

## Presidential finalists



Photo by Anthony Tschern



Photo by Daniel Miller

Dr. Christopher Howard, president of Hampden-Sydney College in Virginia, and Dr. Sharon Gaber, provost and vice chancellor for academic affairs at the University of Arkansas, visited UT last week and spoke at open forums on Main and Health Science campuses. Howard said the next University leader needs to embrace the institution's rich history and traditions to provide a sense of community, and he addressed the president's role in improving student and patient satisfaction. Gaber

emphasized the need for more resources to support all of UT's great initiatives and her experience increasing funding through growth in enrollment, research dollars and fundraising. Both candidates fielded questions from students, faculty and staff. The UT Board of Trustees will meet in the coming weeks to determine its selection between Gaber, Howard and Dr. Michele Wheatly, professor and senior adviser to the president at West Virginia University, who visited UT Feb. 19 and 20.

## Students set to compete in regional finals for \$1 million Hult Prize in Dubai over spring break

By Josh Martin

Late on a Friday afternoon in mid-January, five University of Toledo students huddle around a set of tables in a seminar room to bounce ideas off each other. Class is not in session, and no assignment is due. Looming large in their minds is not the upcoming three-day weekend, but a more profound set of numbers — the 10 million children in urban slums, whom they can help escape vicious circles of poverty and illiteracy by the year 2020.

Little of this scenario is typical, but neither is the achievement of these students.

They have been selected in the top 1.25 percent of more than 20,000 applying teams from around the globe to compete in regional competitions for the Sixth Annual Hult Prize. In doing so, they have joined the ranks of students from schools such as the University of Cambridge, John

Hopkins University, the London School of Economics, the University of Virginia and Northwestern University.

The team includes four Jesup Scott Honors College undergraduate students — Kaitlyn Opperman, Merna Naji, Mahbod Pourriahi and Abigail Dudek — as well as one doctoral candidate, Nehemiah Scott, who is in the Manufacturing and Technology Management Program.

Coined the “Nobel Prize for Students” by Nobel laureate Muhammad Yunus, the annual Hult Prize Competition is the world's largest student case competition, awarding the winners \$1 million in seed capital to promote social good. The competition, in partnership with the Clinton Global Initiative, capitalizes on promising ideas of young and socially engaged entrepreneurs, growing them into actual startup enterprises.

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**WORLD-CLASS SCHOLARS:** UT students, from left, Merna Naji, Kaitlyn Opperman, Mahbod Pourriahi, Abigail Dudek and Nehemiah Scott will travel to Dubai over spring break to participate in the Hult Prize Competition.

# UT students can now bring resumés to life with Seelio's online portfolios

By Meghan Cunningham

All University of Toledo students now have a unique way to showcase their work with a digital portfolio on Seelio.

UT has expanded its partnership with Seelio, an online portfolio company based in Ann Arbor, Mich., to allow all students access to lifecycle portfolios to highlight their accomplishments throughout their time at the University while interacting with online communities.

"The University of Toledo prepares students for successful careers with engaging classroom and experiential learning opportunities that can now be easily shared with potential employers," said Larry Burns, UT vice president for external affairs. "The partnership with Seelio allows us to enhance the student experience and highlight the value of a UT degree."

"We are thrilled to be rolling out Seelio to the whole UT community," said Moses Lee, Seelio's co-founder and CEO. "From day one, we've wanted to help students show the value of their degree, and we've been blown away by what we've seen already. UT is truly leading the way in

helping students capture and showcase the value of experiential learning."

Last year, UT partnered with Seelio to bring the technology and services to the Jesup Scott Honors College and College of Communication and the Arts that allow faculty members to incorporate portfolios into their classrooms and students a way to demonstrate the work they performed in an experiential learning setting.

After the successful pilot involving about 1,000 students in the two colleges, the program is now being expanded to the entire UT community of more than 20,000 students.

"Our students are having amazingly rich experiences that are not easily captured in just a bullet point. With Seelio, they can showcase their work in creative ways and demonstrate their enhanced undergraduate experiences at UT," said Dr. Lakeesha Ransom, dean of the Jesup Scott Honors College. "Seelio has been a great asset to our students, and it helps them articulate their undergraduate experiences."

"I shared the link to my Seelio page with an employer and they loved it," said

Caroline Jardine, a junior in the College of Communication and the Arts. "Not only did my Seelio site present my work professionally, but it also gave me an edge over other applicants who might not have had an account. I ended up getting the position, and I know that my Seelio page helped me."

Colleges across UT are working with Seelio's service team to identify new ways to incorporate portfolios into the student experience. The Honors College is using Seelio to build communities with honors coaching circles to share academic and co-curricular activities, and the College of Communication and the Arts has integrated Seelio into its Project-Based Learning Initiative where students collaborate on a 30-minute television production in partnership with WGTE Public Media in

Toledo. Other colleges are planning to incorporate Seelio into their co-op and advising programs with individual faculty members who also are integrating the portfolio technology into their courses.

As an enterprise campus with Seelio, UT gains access to data visualization tools, learning management and student information system integrations, a dedicated UT community on Seelio, as well as service support for portfolio implementation across all colleges.

UT students or faculty who want to get started on Seelio can visit [utoledo.seelio.com](http://utoledo.seelio.com). UT students and faculty who already have accounts will receive more information from Seelio in their University email.

## Hult Prize

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The theme of this year's competition is to propose a solution for early childhood education disparities for residents of urban slums.

"Our goal is to close the gap between children growing up without access to early education programs that jump-start the learning process, among other things," said Opperman, a junior majoring in secondary/adolescence to young adult education. "The brain development that happens at that age is crucial to setting them up for the rest of their education and lives."

"We are trying to find a solution that is scalable, sustainable and holistic," added Naji, a junior majoring in biology. "Because we are such a diverse team, we have

members who bring health, educational, business and engineering/infrastructure perspectives to the table."

Aside from their diversity of academic backgrounds, the UT Hult team is also different from traditional teams in that the majority of Hult Prize competitors are MBA students, rather than undergraduate students.

"We are extremely humbled and excited to showcase our social enterprise before globally recognized social leaders and some of the best institutions in the world," Scott added. "Most of all, we are excited for the opportunity to create positive educational change in the lives of children, their families and their communities."

All of the UT students involved credit their advancement in large part to the networks and resources provided by the Jesup Scott Honors College.

"People are surprised by the variety of offerings available in the Honors College," said Dudek, a sophomore majoring in international business. "It has broken all of the expectations I have ever had about being a student at UT, offering opportunities I never thought would be possible."

Pourriahi, a sophomore majoring in bioengineering, echoed the sentiment: "The Honors College allows you to go beyond the classroom and to develop such involved relationships with your professors," he said. "I have friends at other universities who

can barely speak to their advisers let alone casually walk into the dean's office and receive guidance on projects."

Dr. Lakeesha Ransom, dean of the Jesup Scott Honors College, will travel to Dubai with the UT Hult team during spring break for the regional finals competition.

"We are dedicated to creating as many transformative opportunities for our students as possible in the Honors College, and I'm incredibly proud that the UT Hult team will compete in the regional finals," Ransom said. "I look forward to all that they will accomplish."

**LOOK FOR THE NEXT ISSUE OF UT NEWS MARCH 16**

## UT Health's cancer center offers massage therapy during treatments

By Amanda Benjamin

UT Health's Eleanor N. Dana Cancer Center is now offering massage therapy to patients during their infusion treatments.

This new service is provided through UT Health's partnership with the Victory Center, a privately funded organization that provides free services to cancer patients.

"We're pleased to offer this service and collaborate with the Victory Center," said Jan Tipton, manager of the Infusion Center at the Eleanor N. Dana Cancer Center.

Patients at the Eleanor N. Dana Cancer Center can receive hand, foot and shoulder massages, accompanied by the use of aromatherapy oils. This service is provided

at the Infusion Center on Tuesdays and Thursdays from 10 a.m. to 1 p.m.

"Patients love the massages," Tipton said. "They tell me that it improves their circulation and helps them relax during their treatments."

Tipton noted that patients are starting to schedule their treatments on massage days. Wednesday is another popular day for patients to schedule their treatments because that is when Porshia, the therapy dog, visits the infusion center, Tipton added.

The Eleanor N. Dana Cancer Center has partnered with the Victory Center to offer a variety of integrative therapies to their patients. For more information, visit [uthealth.utoledo.edu/centers/cancer](http://uthealth.utoledo.edu/centers/cancer).



Photo by Amanda Benjamin

**HEALING HANDS:** Massage therapist Linda James of the Victory Center gave a hand massage to a UT Health patient at the Eleanor N. Dana Cancer Center.

### The University Women's Commission is looking for:

Nominations for the Alice H. Skeens Outstanding Woman Award

Applications for the University Women's Commission Scholarship

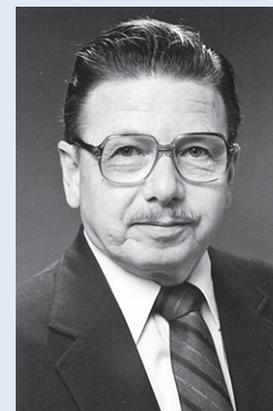
Deadline: Friday, March 6

Details at [utoledo.edu/commissions/uwc](http://utoledo.edu/commissions/uwc)



## In memoriam

**Dr. James L. Bailey**, Garfield Heights, Ohio, professor emeritus of mathematics, died Feb. 17 at age 84. He joined the UT faculty as an associate professor in 1963 and was named a professor 10 years later. In 1968, Bailey and two engineering faculty members were selected by the U.S. Atomic Energy Commission to conduct research on the effects of earthquakes near nuclear plants. While at UT, he also taught graduate courses at NASA in Cleveland. The longtime Toledo resident who lived in Old Orchard served as chairman of the Department of Mathematics as well as on curriculum and departmental committees. Bailey retired in 1987 and was granted emeritus status. He continued to teach one term a year until 1995.



Bailey

**Jeff Huffman**, Copley, Ohio, a UT alumnus who worked at his alma mater for 14 years, died Feb. 24 at age 48. As a student, he wrote for *The Collegian* and graduated from the University in 1989 with a bachelor of arts degree in communication. One year later, he joined the UT staff as an assistant director in the Sports Information Office. In 1995, Huffman moved to the Alumni Relations Office, where over nine years he served as assistant director of the annual fund, associate director of alumni relations and director of alumni programming. He was an ardent fan of the Toledo Rockets.

**Dr. Robert D. Matz**, Toledo, an assistant professor of educational psychology during the mid-1970s, died Feb. 14 at age 68.

**Joanne P. Roehrs**, Toledo, a member of the Satellites Auxiliary who volunteered at the hospital, died Feb. 23 at age 82.

## Too cute at 2



Porshia, the therapy dog, turned 2 last week and celebrated with cake Wednesday in UT Health's Eleanor N. Dana Cancer Center. Jane Ann Zeigler-Wentz brings Porshia to the center Wednesday afternoons to visit patients who like to see a friendly, furry face.

## EPA Great Lakes conference to be held at UT; registration deadline March 6

By Samantha Watson

In 1987, the Great Lakes Water Quality Agreement between Canada and the United States was amended; it identified 43 areas of concern on the Great Lakes.

“That agreement was actually signed here in downtown Toledo in November 1987, and we’ve always had a very active local community in the Maumee area of concern,” said Dr. Patrick Lawrence, professor and chair of the UT Department of Geography and Planning.

Toledo’s active role in maintaining the health of the Great Lakes is one of the reasons the Environmental Protection Agency’s 2015 Great Lakes Area of Concern Conference will be held at The University of Toledo.

The conference will take place Wednesday and Thursday, March 11 and 12, in the Student Union. The cost to attend is \$50, and the deadline to register online at [www2.epa.gov/great-lakes-aocs/2015-great-lakes-areas-concern-conference](http://www2.epa.gov/great-lakes-aocs/2015-great-lakes-areas-concern-conference) is 5 p.m. Friday, March 6.

“I thought it just made sense,” Lawrence said. “Here at the University, we are engaged in a lot of water projects and work with a lot of community partners, including the Maumee area of concern. It seemed to be a nice fit for their audience and the type of conference that they’re looking to host.”

Lawrence proposed hosting the event here when he attended last year’s conference in Chicago, along with some colleagues. He believed UT would be ideal because of the community involvement in the Great Lakes, the central location within the Great Lakes basin, and the fact that it is situated in the Maumee area of concern.

Areas of concern typically exist at major cities with historical issues of water and sediment contaminants from industries, wastewater treatment plants and other sources, and they range in size and scope. The Maumee area of concern covers the lower Maumee River, the Ottawa River, Swan Creek and several other rivers within northwest Ohio.

Since President Barack Obama started the Great Lakes Restoration Initiative, it has brought in more than \$1.9 billion over the last five years to address beneficial use impairments, or BUIs, in Great Lakes areas of concern. A BUI means that there has been a change in the chemical, physical or



biological integrity of a water body; an area of concern must have at least one BUI, but typically has several.

One of the topics of the conference will be on funding and how to budget for different projects in order to address the wide range of BUIs still found at many of the areas of concern.

“People really want to know what the federal government is doing to help them achieve their goals,” said John Perrecone, environmental specialist with the EPA. “All of us that work on these projects feel very good about them because we know that the money being spent is going toward good outcomes, and I think this conference will showcase that.”

Funding from the Great Lakes Restoration Initiative partially helped fund the recent Ottawa River restoration project on campus that wrapped up in 2014. One area of focus this year will be the successes of such habitat restoration projects, which are being funded and implemented by federal and state agencies.

“Right outside the Student Union where the conference will be held, we have the opportunity to show one of those projects,” Lawrence said. “Assuming it’s not buried in two feet of snow and ice.”

One of the most important aspects of this conference is bringing together project veterans to share ideas and successes from across the Great Lakes basin. There also will be a special video presentation on Toledo’s water crisis last summer to show how the city handled it and what was learned.

“The problems that we had here in Toledo last August with the drinking water are something that is of great interest in other areas of the Great Lakes,” Lawrence said. “We will highlight interviews of local citizens and groups focusing on how the University and the Toledo area responded to that event.”

Though the conference is open to the public, it will largely be attended by representatives of local public advisory councils, staff from state agency areas of concern, representatives of tribal agency areas of concern, federal agency staff, and other stakeholders.

## Associate professor uses residency in Italy to collaborate on book

Writing a book can be a significant challenge no matter the circumstances, but imagine doing so on an emerging topic of research while competing with scholars across the globe for financial support from a prestigious foundation. Now imagine the difficulty of collaborating on the project with three other researchers — partners who are spread around the globe.

Not only did Dr. Barbara Alice Mann do all of this last semester, she helped to compile the research into a book over the span of just 15 days.

Mann, associate professor of humanities in the Jesup Scott Honors College, participated in the Bellagio Resident Fellows Program in Italy in November. She was there as a contributing author on an international project focusing on historical massacres.

The team has been working for the last five years to examine Tasmanian, North American, South African, and Napoleonic French colonial massacres between 1780 and 1820.

“We have been seeking to distinguish massacre from genocide — in assessing what constitutes massacre, its purposes, architects, initiators, effects, targets, and ultimate outcomes — looking for consistent patterns to see what conclusions might be drawn about them,” Mann said.

While at the Bellagio Center, she worked with fellow scholars Dr. Philip Dwyer and Dr. Lyndall Ryan, professors in the School of Humanities and Social Science at the University of Newcastle in Australia, and Dr. Nigel Penn, professor of historical studies at the University of Cape Town in South Africa.

In Italy, the team members combined their knowledge to define and assess

the colonial massacres executed against indigenous peoples by European explorers in North America, Tasmania, South Africa and Eastern Europe. This topic forms the subject of their forthcoming book, *The Dark Side of Empire: Colonial Massacres, 1780-1820*.

“Had it not been for the Bellagio residency, pulling all this together from the four corners of the world would have been almost insurmountably difficult,” Mann said.

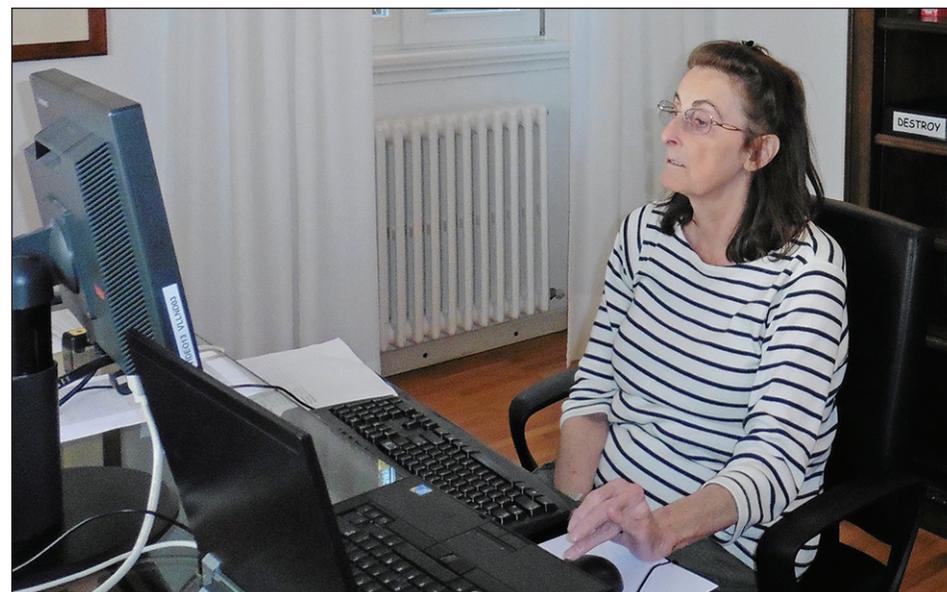
The team members arrived at the Bellagio Center having already completed their assigned research into the topic and then “pounded out the entire draft” of the manuscript into a “smooth, accessible treatment,” Mann said.

The program has been funded through the Rockefeller Foundation and is designed to foster focused, goal-oriented work in a serene environment — providing the opportunity to establish new connections with fellow residents.

Past applicants accepted into a residency program with the foundation include scholars, artists, thought leaders, policymakers and practitioners who share in the foundation’s mission of promoting the well-being of humanity throughout the world.

“The four of us were able to draft the entire book jointly in the three weeks we were in Bellagio,” Mann said. “Now we are revising, adding citations, et cetera, and figure to have that all done in March.”

Once the final draft is finished, they plan to send the book to readers in preparation for contacting publishers, starting with Harvard and Yale University presses, with the goal to have the book in print by the end of the year.



**THE ITALIAN JOB:** Dr. Barbara Alice Mann worked on an international project focusing on historical massacres in Italy in November thanks to the Bellagio Resident Fellows Program.

## UT Opera Ensemble to present Puccini's comic 'Gianni Schicchi' March 6-8

The University of Toledo Opera Ensemble will perform Giacomo Puccini's comic opera in one act, "Gianni Schicchi," Friday, March 6, through Sunday, March 8.

Performances will be at 7:30 p.m. Friday and Saturday and at 3 p.m. Sunday. It will be held in Doermann Theater with the audience seated on the stage with the performers, so spaces are limited.

Greed will take center stage as a wealthy dying man's relatives swarm like vultures as his time nears. After he dies, their "sorrow" turns to rage when they realize they have been cut out of the will. Since Gianni Schicchi, a local peasant, could easily pass for the dead man, they devise a plan to use

him to help change the will. But wily Schicchi turns their selfish plan into a clever trap.

Cast members are UT students Anne Valade as Gherardino and Guccio; Devon Desmond as Gianni Schicchi; Nnenne Edeh as Zita; William Floss as Gherardo; Lauren Kerr as Lauretta; Alex Marcano as Spinellocco and il Notario; Nadia Oselsky as Ciesca; Meridian Prall as Zita; Mike Vanderpool as Marco; and Kyle Trek as Pinellino. They are joined by 2013 UT alumnus Spencer Wilhelm as Simone, 2014 UT alumna Lena Miller as Nella, and Patrick Conklin as Rinuccio.

Advance tickets are \$10 for general admission and \$5 for students and seniors 60 and older. Visit [utoledo.tix.com](http://utoledo.tix.com).



Photo by Daniel Miller

**ON STAGE:** UT Opera Ensemble members performing Puccini's "Gianni Schicchi" are, front row, from left, Anne Valade, Lauren Kerr, Meridian Prall, Julian Vaughn (stage manager), Alex Marcano, Sonjia Fry, Lena Miller and Andreea Lee (accompanist); and back row from left, John Pearse (orchestra director), Nadia Oselsky, Kyle Trek, Spencer Wilhelm, William Floss, Mike Vanderpool, Devon Desmond, Nnenne Edeh and Dr. Denise Ritter Bernardini (UT Opera Ensemble director).

## Film on civil rights activist/lawyer to be shown March 4

By Rachel Phipps

A screening of "Justice is a Black Woman: The Life and Work of Constance Baker Motley" will take place Wednesday, March 4, at 11:45 a.m. in the Law Center McQuade Law Auditorium.



Motley

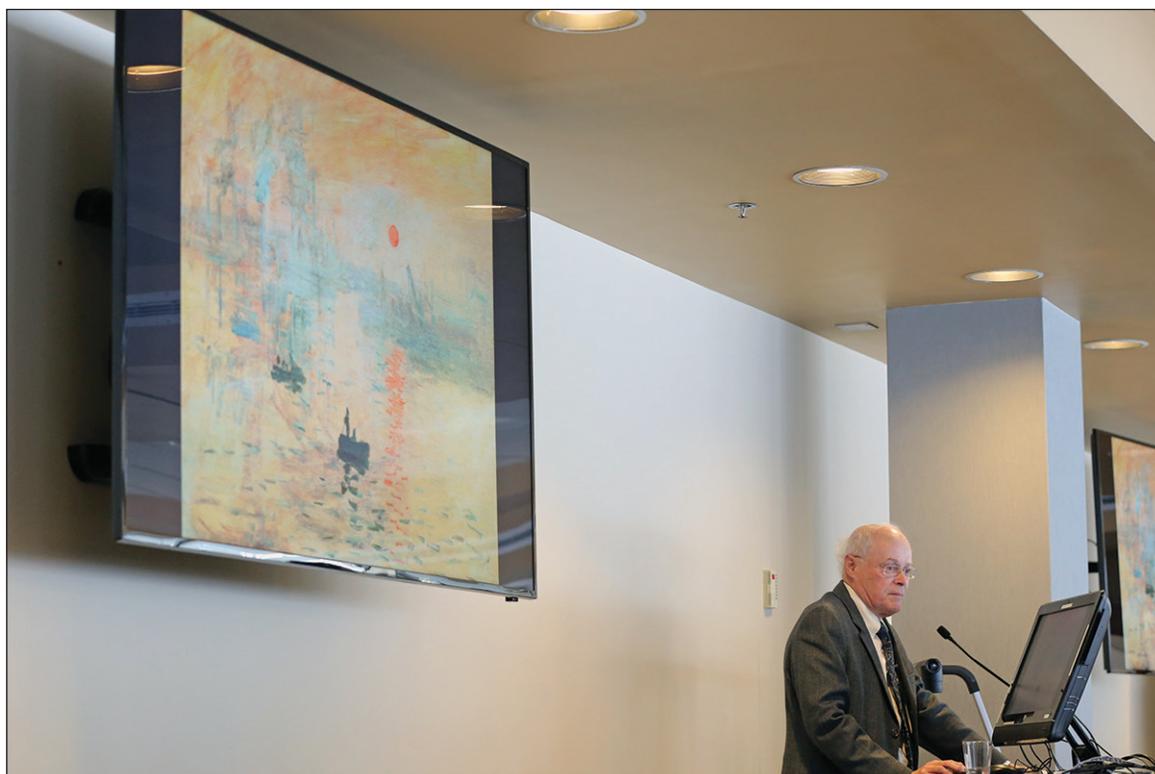
This documentary chronicles the life and work of civil rights activist Motley. As an attorney with the Legal Defense and Educational Fund, Motley became the lead lawyer in desegregation and trespass prosecution cases throughout the South after 1954, and won nine of 10 cases before the U.S. Supreme Court from 1961 to 1965.

She also was the only female attorney on the legal team that won the landmark desegregation case, *Brown v. Board of Education*.

In addition, Motley served as a state senator and a federal judge.

The film is narrated by Juan Williams and includes Dr. Maya Angelou, President Bill Clinton, Supreme Court Justice Steven Breyer, attorney Vernon Jordan, members of the Little Rock Nine, Charlayne Hunter-Gault and many others.

The free, public screening of the 57-minute film will be introduced by UT College of Law Dean Daniel Steinbock, former law clerk to Motley.



## Eyeing art history

Dr. James Ravin, clinical associate professor in the UT College of Medicine and Life Sciences, talked about Monet's "Impression, Sunrise" during his lecture titled "Eye Disease of Famous Artists" last month at a reception for the 2015 Health Science Campus Artist Showcase. He also signed copies of his book, *The Artist's Eyes*, which explores the relationship between vision, eye disease and art history. The 2015 Health Science Campus Artist Showcase will be on display through Monday, March 16, on the fourth floor of Mulford Library.

Photo by Daniel Miller

## Nurse speaks at Ohio Statehouse

By Cassandra DeYoung

**K**atie Bush, staff nurse and forensic coordinator for The University of Toledo Medical Center Emergency Department and president of the Emergency Nurses Association Seagate Chapter, spoke at Nurses Day Feb. 18 at the Statehouse in Columbus.

Nurses Day at the Statehouse provides information to nurses about getting involved with statewide legislation. During the event, nurses from across Ohio hear legislative news and information, watch legislative committees and hearings, and learn to communicate effectively with government officials.

“Legislators look to nurses, the ones who have experience related to patient care, to see what should be done,” Bush said. “The stories from nurses with hands-on experience help get important legislation passed that impacts our community.”

Bush attended the event as the Ohio State Council Government Affairs representative for the Emergency Nurses Association, a national organization



Katie Bush, staff nurse at UT Medical Center, spoke at Nurses Day at the Statehouse in Columbus last month.

dedicated to shaping the future of emergency nursing and emergency care through advocacy, expertise, innovation and leadership.

She spoke on various topics the Emergency Nurses Association supports, including increased access to naloxone for the opioid overdose, the creation of lack of capacity legislation, and legislation to create a state trauma board. It was her second time speaking at Nurses Day at the Statehouse.

Bush also has traveled to Washington, D.C., for three consecutive years to support legislation that affect nurses on the federal level.

## Bookstore to host Graduation Fair

By Cassandra DeYoung

**T**he University of Toledo Bookstore will hold a Graduation Fair Tuesday and Wednesday, March 3 and 4, from 10 a.m. to 7 p.m.

“Representatives from graduation product companies will be at the event so students can actually talk to a person before they make a purchase,” said Colleen Strayer, general manager of the bookstore.

Companies with representatives attending the event will include Oak Hall, Balfour, Framing Success, Church Hill and Herff Jones. Their products range from caps and gowns, class rings and announcements to diploma frames and nursing pins.

The event will feature a DJ from WXUT and a photo booth with props such as 2015 glasses, boa, mustaches, jester hats and beads.

“Career Services also will be at the event to offer advice and direction for students who are seeking help in that area,” Strayer said.

Every student who tries on a cap and gown will be entered into a drawing to win a free diploma frame, cap and gown, alumni gift pack, or 10 percent off coupon good toward a purchase of UT clothing and gift items.

The bookstore also is offering 10 percent off diploma frames during the two-day event.

“We host this event twice a year, once in October and once in March, for students who like to get an early start,” Strayer said.

## Free tax preparation help available on campus

By Bob Mackowiak

**U**niversity of Toledo faculty, staff and students who need help preparing their 2014 tax returns, and who meet eligibility requirements, can obtain free assistance here on campus.

The United Way of Greater Toledo is again offering its Free Tax Preparation program at UT, thanks to the assistance of trained volunteers.

The UT College of Business and Innovation is one of the designated locations providing the free tax preparation assistance. The service is provided, by appointment, in the Alan Barry Accounting Lab, located in the Savage & Associates Business Complex Room 2130.

Several business students, including many accounting majors, are among the volunteer corps helping prepare taxes.

The program is available to individuals and families making \$53,000 or less in 2014. Appointments are required and may be made through the United Way by dialing 2.1.1, or 1.800.650.HELP.

This is the fourth year the UT College of Business and Innovation is partnering with the United Way Free Tax Preparation Program.

Last year, the program helped more than 3,400 area taxpayers, bringing more than \$4.5 million back to the northwest Ohio community.

Form	<b>1040</b>	Department of the Treasury—Internal Revenue Service (99)	<b>2014</b>	OMB No. 1545-0074	IRS Use Only
For the year Jan. 1–Dec. 31, 2014, or other tax year beginning , 2014, ending , 20					
Your first name and initial		Last name			
If a joint return, spouse's first name and initial		Last name			
Home address (number and street). If you have a P.O. box, see instructions.					Apt. no.
City, town or post office, state, and ZIP code. If you have a foreign address, also complete spaces below (see instructions).					
Foreign country name		Foreign province/state/county		Foreign postal code	
<b>Filing Status</b>	1 <input type="checkbox"/> Single	4 <input type="checkbox"/> Head of household (with qualifying person is a child b			
Check only one box.	2 <input type="checkbox"/> Married filing jointly (even if only one had income)	5 <input type="checkbox"/> Qualifying widower (with de			
	3 <input type="checkbox"/> Married filing separately. Enter spouse's SSN above and full name here ▶				

## Historic designs



Photo by Daniel Miller

International engineers from Owens-Illinois visited the Ward M. Canaday Center for Special Collections Feb. 20 to look at historical materials dating back to the founding of the company that are preserved at the center. The engineers, part of O-I's Lean Six Sigma Master Black Belt program for continuous improvement, were from France, Colombia, Poland, Italy and Peru. Also attending were local O-I company representatives, including Bob Harman, second row third from the left, and Lynn Tilson, front row. The engineers had a chance to look at original drawings by Michael Owens of his early ideas for the automatic bottle machine dating back to the early 1900s.

## Chemist to talk tunes during March 4 visit

By Lindsay Mahaney

Chart-toppers and musical hits will be discussed in a presentation this week, but it won't be coming from the music department.

Dr. William Carroll will give a talk, "Statistics and the Shirelles: How Physical Sciences Thinking Informs Popular Music Analytics," as part of the Frontiers in Chemistry Lecture Series Wednesday, March 4, at 7 p.m. in Memorial Field House Room 2100.

Carroll has served as chair of the board of directors and president of the American Chemical Society. In addition, he is a Fellow of the Royal Society of Chemistry, a member of the advisory board for the Tulane School of Science and Engineering, vice president of industry issues for Occidental Chemical Corp., and adjunct professor of chemistry at Indiana University.

"To have someone of his stature coming to The University of Toledo is a huge deal," said Dr. Jim Zubricky, UT associate lecturer in chemistry.

The talk is based on Carroll's Popular Music and Society paper "Not So Lonely at the Top: Billboard #1s and a New Methodology for Comparing Records, 1958-1975." He has recently expanded his database through 1980 and will compare the history of Billboard chart songs that were popular in that era, and discuss the methodology for creating the charts.

"This is some unique research that I've always wanted to do that I've never had time for until the last couple years," Carroll said. "I always felt that there were ways of analyzing a record's chart behavior in order to find the strongest records in a given period of time."

Carroll explained that it's difficult to determine the "best" records because that's a subjective term; but you can objectively determine which had the strongest chart history. However, you first need a basis on which to compare two songs from different eras, plus you must consider the evolution of the charts themselves.

The first issue was tackled with the area under the curve approach, Carroll said. This method was developed in the 1970s by assigning a point value to each chart slot. The difference in importance between one and two on the chart is much greater than the difference between 99 and 100 — higher slots are given greater value. Using this point system, researchers can make a bar graph with a point value for each week a song is on the chart.

"The bars have the same width — one week — but different heights. So you can calculate the area of each of those rectangles simply by adding the weekly scores together and get what we call the area under the curve," he said.

Since this method was developed, at least six more methods have been created, used and written about, Carroll said.

While many similar studies have been done on this topic, Carroll said there was one new piece of the puzzle that he contributed to the discussion: all previous studies ignored the fact that the charts changed over time.

He explained that in the mid-1960s, about 750 songs would enter the charts in a year. But in the 1970s, that decreased to only 400 songs. Each year there are only so many spaces on a chart, meaning there is a fixed amount of space occupied by songs. If you divide that space by a higher number of songs, you get a lower average score for the songs in that era.

"The score of an average song in 1967 would be significantly lower than in 1977, simply because of the denominator — the number of songs entering the charts," he said. "So if you can't rely on an average song having the same score, then you're going to have trouble comparing one era to another and also determining what constitutes a really above-average song."

What Carroll concluded was that researchers have to compare songs that were on the chart contemporaneously. Those with the highest score compared to records on the chart at the same time are ranked strongest.

However, the more important thing he wants viewers to take away from his talk is that the tools taught in chemistry class can be applied to other situations.

"The moral of the story is that for people who are science students — they go to laboratories, they think chemistry professors are just teaching you this stuff so you can do labs," he said. "But it's not just that. We teach you methods of visualization, of graphing, of statistics, because these are ways of dealing with data. It's not just a chemistry experiment; it can be a popular music chart. You'll use similar tools for any kind of data."

Zubricky said that UT tries to instill this philosophy in chemistry students. Interdepartmental research relationships are constantly being formed between students and faculty, he said.

"Even though these are ideas we teach in chemistry classes, these can be applied to everyday problems," Zubricky said. "The stuff that we're talking about in general chemistry, the same kind of critical thinking skills that are applied in real-life issues. That's one of the things I really stress in my classes."

For more information on the free, public event, contact Zubricky at james.zubricky@utoledo.edu.

## Professional Staff Association Sick Leave Bank enrollment open

Open enrollment for the Professional Staff Association's Sick Leave Bank will take place through Tuesday, March 31.

The bank is a voluntary program open exclusively to Professional Staff Association (PSA) members on all UT campuses.

Eligible employees are defined in PSA bylaws as "all non-bargaining unit employees on all campuses whether salary or hourly, classified or unclassified, full or part time, excluding those with faculty rank."

According to Deb Sobczak, chair of the PSA Sick Leave Bank, the bank collects one-time, voluntary donations of sick time from PSA personnel to assist those who may be stricken with catastrophic injury or illness.

"It's a way to help our colleagues bridge a gap of time between the exhaustion of their benefits from sick, personal and vacation days and when they qualify for long-term, permanent disability benefits," Sobczak explained.

"The bank is used only for PSA Sick Leave Bank members with personal catastrophic illness or injury."

She said full-time PSA members may donate 16 hours and part-time members may donate eight hours of personal sick time to the bank, which is administered by Human Resources and Talent Development. Participants donate the time only once, no matter how long they continue their employment at UT.

To enroll, go to the HR Labor Relations Forms web page at [utoledo.edu/depts/hr/forms/labor.html](http://utoledo.edu/depts/hr/forms/labor.html), look under the Sick Leave Bank-PSA heading and then click on the PSA Sick Leave Bank 2015 donation form link.

Mail the completed form to PSA Sick Leave Bank, care of Deb Sobczak, MS 608, by March 31.

Additional details, including links to the sick leave policy and the list of current Sick Leave Bank members, are available at [utoledo.edu/org/psa/sickleavebanknew.html](http://utoledo.edu/org/psa/sickleavebanknew.html).

# UT NEWS

UT News is published for faculty, staff and students by the University 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 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 Communications Office, The University of Toledo, Toledo, OH 43606-3390.

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## Office of Recreation to manage Morse Center beginning next month

Starting April 1, the Morse Center will be under the management of the UT Office of Recreation.

“We are excited about this opportunity to provide quality recreation and physical fitness services across all campuses,” said Demond Pryor, director of the Office of Recreation.

This transition will allow UT employees access to the Morse Center on Health Science Campus along with the Student Recreation Center on Main Campus at no cost.

In the coming weeks, employees will be asked to complete a quick registration process that will take effect Wednesday, April 1. During this transition, employees should know:

- The Morse Center hours of operations will remain the same: Monday through Friday, 5 a.m. to 9 p.m.; Saturday, 6 a.m. to 6 p.m.; and Sunday, 1 to 4 p.m.
- Group exercise classes will remain, and programming will be managed by UT Rocket Wellness.

All current services will be evaluated to determine future offerings.

“It is our hope that our employees, faculty and staff will look to the Morse Center and the UT Student Recreation Center for their recreation and physical fitness needs,” Pryor said.

For more information about the Morse Center and the Student Recreation Center, go to [utrecenter.com](http://utrecenter.com) or contact Pryor at [demond.pryor@utoledo.edu](mailto:demond.pryor@utoledo.edu).

## UT community can nominate outstanding students, student organizations

The annual season of recognition for outstanding members of the UT community includes a student component via the Parks-Thompson Student Organization Awards and the Multicultural Student Leader Awards.

Both awards include multiple categories for student organizations and individuals, and both are open to nominations through Friday, March 13.

“This year, monetary awards will be given in conjunction with recognition awards. For winning student organizations, the award amount will be added to the 2015-2016 operating budget in addition to the base budget already allocated. For Multicultural Student Award winners, Rocket Dollars will be part of the award,”

said Tamika Mitchell, dean for the student experience.

Students are the source for most of the nominations received, she added, but staff and faculty are encouraged to bring forward rising multicultural student leaders who deserve recognition, as well as high-performing student organizations.

Complete information and nomination forms for the Parks-Thompson awards (named to honor Donald S. Parks, longtime dean of students, and Dr. Lancelot C.A. Thompson, former vice president of student affairs) can be found at [utoledo.edu/studentaffairs/osi/parksthompson](http://utoledo.edu/studentaffairs/osi/parksthompson).

The Multicultural Student Leader Awards are found at [utoledo.edu/studentaffairs/osi/oemssawards.html](http://utoledo.edu/studentaffairs/osi/oemssawards.html).

## Wear blue March 6 to raise colon cancer awareness

By Kevin Bucher

The UT Medical Center Endoscopy Unit encourages everyone to wear blue to raise awareness about colon cancer Friday, March 6, as a part of National Wear Blue Day.

“Colon cancer is the second leading cancer-related cause of death in the U.S.,” said Terri Armstrong, UTMC endoscopy nurse manager. “Screening is the best way to find colorectal cancer early because it looks for cancer in people who do not have any symptoms.”

Members of the unit will be in the Four Seasons Bistro handing out numerous goodies March 6.

To further improve professionalism and further demonstrate commitment to the gastroenterology and endoscopy nursing field, the UTMC Endoscopy Unit is rejoining the Society for Gastroenterology Nurses and Associates.



**Dress In Blue Day**  
For a Future Free of Colon Cancer™  
A COLON CANCER ALLIANCE PROGRAM

The society is a professional organization of nurses and associates dedicated to the safe and effective practice of gastroenterology and endoscopy nursing.

Disbanded three years ago, the Maumee Bay chapter is now led by UT health endoscopy nurses and has rejoined the national organization.

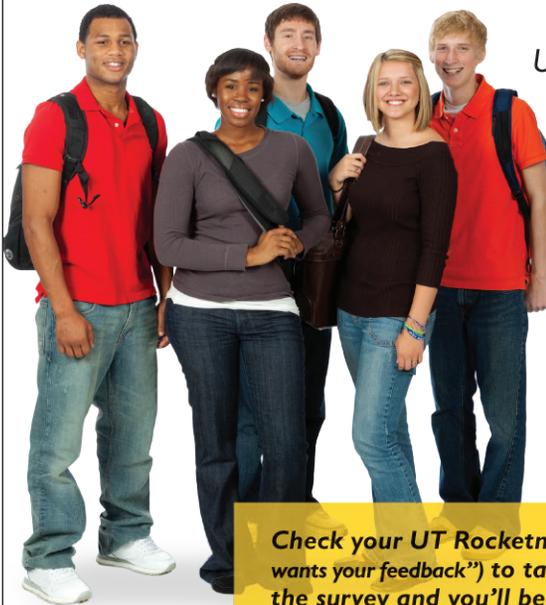
The Maumee Bay chapter will support the future growth of the UT Health Endoscopy Unit and its nurses and technicians.



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# Freshmen & Seniors:

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*You talk — we’ll listen. Your voice can make a difference at UT!*

*All responses will be kept confidential. If you have questions about the survey or how we will use the results, contact Geoffrey Martin, Institutional Research, at [geoffrey.martin@utoledo.edu](mailto:geoffrey.martin@utoledo.edu).*



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