

# UT NEWS

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## UT blue light research named a top 100 science paper of 2018

By Christine Billau

A scientific discovery at The University of Toledo was selected as one of the top 100 most talked about scholarly publications in the world in 2018.

Altmetric, a data company that tracks and tallies the year's 100 most attention-grabbing studies, chose UT's blue light research as No. 76 in its annual list that provides a picture of the influence and reach of academic work.

According to Altmetric's analysis, "The blue light coming from your computers, phones and tablets is doing damage to your retinas, and this study elaborates on the mechanisms by which blue light causes retinal degradation. The study has elicited a lot of interest, concern and conflicting advice across popular media about how best to protect your eyes."

Dr. Ajith Karunaratne, assistant professor in the UT Department of Chemistry and Biochemistry, earned

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Photo by Daniel Miller

**EYE-OPENING RESEARCH:** Dr. Ajith Karunaratne examined toxic oxygen generation by retinal during blue light exposure.

## Dean named interim provost

By Meghan Cunningham

The University of Toledo's most senior dean will serve as interim provost and executive vice president for academic affairs.



Dr. Karen Bjorkman, dean of the College of Natural Sciences and Mathematics since 2010, will lead academic affairs starting Tuesday, Jan. 15.

"Dr. Bjorkman is a well-respected leader on our campus who is passionate about supporting student and faculty success," UT President Sharon L. Gaber said. "We have made great progress on

achieving the goals set forth in our strategic plan. With Dr. Bjorkman as our chief academic officer, I know we will continue to enhance the educational experience for our students and our faculty scholarly research and service activity."

Bjorkman, also a Distinguished University Professor of Astronomy and the Helen Luedtke Brooks Endowed Professor of Astronomy, has been a member of the UT faculty since 1996 when she joined the Department of Physics and Astronomy.

"I appreciate this opportunity to continue to help move the University forward in a different role," Bjorkman said. "It is important to me that we don't lose momentum and that we keep moving in positive directions, increasing student retention and graduation rates, and growing the research, scholarship and creative activities of faculty across our comprehensive university."

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## Mascot makes kindergartner's day, spreads Rocket cheer

By Kait Tippey

Rocky made a special appearance last month to greet one of his biggest fans. After receiving kindergartner Eli Cordell's email, UT's mascot visited Delaware, Ohio, to surprise the Schultz Elementary School student.

"I love Rocky the Rocket from Toledo. I think it's funny when he dances," Cordell wrote in his message. "I want to go to [UT] for college."

After collaborating with Cordell's teacher and the Schultz Elementary administration, Rocky traveled to Delaware, which



**LUNCH BUDDIES:** Rocky ventured to Schultz Elementary School in Delaware, Ohio, to have lunch with Toledo fan Eli Cordell.

## UT president, Toledo mayor: Attend MLK Unity Celebration to honor civil rights leader

By Joe Bellfy

The University of Toledo President Sharon L. Gaber and Toledo Mayor Wade Kapszukiewicz will host a news conference Tuesday, Jan. 15, at 9:30 a.m. in the UT Driscoll Alumni Center Schmakel Room to invite community members throughout northwest Ohio to the 2019 Dr. Martin Luther King Jr. Unity Celebration.

The 18th annual Unity Celebration, which is free and open to the public, will take place Monday, Jan. 21, from 10 a.m. to noon in Savage Arena on the UT Main Campus. A free community luncheon will follow the ceremony.

"It's never been more important to come together as a community toward

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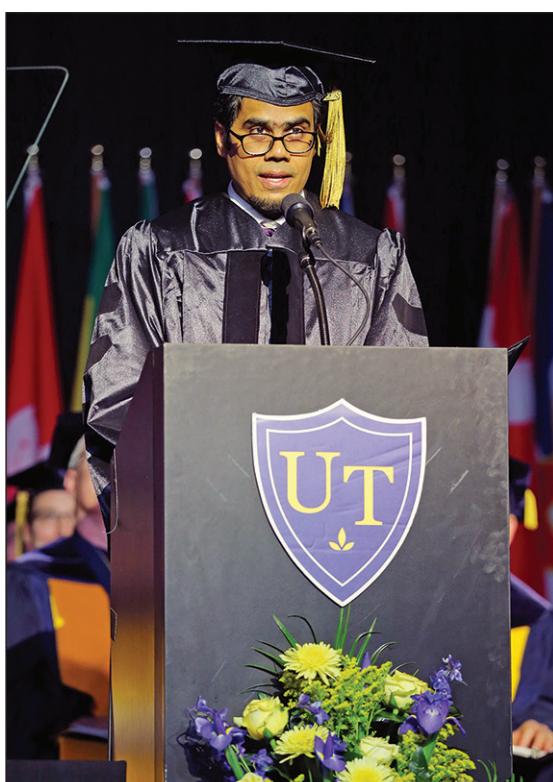
## Fall commencement



Christopher Lett and his 1-year-old daughter, Kamryn Lett, walked across the stage to receive congratulations during the undergraduate commencement ceremony Dec. 15 in Savage Arena. There were 2,115 candidates for undergraduate and graduate degrees for fall semester.



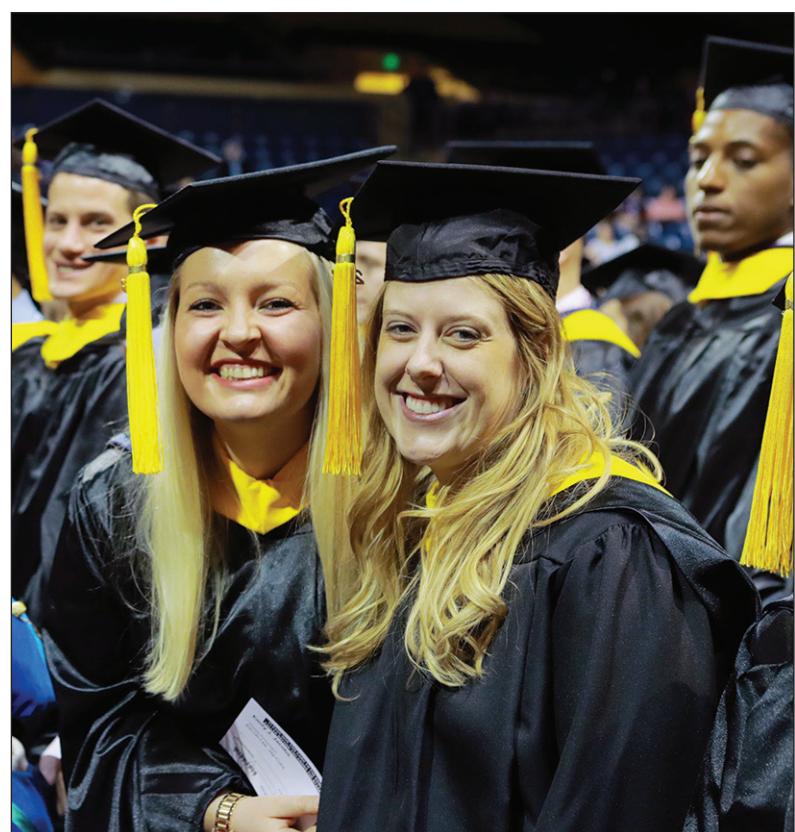
Toledo native Michael Witherell, director of the Lawrence Berkeley National Laboratory in Berkeley, Calif., spoke at the undergraduate commencement ceremony Dec. 15 in Savage Arena. The distinguished physicist, educator and science leader encouraged graduates to find something they think is important and then work hard and make that their passion.



Md Kamal Hossain, emerging cancer researcher and a candidate for a doctor of philosophy degree in medicinal chemistry in UT's College of Pharmacy and Pharmaceutical Sciences, was the keynote speaker at the graduate commencement ceremony. He is a native of Dhaka, Bangladesh, who came to the University as an industrial pharmacist with a passion to develop innovative medicines.



Graduates created cool mortarboards to commemorate the special day.



Emily Jacobs, left, and Jessica Schulte smiled for the camera during the graduate commencement ceremony. They both received master of science degrees in biomedical sciences.

Photos by Daniel Miller

## Chief of staff named to lead finance office

By Meghan Cunningham

**A**n administrator who has served The University of Toledo for two decades has been named interim chief financial officer.



Schroeder

Matt Schroeder, chief of staff and associate vice president for budget and planning, began his role as UT's interim executive vice president for finance and administration Jan. 7.

"I am committed to the success of The University of Toledo and providing a strong financial foundation necessary to achieve our strategic priorities," Schroeder said. "I appreciate President Gaber's confidence in me to fill this very important role."

"Matt has dedicated his career to UT, and his experience with both the University and the UT Foundation will serve us well as we continue our positive momentum and prioritize how we allocate our resources in ways that have the greatest impact on our

students and the campus community," UT President Sharon L. Gaber said.

Gaber thanked Lawrence R. Kelley, who has led the University's financial operations since 2015, for his leadership as CFO through mid-March and his continued service to the institution part time through 2019 as a senior advisor assisting with budget planning and strategic initiatives.

As interim executive vice president for finance and administration, and chief financial officer, Schroeder will oversee the University's offices of Finance; Budget and Planning; Facilities and Construction; Auxiliaries; Information Technology; Human Resources; Public Safety; and Internal Audit and Compliance.

Schroeder has served as the University's chief of staff since 2015 as a member of the senior leadership team focused on leading strategic priorities and special projects, as well as overseeing government relations and the University's response to critical issues.

Prior to joining the University, Schroeder was the UT Foundation's chief operating officer.

A graduate of UT's College of Business and Innovation, Schroeder also has an MBA from the University of Michigan Ross School of Business.

## Employee celebrates commencement



Photo by Daniel Miller

Emily Sankowski, daughter of Steven Sankowski, delivery worker in the Receiving Department, graduated last month with a bachelor of arts degree in communication. Emily will continue working at the Toledo Lucas County Public Library and is considering becoming a children's librarian.

## Interim provost

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Dr. Andrew Hsu, who has served as UT's provost since 2016, has been named the president of the College of Charleston in South Carolina. He will work with Bjorkman for several weeks to ensure a smooth transition and complete his tenure at UT at the end of February. The president thanked Hsu for his leadership in implementing the University's strategic plan and initiatives to enhance student success.

Bjorkman is a leader in the research field of stellar astrophysics, applying spectropolarimetry to better understand the variable gaseous disks around massive stars. Her research has focused on studying the physical characteristics of these disks and the mechanisms behind their formation and variability.

In 2017, Bjorkman was named a Fellow of the American Association for the Advancement of Science, the world's largest multidisciplinary scientific and engineering society, in recognition of her important contributions to scientific discovery.

"I look forward to working with faculty across the breadth of our colleges to support their research and creative scholarship, to continue to improve and enhance our student success outcomes, and to build bridges between STEMM areas, professional schools, and the arts and humanities so that we ensure our graduates have the wide range of skills and experiences they need to be successful in today's increasingly interdisciplinary world," Bjorkman said.

Prior to joining UT, Bjorkman was a scientist in the University of Wisconsin's Space Astronomy Laboratory and a systems engineer for Martin Marietta Denver Aerospace.

She earned her PhD and master's degrees in astrophysics from the University of Colorado, Boulder, and a bachelor's degree in physics from the University of North Carolina, Chapel Hill.

The University plans to conduct a national search for provost at the beginning of the next academic year.

## Interim dean announced

Dr. John Plenefisch, associate dean for the UT College of Natural Sciences and Mathematics, has been named interim dean of the College of Natural Sciences and Mathematics.

He will lead the college as Dr. Karen Bjorkman serves in her new role as interim provost and executive vice president of academic affairs.

Plenefisch, who joined UT in 1996, is an associate professor of biological sciences.

Prior to coming to UT, Plenefisch worked at Johns Hopkins University and the University of Connecticut.

He earned his PhD from the Massachusetts Institute of Technology and a bachelor's degree from the University of Connecticut.

## Princeton Review names UT College of Law among best law schools in U.S.

The Princeton Review once again selected the UT College of Law in its prestigious list of the top 165 law schools in the country.

The UT College of Law ranked No. 1 for professor accessibility in Ohio and Michigan, and tied for No. 1 in Indiana. Nationwide, UT's law school is tied for third in the category of professor accessibility with 14 other schools with a score of 97 out of 99. Six schools tied for the No. 2 spot.

"What makes the UT College of Law special is that faculty members are deeply involved in their students' learning and professional development from day one," said Geoffrey Rapp, associate dean for

academic affairs and Harold A. Anderson Professor of Law and Values. "Our faculty get to know our students — where they are from, where they want to be, and what kind of law they aspire to practice. This puts them in a position to provide support to help students reach their goals."

The Princeton Review does not rank law schools on an overall basis.

The Princeton Review surveyed 17,700 students attending law school about their school's academics, student body and campus life. The student surveys for the 2019 list were collected during the 2017-18, 2016-17 and 2015-16 academic years. The ratings also are based on institutional data.

# UT engineering professors' invention named to prestigious R&D Top 100 list

By Tyrel Linkhorn

**A**synthetic bone graft substitute developed at The University of Toledo has been recognized by R&D Magazine as one of 2018's most exceptional innovations in science and technology.

Created by Dr. Sarit Bhaduri, UT Distinguished University Professor of Mechanical, Industrial and Manufacturing Engineering, NovoGro is a moldable bone substitute putty used to fill gaps in bone and encourage new bone growth. It is used primarily in complicated fractures that would not otherwise heal properly on their own.

"Our composition is innovative and quite different from any of our well-known competitors," Bhaduri said. "The response of bone growth is much faster than other products that are currently available. Our product also incorporates innovative processing techniques that simplify production, which further sets it apart."

R&D Magazine has annually selected the top 100 revolutionary technologies of the past year since 1963. Among this year's other winners were Dow Chemical, Texas Instruments, the MIT Lincoln Laboratory, Oak Ridge National Laboratory and NASA's Glenn Research Center.

"The R&D 100 Award is one of the most prestigious recognitions in applied science," UT Vice President for Research Frank Calzonetti said. "This award speaks to the ability of Bhaduri and his University of Toledo colleagues in translating highest quality research into marketable products

to improve the health outcomes of many."

Bhaduri teamed up with Dr. Vijay K. Goel, UT Distinguished University Professor and Endowed Chair and McMaster-Gardner Professor of Orthopaedic Bioengineering, and Dr. Anand Agarwal, UT research professor of bioengineering, to license the technology from the University and co-found the biomedical firm OsteoNovus Inc. Agarwal also serves as the president and chief executive officer of OsteoNovus, where the product has undergone further development.

"In this category of orthobiologics — how to grow bone — there are many players, but the problem is the big guys aren't doing much innovation," Bhaduri said. "We wanted to disrupt that."

The U.S. Food and Drug Administration has cleared NovoGro for use in two different indications — spine and the extremities.

In its demographic breakdown of the blue light research, Altmetric shows that while scientists and physicians shared UT's news on Twitter, most of the tweets — 84 percent — came from members of the public.

"My group is composed of extremely talented and hardworking graduate and undergraduate students, and this recognition is a tribute to their passion in advancing science," Karunaratne said. "Our published work is an example of how multidisciplinary research can unveil hidden molecular details of crucial cellular mechanisms."

In this case, UT chemists explored how the combination of blue light and retinal

— the abundant chromophore in the eye — damages cells.

Karunaratne's lab found that blue light exposure causes retinal to trigger reactions that generate poisonous chemical molecules in photoreceptor cells.

After his research showing retinal-generated toxicity by blue light was published in the journal *Scientific Reports* in July, Karunaratne said he received feedback from people who shared their experiences on how occupational blue light exposure is a major health concern for them.

"It is an honor to study a process that people care so much about," Karunaratne said. "In this high-tech world, we are being exposed to blue light continuously. It is



Photo by Daniel Miller

**HONORED:** Dr. Sarit Bhaduri, center, held the R&D Magazine award received for NovoGro, a synthetic bone graft substitute he created with Dr. Anand Agarwal, left, and Dr. Vijay K. Goel. R&D Magazine named their invention as one of the year's most exceptional innovations in science and technology.

Currently, NovoGro has a half dozen clinical users across the country and is trying to grow the client base significantly in 2019.

The company's corporate offices and manufacturing facility are housed within The University of Toledo LaunchPad Incubation Program.

## Blue light research

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international attention in August for discovering how blue light triggers cell death in the presence of retinal, a light harvesting molecule in the eye.

His research about blue light-induced cell damage reached more than 400 million people around the world through hundreds of news outlets, including Popular Science, USA Today, CNN Headline News/HLN, The Guardian, Teen Vogue, Forbes and Newsweek.

Altmetric not only tracks news media mentions, but also social media shares and policy documents. Overall, the company tracked more than 25 million mentions of 2.8 million research outputs in 2018.

crucial to find how and when blue light becomes damaging."

Karunaratne's lab currently is measuring light coming from television, cell phone and tablet screens to get a better understanding of how the cells derived from the eye respond to everyday blue light exposure.

"We are looking into the details of the discovered mechanism and investigating if commonly used light-emitting devices have the potential to trigger toxic chemical reactions in cells," Karunaratne said.

# Rockets earn 3.247 grade point average, second highest fall semester GPA in school history

By Paul Helgren

**U**niversity of Toledo student-athletes earned a combined grade point average of 3.247 in the 2018 fall semester. It is the second highest fall term GPA in school history and the eighth consecutive semester in which UT student-athletes have earned a semester GPA of 3.2 or higher.

Thirteen UT varsity sports compiled a team GPA of 3.0 or higher, with eight squads cracking the 3.5 mark. Women's volleyball set the pace with a team GPA of 3.751, followed by women's swimming and diving (3.638), women's soccer (3.631) and women's tennis (3.608).

"Our student-athletes have achieved a consistent level of academic excellence for which we take great pride," said Vice President and Athletic Director Mike O'Brien. "The fact that our teams have earned a 3.2 GPA in each of the past eight semesters makes it clear that academics are very important to our student-athletes."

"Congratulations to our student-athletes and to all the dedicated people who support their efforts — our Student-Athlete Academic Services staff, our faculty and our coaches," O'Brien said. "I would also like to extend additional recognition to Head Coach Jason Oliver and our women's volleyball program for recording the highest team GPA last semester."

This past semester, 46 UT student-athletes earned President's List honors (4.0 GPA), second only in school history to the 49 Rockets who had perfect GPAs in spring 2016. In addition, 44 percent (165 of 375) earned a spot on the Dean's List by garnering at least a 3.50 GPA.

"Congratulations to our student-athletes for all of their hard work and for achieving another outstanding semester GPA," said Ericka Lavender, associate athletic director for academic services. "I would like to thank the Student-Athlete Academic Services staff, our faculty and staff, and the coaches for all of their support and hard work with our student-athletes. We are proud to know that our student-athletes can succeed at the highest level academically in addition to handling their athletic commitments every semester."



## Toledo 2018 Fall Semester Team GPAs (3.0+)

Women's Volleyball	3.751
Women's Swimming and Diving	3.638
Women's Soccer	3.631
Women's Tennis	3.608
Women's Cross Country	3.532
Men's Golf	3.528
Softball	3.524
Women's Golf	3.517
Men's Tennis	3.443
Women's Indoor/Outdoor Track	3.366
Women's Basketball	3.230
Baseball	3.082
Men's Basketball	3.081

## Mascot

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is north of Columbus, and joined the young fan for lunch and met his parents and classmates.

It was important to the UT mascot to acknowledge how much Cordell's message meant. From the expression of excitement and joy on the boy's face, it was clear Cordell was elated.

Rocky gave the young fan UT T-shirts, stickers, a towel and a Battle of I-75 helmet statue.

Shultz Elementary Principal Travis Woodworth was impressed by Rocky's surprise, saying the visit spoke volumes about Rocky and UT's culture of appreciation and their support for the Shultz Elementary mission.

"His visit helped to encourage positive energy in the classroom, the importance of education, and excitement about school," Woodworth said.

Rocky shares UT pride during athletic games, events and special engagements by request. To learn more, visit Rocky the mascot's webpage at [utoledo.edu/mascot](http://utoledo.edu/mascot).



**SPIRITED SURPRISE:** Rocky surprised UT fan Eli Cordell by visiting Shultz Elementary School in Delaware, Ohio. The mascot gave the kindergartner a UT towel, stickers and T-shirts.

## Winter weather policy reminder

In the rare event of a major snow or ice storm or other inclement weather that makes it necessary for UT to delay or suspend classes or campus events, the University will announce this information through several communications vehicles:

- UT Alert text message and email: Sign up at [utalert.utoledo.edu](http://utalert.utoledo.edu);
- Web: [utoledo.edu](http://utoledo.edu) and [myut.utoledo.edu](http://myut.utoledo.edu);
- Phone: 419.530.SNOW (7669);
- Social media: Facebook and Twitter; and
- Local media.

## Researcher awarded \$2.1 million NIH grant to study fungal infection common in cancer patients

By Tyrel Linkhorn

**A** University of Toledo scientist has been awarded a \$2.1 million National Institutes of Health grant to continue her research into one of the most common and debilitating conditions experienced by patients undergoing treatment for head or neck cancers.

Dr. Heather Conti, UT assistant professor of biological sciences, studies a fungal infection called oral candidiasis. The infection is more commonly known as thrush.

In otherwise healthy individuals, the condition is minor, but for those with compromised immune systems or undergoing radiation or chemotherapy, oral candidiasis can turn into a serious and potentially dangerous illness.

"Unfortunately, many patients who develop this condition choose to forego their cancer treatment," Conti said. "It can actually have a direct link to cancer prognosis because the symptoms are too hard to deal with."

The five-year grant, which is distributed through the National Institute of

Dental and Craniofacial Research, will fund research into the role blood platelets play in the body's natural defense against oral candidiasis.

"Platelets are commonly thought of for their role in blood clotting. But what we're finding more and more is that platelets also play a very important role in the immune response," Conti said. "They can protect against various bacteria — or in our case, fungi — which is a novel thought in the field. Platelets can be a much more complicated cell than just taking part in blood clotting."

She is collaborating with Dr. Randall Worth, UT associate professor of

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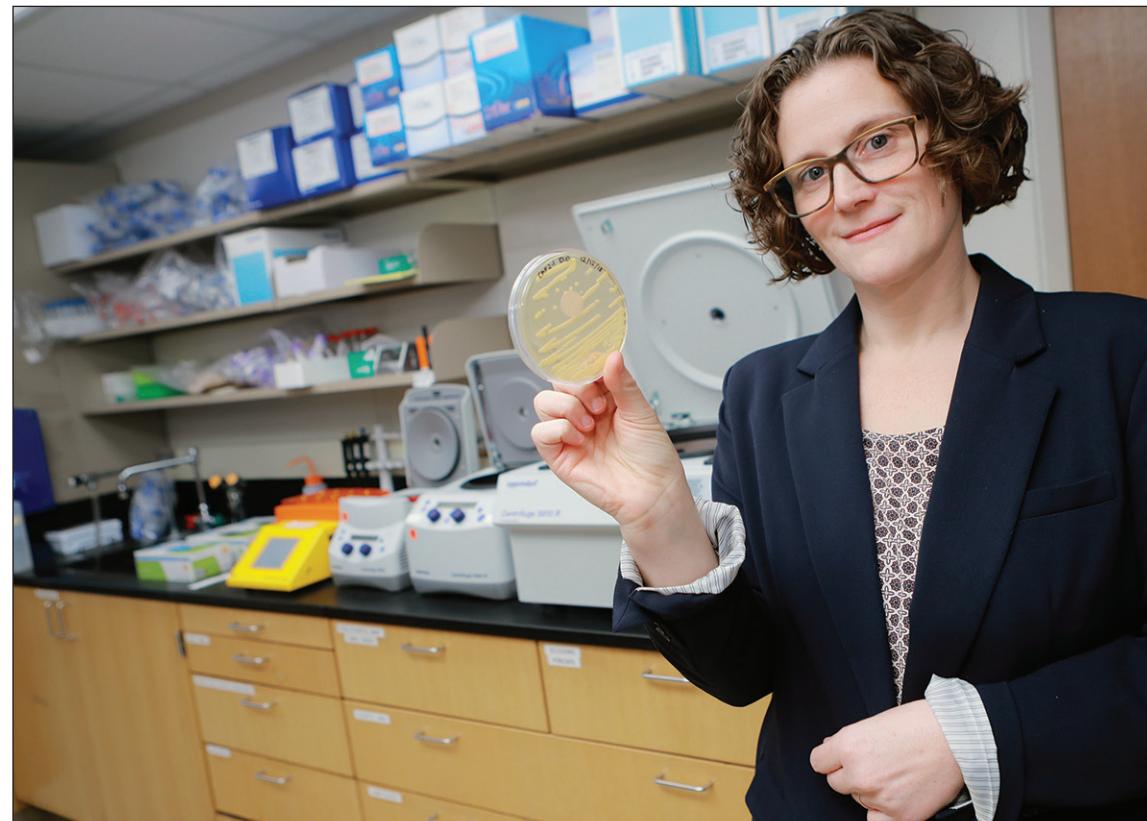


Photo by Daniel Miller

**IN THE LAB:** Dr. Heather Conti, shown here holding a petri dish in which *Candida albicans* colonies are growing, received a \$2.1 million National Institutes of Health grant for her research on a fungal infection called oral candidiasis.

## UT Lake Erie Center to host talk on restoring sturgeon to Maumee River Jan. 17

By Christine Billau

**T**he University of Toledo Lake Erie Center is hosting a free, public event about the collaborative efforts to re-establish a self-sustaining lake sturgeon population in the Maumee River.

Dr. Chris Vandergoot, research fishery biologist with the U.S. Geological Survey, will give a talk Thursday, Jan. 17, at 7 p.m. at the Lake Erie Center, 6200 Bayshore Road in Oregon.

"We want to bring awareness to the importance of the Maumee River watershed and restore a native fish species to the Lake Erie ecosystem," Vandergoot said.

UT is a partner in the regional, state and federal teamwork to restore giant, ancient sturgeon to Lake Erie that culminated in thousands of juvenile sturgeons being released into the Maumee River in October.

"Lake sturgeon populations were once abundant throughout Lake Erie, particularly in the western basin. Currently, only two self-sustaining populations occur lake-wide. Those are in the Detroit and Niagara rivers," Vandergoot said. "Our reintroduction efforts seek to re-establish a spawning population

in the Maumee River, which is one of the spawning aggregations extirpated due to over-fishing and habitat degradation."

Vandergoot is an expert in using acoustic telemetry to track fish. Acoustic telemetry involves implanting fish with special tags that produce sound that can be detected by a large network of receivers installed around the Great Lakes. It is a way to determine where fish are moving within the lakes and learn about their behavior and habitat use. Some of the sturgeon released into the Maumee River last year have these tags.

Two years ago, a UT graduate student helped the Toledo Zoo secure \$90,000 in federal grant money to build a sturgeon rearing facility along the Maumee River. Dr. Jessica Sherman-Collier, who has since received her doctorate in ecology from UT, assisted the project by verifying that spawning and nursery habitat still exist in the Maumee River to sustain a population of the fish that can live to be 150 years old and grow up to 300 pounds and eight feet long.

The Lake Erie Center is UT's freshwater research and science education



**FISH TALE:** Dr. Chris Vandergoot, research fishery biologist with the U.S. Geological Survey, held a young lake sturgeon prior to its release in the Maumee River last fall.

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## UT Department of Art students' work appears on area electronic billboards

By Angela Riddel

The creations of University art students are on display throughout the Toledo area for the next several weeks, appearing on electronic billboards as part of an annual exhibition.

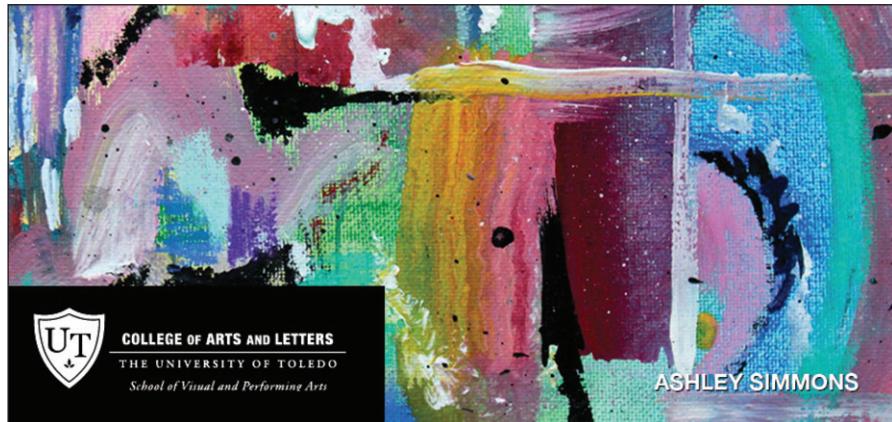
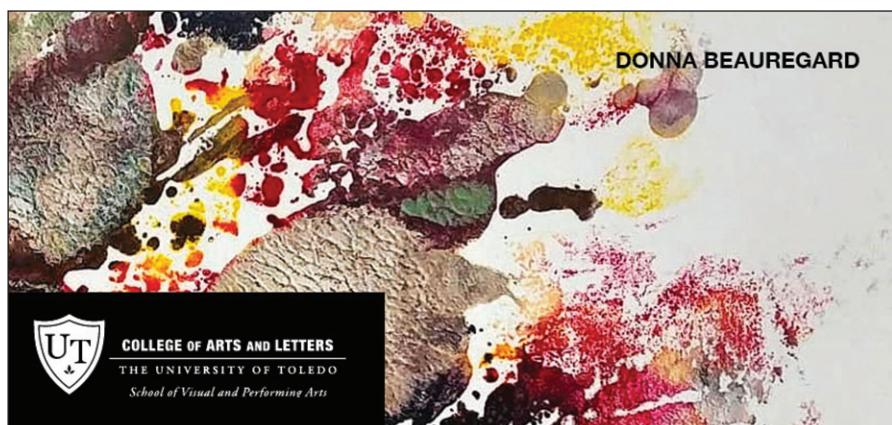
Each fall, Barry Whittaker, UT associate professor of art, organizes the exhibition of juried student work. The digital billboard space was donated by Lamar of Toledo.

"While studying art, it is important to see how images can move beyond classroom and gallery walls to interact with the city where you live," Whittaker said. "Lamar has been a great partner in this project by providing students with the opportunity to see their work illuminated and at a large scale in many locations around the city of Toledo."

A total of 19 works from 14 artists are featured in the exhibition.

The digital billboard locations are at Reynolds Road at Airport Highway, Glendale Avenue at Byrne Road, Tremainsville Road at Laskey Road, Washington Street at Huron Street, Woodville Road at East Broadway Street, the Anthony Wayne Trail at Western Avenue, I-75 at Berdan Avenue, and I-75 at Monroe Street.

Works on the billboards were created by 14 student artists: Austin Baker, Donna Beauregard, Taylor Carey, Colin Chalmers, Jason Chappuies, Alaina Coote, McKenzie Dunwald, Chen Gao, Lindsay Haynes, Alexa McLaughlin, Tyler Saner, Ashley Simmons, Valerie White and Lydia Yant.



## Art exhibit reflects on ownership of self images

By Angela Riddel

This January The University of Toledo Department of Art is hosting an exhibition of the work of guest artist Rowan Renee, a genderqueer artist self-identifying as they.

"No Honor No Heart" will be on display from Monday, Jan. 14, through Thursday, Feb. 14, in the Center for the Visual Arts Gallery on UT's Toledo Museum of Art Campus.

Renee's work includes images of their nude body that have been reclaimed and altered.

"In 2013, I was in a legal dispute with a former partner and collaborator, a copyright lawyer, over ownership and access to nude images of my own body that we co-authored," Renee said. "[This] is an installation that reclaims these lost images, asserting the transformative power of artistic labor for experiences of sexual abjection."

A free lecture will be held Friday, Feb. 1, at 6 p.m. in the Toledo Museum of Art Little Theater. An opening reception for "No Honor No Heart" will follow from 7 to 8 p.m. in the Center for the Visual Arts Gallery.

"I use photography to interrogate how sexual bodies are gendered, victimized, policed and punished," Renee said. "Through photographic, printmaking and sculptural techniques, I produce and appropriate images that intervene on issues of authorship, the representation of queer and feminine bodies within the art-historical canon, and the intersection of homophobia and misogyny in sex law and copyright law."

"Abjection, as a queer concept and aesthetic framework, informs my manipulation of images. Through jouissance, the hard-won pleasure found in the labor of making, I see a means to construct transformative meaning from experiences of violence, persecution and erasure that threaten queer and feminine subjects."

Renee currently works between Brooklyn, N.Y., and Ann Arbor, Mich. Their career began as a street artist in 2006, when they joined the Miss Rockaway Armada, a collaborative flotilla of junk rafts founded by the artist Swoon.

In the past, Renee traveled across 10,000 miles of the United States taking tintype portraits of people living off the grid, worked to rebuild a Sandy-flooded bungalow in the Rockaways as a live-work artist space, and founded a small photography business called Brooklyn Tintype.

Recently, they have received awards from the Aaron Siskind Foundation, the Rema Hort Mann Foundation and the Anchorage Museum of Art. In 2018, Renee was named an Elsie Choy Lee Scholar by the University of Michigan.

Their work has been profiled on NPR, in The New York Times, VICE, Hyperallergic, Huffington Post, American Photo Magazine and Guernica, among other publications.

The free, public exhibition can be seen Monday through Saturday from 9 a.m. to 9 p.m., and Sunday from 10 a.m. to 9 p.m.

For more information, contact contact Brian Carpenter, UT lecturer of art and gallery director, at brian.carpenter@utoledo.edu.



"Together but Separate" is part of Rowan Renee's exhibit titled "No Honor No Heart," which is on display through Thursday, Feb. 14, in the Center for the Visual Arts Gallery on UT's Toledo Museum of Art Campus.

## Transparent learning topic of forum Jan. 30

"Walk Before You Run: How Transparent Assignment Descriptions Can Foster Greater Growth in Students" is the title of this month's Future of Higher Education Forum.

The session will take place Wednesday, Jan. 30, from 1 to 3 p.m. in Carlson Library Room 1005.

Dr. Christopher Martin, visiting associate professor of philosophy and religious studies, will lead the forum.

He will discuss transparent learning — an approach to class and assignment design that emphasizes how and why students are asked to learn course content in particular ways.

"Transparent learning, because it articulates the literal process whereby success is achieved, is very beneficial for our students who are unfamiliar with best practices in college classes," Dr. Amy Thompson, vice provost for faculty affairs, said. "Dr. Martin will talk about the many benefits of transparent learning and share his passion for helping students achieve academic success."



Martin  
The Future of Higher Education Forums are coordinated by the Office of the Provost in collaboration with the University Teaching Center and the

Office of Diversity and Inclusion.

Register for this month's program and read more about the Future of Higher Education Forums, including how to submit proposals for upcoming events, at the Office of the Provost website at [utoledo.edu/offices/provost/future-of-higher-education-forum](http://utoledo.edu/offices/provost/future-of-higher-education-forum).

Those unable to attend can watch live on the faculty training session website at [youtube.com/watch?v=Tgpn6Y6J9NQ](https://youtube.com/watch?v=Tgpn6Y6J9NQ).

## Register for spring semester parking

**S**pring parking permits for students and employees are currently open. These may be purchased on the MyParking website at [myparking.utoledo.edu](http://myparking.utoledo.edu) or through the parking app, UT Parking.

Spring semester parking permits must be purchased by Monday, Jan. 21. After that date, vehicles without a parking permit will be ticketed. The deadline to cancel a permit and receive a refund is Monday, Jan. 28.

"For the convenience of drivers, the University has a free app for IOS and Android devices so you can easily manage your parking account 24/7 from your cell phone or other smart device," said Sherri Kaspar, director of parking and transportation.

The parking and transportation website at [utoledo.edu/parkingservices](http://utoledo.edu/parkingservices) contains information necessary to purchase a permit and park on campus, including parking procedure details, where you can park with your specific permit type, and frequently asked questions.

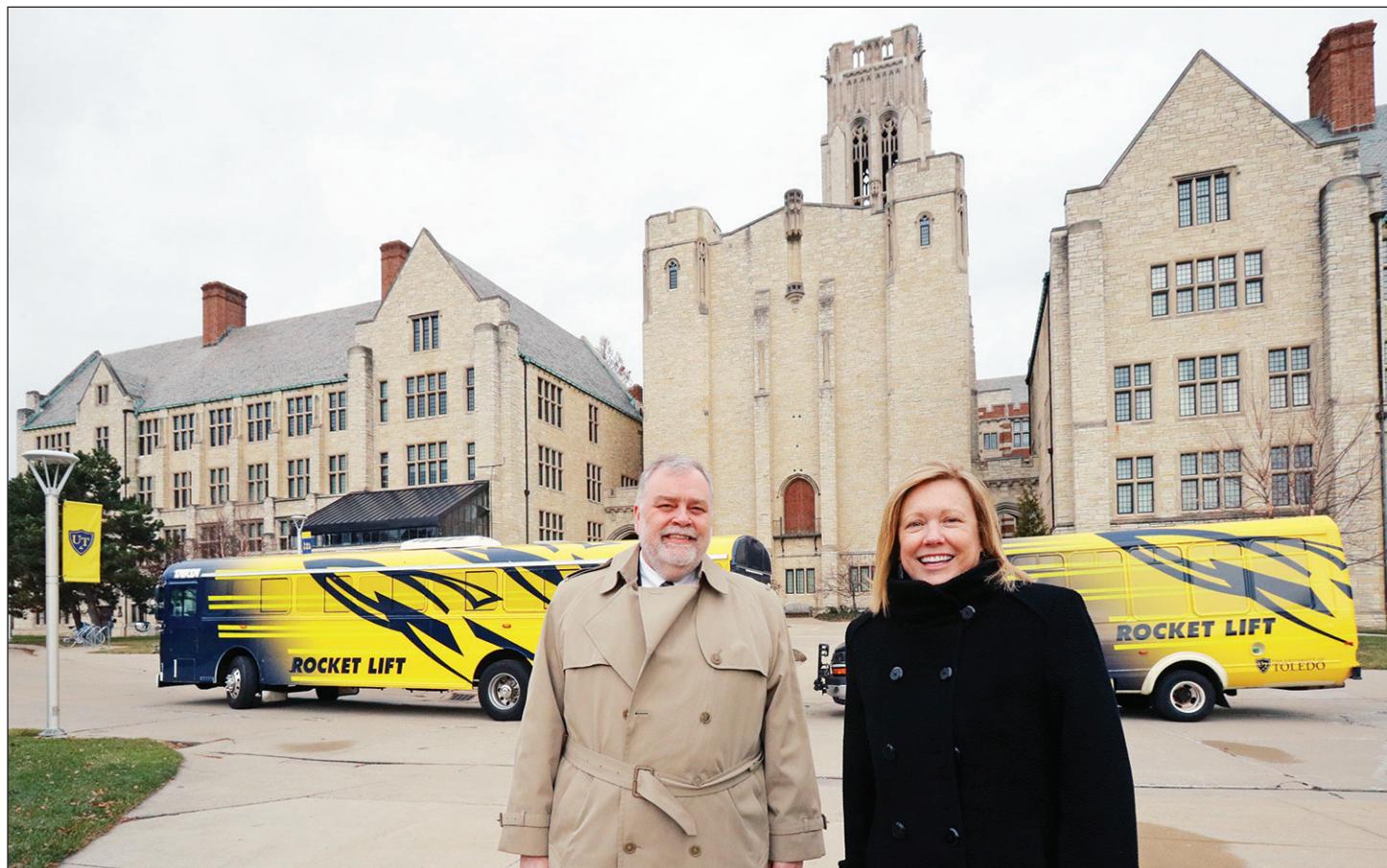
"As a reminder, if you need to change the vehicle you drive to campus at any time

during the semester, you need to update your license plate number and vehicle information for your permit online before parking that day in order to avoid a ticket," Kaspar advised.

Citations received for unregistered vehicles may not be appealed if there is no active permit registration on the account. Additionally, violations for "expired meter" and "illegally parked in a reserved space/area" are non-appealable offenses.

Guest permits for family and friends who visit on weekdays are available on the Guest Parking page at [guestparking.utoledo.edu](http://guestparking.utoledo.edu). All vehicles parked on campus need to have a permit or utilize metered lots.

After you review all parking information on the MyParking website at [myparking.utoledo.edu](http://myparking.utoledo.edu), you may send any additional questions to [parking@utoledo.edu](mailto:parking@utoledo.edu), visit the Transportation Center, or call 419.530.4100 during normal business hours.



## Ready to roll

UT President Sharon L. Gaber and Toledo Area Regional Transit Authority General Manager James Gee showed off a couple of the TARTA buses sporting the "Rocket Lift" wraps. Seven midnight blue and gold buses will be making the rounds on and between the University's campuses. TARTA began managing UT's bus shuttle services last summer, continuing the same on-campus routes and providing access to all TARTA bus routes for every UT student, faculty and staff member with a Rocket ID card.

Photo by Daniel Miller

## UT Charitable Campaign exceeds goal, breakfast set for Jan. 31

Hundreds of University of Toledo faculty, staff and retirees once again helped the institution to exceed its annual UT Charitable Campaign goal, pledging more than \$129,000 in contributions to Community Health Charities of Ohio, Northwest Ohio Community Shares, EarthShare Ohio and United Way of Greater Toledo.

"We're very proud of our campus community and UT retirees for showing 'Unity for Community' with their generous donations to improve thousands of lives locally," said President Sharon L. Gaber.

"UT is fortunate to be a cornerstone institution in Toledo, and so I'm grateful for this strong show of support for all of the fantastic work that's being done by more than 200 nonprofit organizations throughout our region," she stated.

"Our contributions will collectively be used to feed and house individuals in

need, advance medical research, assist local shelters with animal care and adoptions, provide support to sustain our planet, and so much more," noted Dr. Willie McKether, vice president for diversity and inclusion, and 2018 chair of the UT Charitable Campaign.

Each person who made a donation to UT's 2018 Charitable Campaign, regardless of the amount, will receive an invitation to a complimentary breakfast buffet hosted by the president; the event is scheduled for Thursday, Jan. 31, from 8 to 9 a.m. in the Savage Arena Grogan Room.



Additionally, every donor will receive a thank-you gift at the celebratory breakfast. If you made a donation but are unable to attend, watch for notification of how to receive your gift after the breakfast.

## Huntington Bank offers free financial empowerment classes for campus community

Ever wonder how to set a monthly budget? Do you know what to do if someone steals your identification? Wondering what to do about student loans? Huntington National Bank, through its partnership with The University of Toledo, is offering a series of free financial empowerment classes to help answer those questions and more.

Beginning in January, Huntington will offer monthly classes that are free and open to all UT students, faculty and staff. These classes will cover a wide variety financial education topics and are designed to ensure that every member of the University community has access to resources that will help them make informed financial decisions.

Participants are encouraged to register by calling 248.655.5635 or emailing teresa.l.grace@huntington.com. A sign-up sheet also will be available at the Huntington Branch in the Thompson Student Union.

Each class will be offered multiple times per day to address scheduling needs. A free lunch will be provided at the noon sessions.

The series will open Thursday, Jan. 24, in Thompson Student Union Room 2584. Listed by time, classes will be:

- 8:30 a.m. and 3:30 p.m. — Borrowing Basics. By the end of this course, participants will understand how credit works, available types of credit, and if they



are ready to apply. They also will be able to identify the costs associated with getting a loan and how to guard against predatory lending practices.

- 10 a.m. and 2 p.m. — Understanding Credit. Ever wonder what a FICO score is and how yours is determined? This class will help you understand what's factored into a credit score and offer tips to improve your score.
- Noon — Strategies for When You Have Student Loan Debt. This session will focus on student loan repayment plans, as well as home financing strategies prior to buying a home.

Future classes, listed by date, will include:

- Wednesday, Feb. 13, Thompson Student Union Room 2591
  - 8:30 a.m. and 3:30 p.m. — How to Position Your Home to Sell;
  - 10 a.m. and 2 p.m. — Money Matters; and
  - Noon — Pay Yourself First.
- Monday, March 18, Thompson Student Union Room 3018
  - 8:30 a.m. and 3:30 p.m. — Your New Home;
  - 10 a.m. and 2 p.m. — Charge it Right; and

- Noon — Keep it Safe.
- Monday, April 15, Thompson Student Union Room 2591
  - 8:30 a.m. and 3:30 p.m. — The Road to Refinance;
  - 10 a.m. and 2 p.m. — Second Homes and Investment Real Estate; and
  - Noon — Financial Recovery.

Huntington Bank is the preferred provider of on-campus financial services.

Huntington Bancshares Inc. is a regional bank holding company headquartered in Columbus, Ohio, with \$105 billion of assets and a network of 968 branches and 1,831 ATMs across eight Midwestern states. Founded in 1866, Huntington National Bank and its affiliates provide consumer, small business, commercial, treasury management, wealth management, brokerage, trust and insurance services. Huntington also provides auto dealer, equipment finance, national settlement, and capital market services that extend beyond its core states.

For more information, go to the Huntington website at [huntington.com](http://huntington.com).

## NIH grant

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medical microbiology and immunology, on the project.

The reason oral candidiasis can cause such serious problems in cancer patients is the fact that chemotherapy and radiation often destroy the mucous membrane in the mouth, allowing the fungi to grow unchecked. That, Conti said, can lead to sores on the gums or tongue, difficulty swallowing, bleeding and pain. If the fungal infection reaches the bloodstream and spreads throughout the body, it can become life-threatening.

Patients with HIV are also at greater risk of serious infection from oral candidiasis.

Candidiasis can be successfully treated with antifungal medications, but Conti said there is an emerging trend of strains that have developed resistance to commonly prescribed drugs. That limits clinicians' options, particularly in individuals who are already in poor health.

The goal of this study, Conti said, is better understanding how the body fights the infection and how researchers might be able to leverage that response to formulate new treatments.

"The immune response to oral candidiasis is quite complicated. If platelets play an important role, we need to understand that response. The hope would be to develop therapeutics that not only kill the fungus directly, but can also bolster the immune response," she said.

## Lake Erie Center

*continued from p. 6*

campus focused on finding solutions to water quality issues that face the Great Lakes, including harmful algal blooms, invasive species and pollutants.

Water quality is a major research focus at UT. With more than \$14 million in active grants underway, researchers are looking for pathways to restore the greatest natural resource for future generations.

Vandergoot's talk is part of the Lake Erie Center's Public Lecture Series.

A shuttle will be available to transport passengers from UT's Main Campus to the Lake Erie Center and back. The shuttle will depart at 6:15 p.m. from the south side of Bowman-Oddy Laboratories, 3100 West Towerview Blvd. Passengers must reserve a spot. Email [lakeeriecenter@utoledo.edu](mailto:lakeeriecenter@utoledo.edu) or call 419.530.8360 to make a reservation for the shuttle.

## In memoriam



Allred

**Dr. Mildred A. Allred**, Toledo, professor emerita of general studies, died Dec. 24 at age 95. A UT alumna, she received bachelor and master of education degrees in 1958 and 1963, respectively. After graduating, she began teaching at UT's former Community and Technical College. She started as an instructor and was promoted to associate professor in 1969 and later to professor. During her career, she served on Faculty Senate, the American Association of University Professors Executive Committee, Student Affairs Committee, Faculty Affairs Committee, Academic Grievance Committee, and Academic Regulations Committee, among others. In addition, Allred served on the board and was chair of several committees of the University Women's Commission, and she was a member of an advisory committee that conducted research that led to the establishment of the UT Catharine S. Eberly Center for Women. She retired in 1986 and received emerita status. In 1987, Allred was one of the inaugural recipients of the University's Outstanding Woman Award. Her involvement with the University continued as she volunteered with the ComTech Alumni Affiliate; she served as president of the group from 1991 to 1994. She also was president of the UT Retirees Association from 2008 to 2010, the first woman in that role, and was a former activities director for the group. In 2011, Allred was honored by the UT Alumni Association as volunteer of the year.

**Marcia H. (Schoch) Baltzell**, Temperance, Mich., a clerk in Registration at UT from 1982 until her retirement in 1990, died Jan. 9 at age 88.

**Linda K. (Schmitt) Collins**, Maumee, who served as a volunteer with the Satellites Auxiliary at MCO, died Dec. 12 at age 78.



Conway

**Dr. Lawrence V. Conway**, UT professor emeritus of finance and dean emeritus, died Dec. 16 at age 96. In 1975, he joined the University as dean of the College of Business Administration. Prior to coming to Toledo, Conway was a senior vice president and economist of the Midwest Stock Exchange in

Chicago for five years and an executive for 15 years with the American Savings and Loan Institute. He was elected trustee of the Ohio Council on Economic Education in 1977. One year later, Conway started teaching full time as a professor of finance. In 1979, he received one of UT's Outstanding Teacher Awards. While at UT, the native of Illinois served on the University College Policy Council, Academic Affairs Review Council, Faculty Senate, as well as several committees. In addition, he was the faculty adviser for the UT

student chapter of the Financial Management Association. Conway wrote more than 20 books on finance and investing, and he testified before federal and state agencies. He retired from the University in 1994 and received emeritus status. Conway founded the Global Medical Missions Hall of Fame in 2004 to honor individuals and organizations that have made significant contributions to advancing the medical well-being of people around the world. In 2006, the Global Medical Missions Hall of Fame became affiliated with the UT College of Medicine and Life Sciences. The hall of fame can be seen in the lobby of the Jacobs Interprofessional Immersive Simulation Center.

**Frank W. "Cub" Cubbon**, Toledo, died Dec. 25 at age 92. He graduated from UT with a law degree in 1953 and returned to his alma mater to teach. Cubbon and his wife, Barbara, were longtime benefactors of the UT College of Law; the couple's generosity included a major gift to renovate a practice courtroom in the Law Center. The Cubbon Courtroom is used for moot court preparation, trial advocacy classes and special events. Cubbon was named a distinguished alumnus in 1997, and he and Barbara were recognized in 2006 during the UT College of Law's 100th anniversary celebration. Tributes are suggested to the College of Law through the UT Foundation at <https://give2ut.utoledo.edu>.



Giolando

**Dr. Dean M. Giolando**, Toledo, professor of chemistry, died Jan. 2 at age 61. He joined the UT faculty as an assistant professor in 1988. Giolando received tenure and was promoted to associate professor in 1994 and was named professor in 2001. His research focused on inorganic organometallic chemistry; he dedicated

much of his work to improving the efficiency of solar cells. Giolando was a member of the American Chemical Society, Materials Research Society, and Sigma Xi the Scientific Research Society. He is survived by his wife, Dr. Kristin Kirschbaum, director of the UT Instrumentation Center.

**Carmela R. (Boykin) Mabry**, Toledo, who was a lab animal aide at MCO in 2000, died Dec. 31 at age 55.

**Margaret R. "Marge" Mangas**, Toledo, died Dec. 27 at age 89. She graduated from the University in 1952 with a bachelor's degree in medical technology. In 1970, she was hired as a section supervisor in the MCO Hematology and Pathology Department, where she worked for more than two decades.

**John E. Meadows**, Holland, Ohio, a former UT instructor, died Dec. 31 at age 46. He taught Spanish at his alma mater from 2008 to 2011. Meadows received two bachelor of arts degrees in 1996 — one in Spanish and one in theatre; a master of education degree in secondary education in 2008; and a master of arts degree in counselor education in 2013.

**Emerson J. Ross**, Toledo, and San Felipe, Mexico, who served on the MCO Board of Trustees from 1986 to 1993, died Nov. 25 at age 77.

**Joseph A. Stobinski**, Oregon, died Jan. 2 at age 95. He graduated from the University in 1951 with a bachelor of education degree and taught graphic arts at his alma mater for more than three decades.



Stranahan

**Stephen Stranahan**, Chicago, a businessman with a passion for civic leadership and philanthropy, died Jan. 7 at age 84. When UT went from a municipal to state university in 1967, Stranahan was appointed by the governor to the first UT Board of Trustees, on which he served from 1967 to 1977. He co-founded the

UT Corporation, serving on its board from 1977 to 1986, and then serving on its successor, the UT Foundation Board of Trustees from 1990 to 1992. That service on the boards included stints as chairman. In 1972, Stranahan helped spearhead the Centennial Fund Drive that raised more than \$10 million for Centennial Hall, later renamed Savage Arena. The Toledo native was a former director of Champion Spark Plug Co. and former chair of the Small Business Assistance Corp., which administered city and federal loan programs. Stranahan also was chair of Entelco Corp., a diversified holding company, and was director of First National Bank. In addition to being a benefactor of the Toledo Symphony Orchestra, Stranahan helped bring the Mud Hens back to the Glass City in 1964. He was the recipient of the Pacemaker of the Year Award from the UT College of Business in 1968. In addition, the University recognized his years of dedication and service with an honorary doctor of laws degree in 1983.

**Mildred "Millie" Tipton**, Blissfield, Mich., a UT alumna who worked at the University for more than two decades, died Dec. 15 at age 81. She joined the staff as a clerk in 1975. Over the years, Tipton was promoted to clerk specialist, secretary, administrative assistant and executive secretary in the College of Arts and Sciences. The Toledo native received a bachelor of arts degree in communication from UT in 1987. Tipton was honored by the University Women's Commission with an Outstanding Woman Award in 1989. She retired in 1997.

**Joann M. Winters**, Toledo, who worked at UT for more than 20 years, died Dec. 29 at age 89. She was hired in 1968 as a clerk in the Finance Department and held that position until 1979. She returned to the University as a cashier in the Finance Department from 1982 until her retirement in 1994.

## Renovations underway for Mulford Library

By Tyrel Linkhorn

Improvements are in the works for Mulford Library on The University of Toledo's Health Science Campus.

Plans call for new floor coverings, replacing much of the existing furniture, and reorganizing the fifth floor to better take advantage of the building's architecture.

"It's actually a really beautiful space, it just needs a little TLC," said Beau Case, dean of University Libraries. "There are large windows on each end of the fifth floor and a huge glass skylight overhead. We want to bring in more of that natural light."

To accomplish that, the library will be removing the book stacks on the fifth floor and consolidating most of its print collections to the sixth floor. Crews also have begun removing all of the wooden barrel desks in favor of sleek, modern furniture, including adjustable-height desks — something Mulford Library Director Jolene Miller said many students have requested.

The fourth-floor entrance area also will be spruced up with new paint, flooring, and the addition of a featured titles section that will include board exam preparation materials, books on research and scholarly writing, and other heavily used titles.

"How people use libraries is changing," Case said. "We recognize our medical students and others don't rely on printed texts as much as they once did, which is part of the

reason we're moving the stacks off the fifth floor. But the library is still an important place for studying or taking a break between classes. These renovations will make Mulford a much more comfortable and usable space for the UT community."

The work at Mulford follows a series of improvements at Carlson Library on Main Campus. Case said there was a 40 percent increase in usage after those renovations were completed.

"I'm most excited we're going to be able to make the facility more professional and better-suited for our students," Miller said. "Even if people aren't checking out physical books, there's something to be said for having a place where the expectation is 'I can go in and do heavy reading, I can get really engrossed in thinking and writing and engaging with material.'"

The first step will be moving the books. The new flooring should be complete by February, with the new furniture coming over the next few months.

Case said they are scheduling the most disruptive work during low-usage periods to limit the impact to students.

"Our students on Health Science Campus require a quiet study environment, and we're going to do our best to accommodate that," Case said.



Mulford Library

Photo by Tyrel Linkhorn

## Women & Philanthropy offering \$65,000 for 2019 grant

Friday, Feb. 15, is the deadline to apply for a grant from Women & Philanthropy at The University of Toledo.

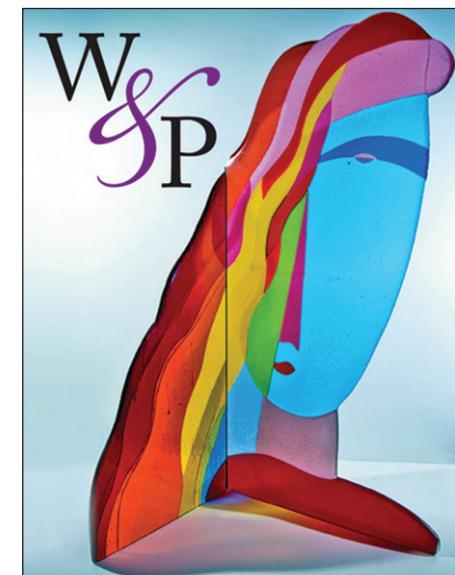
UT employees and students from all campuses are eligible to apply. To be considered for a grant, all application guidelines must be followed. Grant applications are available on the Women & Philanthropy website at [utfoundation.org/give/women-philanthropy/apply.html](http://utfoundation.org/give/women-philanthropy/apply.html).

The Women & Philanthropy Grants Committee will review and evaluate the applications, and the general membership will vote to determine the recipient(s). Grant amounts vary from year to year.

Grant recipients will be announced in May.

The inaugural grant, in the amount of \$15,000, was awarded in 2008 to Carlson Library to commission a glass sculpture by artist Tom McGlauchlin. That sculpture titled "A University Woman" is on display in the library concourse and has become the model for the Women & Philanthropy logo.

Since then, Women & Philanthropy has funded classrooms; an art gallery; locker room enhancements; a sensory-friendly medical examination room; the hospitality area in the William and Carol Koester Alumni Pavilion; renovations to the Savage Arena media room; computer-based educational displays in Ritter Planetarium and Lake Erie Center; a computer lab in the Catharine S. Eberly Center for Women; a playground at the Kobacker Center; a student-family room in University College; an interactive periodic table display; a Genetics Analysis



Instrumentation Center; and the Thrombosis and Hemostasis Research Center.

A complete list of awards and winners is available on the Women & Philanthropy website at [utfoundation.org/give/women-philanthropy/support.html#testimonials](http://utfoundation.org/give/women-philanthropy/support.html#testimonials).

Since 2008, Women & Philanthropy has gifted \$493,687 in 19 grants to a wide array of programs and initiatives to The University of Toledo. Women & Philanthropy is able to give substantial gifts to the University by pooling its members' resources and making monetary awards in the form of grants.

For more information, contact Sarah Metzger in the Office of Alumni and Annual Engagement at [sarah.metzger2@utoledo.edu](mailto:sarah.metzger2@utoledo.edu) or 419.530.4237.

# UTNEWS

UT News is published for faculty, staff and students by the University Marketing and Communications Office weekly during the academic year and periodically during the summer. Copies are mailed to employees and placed in newsstands on the Main, Health Science, Scott Park and Toledo Museum of Art campuses. UT News strives to present accurate, fair and timely communication of interest to employees. Story ideas and comments from the UT community are welcome. Send information by campus mail to #949, University Marketing and Communications Office, Vicki Kroll. Email: [vicki.kroll@utoledo.edu](mailto:vicki.kroll@utoledo.edu). Fax: 419.530.4618. Phone: 419.530.2248. Mailing address: University Marketing and Communications Office, Mail Stop 949, The University of Toledo, Toledo, OH 43606-3390.

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## MLK Unity Celebration

*continued from p. 1*

building a better future," Gaber said. "As the city of Toledo's university, we view service as a critical part of the college experience, and UT is proud to partner with the entire region in celebrating Dr. King's legacy."

"At a time when our nation seems as divided as it has ever been, I encourage all Toledoans to join in the celebration of Martin Luther King Jr., whose life's work was dedicated to bringing people together and finding common ground," Kapszukiewicz said.

Kristian Brown, anchor for WTVG 13 ABC, will emcee the Unity Celebration. The program will feature re-enactments, songs and performances by the Scott High School Marching Band, UT Gospel Choir, UT FIRE Squad and TRIBE dance teams, as well as students from Toledo School for the Arts and other individual artists.

Recipients of the MLK Scholarship and African-American Leadership Council of United Way Scholarship Awards also will be recognized.

The Unity Celebration is organized by a committee co-chaired by Dr. Willie McKether, UT vice president for diversity and inclusion, and Angela Lucas, executive assistant to the mayor.

The 2019 Dr. Martin Luther King Jr. Unity Celebration is made possible by support from ProMedica, Paramount Advantage, Balance Pan-Asian Grille, Smoot Construction, Crestline Paving & Excavating, Peak Electric Inc., the Taylor Automotive Family, Fifth Third Bank, the Toledo Zoo & Aquarium, Kokosing Construction Co. Inc., Mercy Health, Destination Toledo, the Toledo Branch of the NAACP, United Auto Workers Community Action Program Council, United Way of Toledo, Buckeye Broadband, Buckeye Community Arts Network, Area Office on Aging of Northwest Ohio Inc., Lady Irish Basketball, and Zeta Alpha Omega Chapter of Alpha Kappa Alpha Sorority Inc.

## 2019 DR. MARTIN LUTHER KING, JR. UNITY CELEBRATION **WE WILL NOT BE SILENT!**

All members of our community are encouraged to join the celebration of Dr. Martin Luther King, Jr.'s life and legacy of transformational leadership.



*"Our lives begin to end the day that we become silent about things that matter."*

– MLK, Jr.

### **UNITY DAY CELEBRATION**

Monday, Jan. 21, 2019

10 a.m. - noon

The University of Toledo • John F. Savage Arena

Free community lunch follows.

Office of Diversity and Inclusion  
The University of Toledo  
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