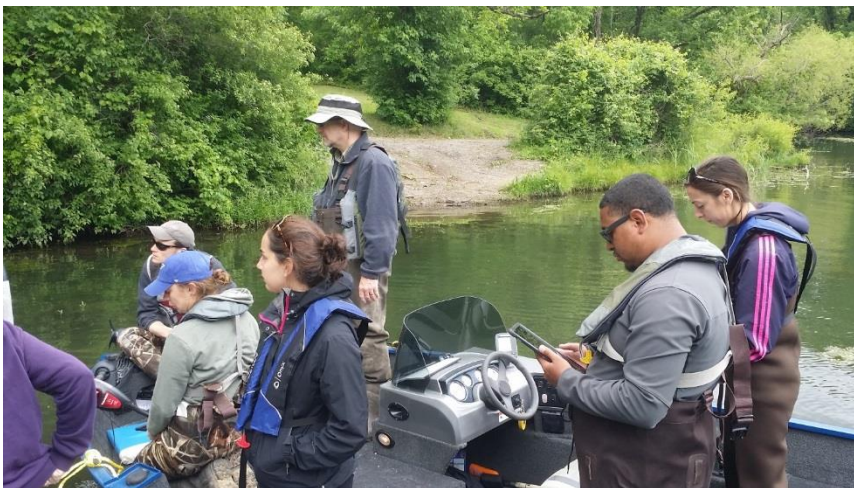


of the technology include the blood banks and transfusion service in all hospitals, military clinics, and VA medical centers. The expected market for blood type conversion technology ranges from \$500 million to 1 billion/year worldwide. The funding received from UM FastTrack program will be used to help optimize the system and bring the product to the market. UM FastTrack is a funding program of the UM Office of Academic Affairs, Research and Economic Development. The program is directed toward the development, testing, prototype construction, or market analysis of innovative technologies originating from a campus of the University of Missouri System.

PRESENTATIONS/PUBLICATIONS/RESEARCH HIGHLIGHTS

A Decision Support Mapper for Conserving Stream Fish Habitats of the Northeast and Midwest US is now available. The US Geological Survey, Northeast Climate Science Center announced the recently-completed project by MU faculty **Craig Paukert** and **Joanna Whittier**, and PhD student **Nick Sievert**. This project integrated results of a current condition assessment of stream habitats based on fish response to human land use, water quality impairment, and fragmentation by dams and road crossings with estimates of which stream habitats may change in the future. Results are available for all streams in the region through a spatially-explicit, web-based viewer called Fishtail: <https://ccviewer.wim.usgs.gov/Fishtail/#>. With this tool, managers can evaluate how streams of interest are currently impacted by land use and assess if those habitats may change with climate. The research is already being applied by the Wisconsin Department of Natural Resources to identify and select brook trout reserves. In addition, these results provide natural resource managers, decision-makers, and the public with a wealth of information to better protect and conserve stream fishes and their habitats.

Members of the Limnology Lab attended EPA training last week in preparation for participation in the National Lake Assessment (NLA) this summer. The training stretched out over three days, covering the collection of water, gas, sediment, phytoplankton, zooplankton and benthic invertebrate samples. Also covered were visual survey techniques for



assessing littoral, shoreline and riparian zones. The Limnology Lab will collect data and samples from 17 lakes/reservoirs across the state between June and September. Teams in other states will also be out sampling during this period, with 1000 randomly selected water bodies targeted for monitoring across the country. This effort is part of the EPA's larger National Aquatic Resource Survey, which includes rivers and streams, coastal water, and wetlands. This will be the lab's third time participating in the NLA, having sampled lakes in 2007 and 2012. Attending the training were Abby Williams, Jaylen Bragg, Erin Petty, Jacob Gaskill, Meghan Schrik, Tony Thorpe and Dan Obrecht. In the photo (from left to right) are Jacob Gaskill, Abby Williams, Meghan Schrik, Dan Obrecht, Jaylen Bragg, and Erin Petty. (Photo by Tony Thorpe; submitted by Dan Obrecht and Tony Thorpe.)

SARA HUBER FOSTER MEMORIAL FUND

The CAFNR Advancement Office is a conduit for establishing memorial funds to honor friends of the College who have passed. During a family's saddest time, the Advancement Team are honored to help them create a lasting legacy for their loved one. The team recently worked closely with the parents of School of Natural Resources alum Sarah Huber Foster (BS FFW '14, MS Nat R '16) to set up a fund to honor their daughter. We were able to quickly draft an endowment document, including a bio portion that captured the essence of just how special Sarah was. A crowdfunding website was also created to allow friends and family to go online and easily contribute. When the fund reaches the level of \$25,000, it will begin funding an annual scholarship named the Sarah Huber Foster Scholarship for Wildlife Biology. (Submitted by Lisa Thompson, Donor Relations Coordinator, CAFNR Advancement.)

More information about this scholarship can be found at the SNR and CAFNR Advancement website links below:

<http://snr.missouri.edu/>

http://www.cafnralumni.com/s/1002/gid12_cafnr/index.aspx?sid=1002&gid=12&pgid=2346

DONOR APPRECIATION

The School of Natural Resources wishes to acknowledge donors that have made recent contributions to the School. The following have made contributions during May, 2017.

Mr. Brynn W. Kerr
Ms. Suzanne Flanegin
Mr. Everette D. Rast
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Holt County Extension Council
Ms. Julia Lay
Mrs. Ann Gerre Schroeder
Eric Roger Boyd, D.D.S.
Mrs. Jacquelyn Graham

This *Weekly Reader* will be distributed electronically every Friday (except during breaks). Please send announcements to Cindy Greenwood, Editor (greenwoodci@missouri.edu) by Thursday @ 5 p.m. If you'd like to unsubscribe from the *Weekly Reader*, please email Cindy. Thanks to Laura Hertel for the *Weekly Reader* Tiger logo.