Pharmacologist receives $1.2 million grant to research rheumatoid arthritis

By Samantha Watson

A molecule found in green tea could hold the secret to helping those with rheumatoid arthritis, according to Dr. Salah-uddin Ahmed, an assistant professor of pharmacology at The University of Toledo.

Ahmed recently received a $1.2 million grant from the National Institute of Arthritis and Musculoskeletal and Skin Diseases, part of the National Institutes of Health, to continue his work with the molecule epigallocatechin-3-gallate (EGCG). The grant will fund research on the molecule for five years.

EGCG, which is naturally found in green tea, is a molecule that inhibits inflammatory proteins produced in arthritic joints. Ahmed has been studying this phenomenon in different arthritic models in his lab for years. In early studies, animals with induced arthritis displayed reduced symptoms when given EGCG treatment.

By isolating human synovial cells obtained from joint replacement surgeries and creating an environment similar to that in the joints of patients with rheumatoid arthritis, Ahmed discovered that EGCG is particularly effective against interleukin-6 (IL-6). The molecule IL-6 has been shown to play an important role in the pathogenesis of rheumatoid arthritis, and in high levels it also can affect vital organs like the heart and liver by causing systemic inflammation.

Using human cells and animal models of rheumatoid arthritis, Ahmed’s lab is trying to understand the underlying mechanism through which EGCG inhibits IL-6 mediated inflammation and joint destruction.

Ahmed hopes that the success from this study may lead to the development of treatment options that will one day replace existing expensive biological therapies for rheumatoid arthritis, which can cost patients thousands of dollars.

“What we are trying to test is if we can harness something that is natural, might have less-adverse effects, and be cost-effective, too,” Ahmed said, adding that he would like to continue his research into synthesizing and improving the EGCG molecule to make it more effective.

“One of the advantages I have at UT as a pharmacologist is the collaboration with the Department of Medicinal and Biological Chemistry,” Ahmed said.

Assistant professor wins Early Investigators Award for research on women’s health

By Samantha Watson

Dr. Jennifer Hill, an assistant professor in the UT Department of Physiology and Pharmacology, is one of eight recipients of a 2013 Early Investigators Award from the Endocrine Society.

The award is sponsored by Amgen, Pfizer Inc. and recognizes outstanding individuals early in their careers who research women’s health.

“IT’s a really critical period of your career,” Hill said.

“Your’re establishing yourself, your own laboratory, and working on your independent research direction.”

Hill’s research is focused on Polycystic Ovary Syndrome (PCOS) — a syndrome that affects 10 percent of women. Women with PCOS have an imbalance of hormones that can lead to irregular periods, unwanted hair growth, acne and fertility problems.

The syndrome can put women at risk for type 2 diabetes, heart disease and other problems.

Since joining UT’s faculty in July 2009, Hill has performed research on how metabolic challenges such as obesity and insulin resistance impact fertility and PCOS development.

“This is a very important issue for women’s health, and there is a limited amount of research that can be done on
Sanjay Gupta Sagar, a doctoral student in the UT Department of Health and Recreation Professions, is spending his summer interning for the World Health Organization (WHO) offices in Europe.

Through July, he is based in the Bonn, Germany, office, where he will compile a summary analysis of the 2013 Joint Monitoring Program report for the WHO European region, map potential donors and foundations for water health, collect data and literature review on the water-related disease situation in Europe, and update the WHO European Region atlas on water and health.

“Europe was my first choice,” said Sagar, who also was accepted to the Nepal WHO office and the United Nations International Children’s Emergency Fund in India. “I am originally from Nepal, which is in South Asia and hence, I do have understanding of public health in that region. I was never exposed to Europe, and that is why it was my first choice.”

Once he completes his studies and has had significant exposure in the field, his goal is to work with WHO and make a difference in public health.

Pharmacologist
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Ahmed said, “We are able to start collaboration with medicinal chemists on campus to see if there are options to modify this molecule and make it work much better.”

Ahmed said he looks forward to engaging students in his research because one of the rewarding aspects of his job is being a mentor to graduate and undergraduate students. He enjoys watching them discover their potentials, learn to conduct biomedical research, and find their suitable career paths.

INVESTIGATIVE TEAM: Assisting Dr. Salah-uddin Ahmed, right, with his research are students, from left, Maria Beamer, Shay Riegsecker, Wylie Wingert; Karissa Cottier and Yeahwa Hong.

SWEET TIME: David Dabney, chief financial officer and vice president for finance, sliced into his retirement cake during a party last month. He joined the University as vice president for finance in 2008 and was promoted in 2011. A certified public accountant, a certified internal auditor and a certified investments and derivatives auditor, Dabney oversaw Auxiliary Services, Budget Office, Controller, Internal Audit, Information Technology, Supply Chain Management and Treasury. In addition, he was involved with the University Foundation’s Real Estate Corp. and UT’s economic development activities through the Innovation Enterprises operation.
Changes to Rocket Wireless system put customer in charge

By Samantha Watson

Rocket Wireless customers at The University of Toledo now have more control over when and where they make their monthly payments and equipment orders.

Starting July 1, Rocket Wireless switched from automatic credit card and payroll deduction for monthly payments to a system that allows customers to make payments when most convenient to them. This new system allows customers to choose when they pay their bills online.

“As a Rocket Wireless customer myself, knowing that I have the security of picking the date on which I wish to pay my bill puts the power back in my pocket,” said Joy Seifert, director of auxiliary services.

The efficiency of the new system also allows customers to order their equipment without coming into the store. By ordering and paying online, the orders are placed immediately rather than being processed the following day.

Because some customers prefer automatic payments, Rocket Wireless is working to add that feature in the fall with the use of a third-party payment process company. Making payments through this system rather than payroll deduction not only will reduce error, but will be more efficient for the University as the process previously had been done manually.

The utilization of the third-party company also allows American Express users the opportunity to make payments, in addition to the already accepted Visa, Mastercard and Discover. Customers also have the option to make a payment with e-checks.

In the first few weeks, there were more than $9,000 in equipment orders and $16,000 in monthly payments with Rocket Wireless customers using the service before it became required July 1.

“We have heard feedback from customers who have loved the change and others also have had some concerns on the system, but the positive feedback far outweighs the negative,” Seifert said. “We’re listening to our customers.”

Monthly payments are still due on or before the 21st of each month. To make payments or view your account, visit myrocketwireless.utoledo.edu.

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Dates to remember

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Women are encouraged to refer for any classes or receive housing assignments.

Impact students also could experience negative credit reporting.

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Early Investigators Award

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Women themselves,” Hill said. “If you really want to get at the mechanisms behind the disease, you need to go to animals.”

With the use of animals, particularly mice, Hill and her colleagues can do more than blood testing and monitoring — some of the only ways to ethically study the disease in humans.

Hill and her lab assistants work with mouse models to understand the relationship between PCOS and metabolism. Some of these models have a genetic resistance to insulin and others are given high levels of testosterone to induce PCOS symptoms such as ovarian cysts and irregular reproductive cycles.

“Ideally, five years down the road, we’d like to move into translational research,” Hill said. “I want to be able to identify biomarkers in the mouse models that we then test in humans.”

Hill expressed optimism that the award would open doors for future research grants and raise the profile of the lab nationally.

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In memoriam

Trisha Ann (Adamski) Appelhans, Luckey, Ohio, a paramedic and nurse in the UT Medical Center Emergency Room from 2000 until 2012, died June 22 at age 34.

Richard “Rick” P. Byrnes, Fremont, Ohio, former instructor who taught physics and mathematics, died June 11 at age 70.

Dr. William J. Lenz Jr., Toledo, died June 30 at age 68. He held a volunteer faculty appointment as a clinical assistant professor in the Department of Psychiatry from 1977 to 1995 and as a clinical associate professor from 1996 to 2004.

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Vote for a local band to open Music Fest!

Check out the top 10 bands and vote for your favorite!

Go to Facebook.com/UTMusicFest

Voting will take place from Tuesday, July 9, through Monday, July 15.

The winner will be announced Tuesday, July 16, on myut.utoledo.edu.

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Other important dates

Detailed information regarding important dates for fall semester is available at utoledo.edu/offices/treasurer.

Students are encouraged to contact Rocket Solution Central at 419.530.8700 for assistance.
Golfer to compete in LPGA Marathon Classic Qualifier July 15

By Steve Easton

Senior Kate Hoops is scheduled to participate in the qualifier for the 2013 LPGA Marathon Classic presented by Owens Corning and Owens-Illinois Inc.

The qualifier will take place at the Sylvania Country Club Monday, July 15, with the tournament to be held July 18-21 at Highland Meadows Golf Club in Sylvania.

“This is very exciting for Kate and our golf program,” Toledo Head Coach Nicole Hollingsworth said. “We are so thankful to Judd Silverman and Sandy White for making this opportunity available to a University of Toledo golfer.

To be a collegiate golfer and have the opportunity to make it into the Marathon Classic is a great one, and we’ve been fortunate to have it every year the tournament has been held since 2004. I can’t wait to see how Kate does.”

Hoops earned second-team All-Mid-American Conference honors this past season after ranking ninth in the league with a 77.3 stroke average, the fifth-best mark in school history. She posted the best showing of her career with a third-place finish (72-76-73=221) to help UT win the Eastern Kentucky University Colonel Classic. Hoops also notched her career low with a three-over par 219 (71-76-72) to place fourth at the Ocala Invitational.


Rocket football to host golf outing at Stone Oak July 26

By Paul Holyn

The University of Toledo football program will host its 13th annual golf outing Friday, July 26, at Stone Oak Country Club in Holland, Ohio.

The outing gives fans a chance to golf with Rocket coaches and former UT football players, as well as a chance for former players to re-connect.

Other highlights will include raffle prizes and an auction of Rocket football items.

There are also opportunities for hole sponsors. All proceeds benefit the football program’s Rocket Fuel fund.

Registration and lunch will begin at 11 a.m. with the shotgun start following at 12:30 p.m. The dinner reception and auction will start around 5:30 p.m.

For more information, call John Kuceyeski, UT director of football operations, at 419.530.3637 or email at john.kuceyeski@utoledo.edu.

Down by the River

The President’s Commission on the Ottawa River in 2009 started the habitat restoration efforts for the 3,700 feet of the waterway that runs through Main Campus. This current work is funded with a $235,000 grant from the Ohio Environmental Protection Agency and a $151,000 grant from the U.S. Fish and Wildlife Service and represents the largest project undertaken to date by the commission.

The restoration project also involves the assistance of Toledo Metropolitan Area Council of Governments, EnviroScience, Partners for Clean Streams, Ohio EPA and the U.S. Army Corps of Engineers.

Ecological Restoration Inc. has been hired for the final in-stream restoration phase, which is scheduled to be complete Aug. 16. Signs will be placed along the river to inform the community of the work being done; however, no bridges or roads will be closed during the restoration, and disruptions to the University community will be kept to a minimum, Lawrence said. A workshop and public tour about the project are being planned for early August.

Summer is the best time to complete the project because there are fewer people on campus, the river water is at its lowest levels, and it is after the fish-spawning season during the spring, reducing impacts to the natural habitats, Lawrence said.

The in-stream work is the final phase of the project that has included adding more than 300 native plants and trees along the banks of the river and creating a cut bank area near the Law Center last summer that will allow for more water storage during higher river levels.

Another related milestone for the Ottawa River on Main Campus was achieved in February 2012 when the fish consumption advisory, with the exception of carp, was lifted for the river by the Ohio Department of Health and the Toledo-Lucas County Health Department. The advisory had dated back to 1991 when it was issued by the Ohio Department of Health as a result of the decades of manufacturing activity and improper waste disposal of hazardous substances in the Ottawa River and its watershed.

“We have more than 40 fish species in the river, and we’ve noticed additional wildlife such as small mammals, birds, turtles, frogs, mallard ducks and Canada geese,” Lawrence said. “We look forward to the completion of the restoration that will further enhance the river and add more wildlife diversity.”

Final phase of Ottawa River restoration to begin July 29

By Meghan Cunningham

The restoration of the portion of the Ottawa River flowing through The University of Toledo Main Campus soon will be complete with the final phase of in-stream work to begin this month.

Student workers of the Maumee Conservation Corps from Partners for Clean Streams already have begun some clearing of the riverbanks to prepare for the major in-stream construction work that is scheduled to begin Monday, July 29. The clearing will remove non-native invasive plants along the riverbank with no extensive removal of trees planned, and replanting of native species will take place later this summer.

“This phase will focus on aquatic improvements, including adding large rocks and logs to mimic natural water flow and get a ripple effect in the water,” said Dr. Patrick Lawrence, professor and chair of the Department of Geography and Planning, and chair of the President’s Commission on the River. “Right now the river is essentially uniform with very limited ripples or turbulence. Adding these natural materials will make for more diversity to the aquatic habitat giving fish and other aquatic organisms more places for nesting, spawning, food and shelter.”

Photo by Dr. Patrick Lawrence
Discover downtown Toledo with walking tours

By Casey Cheap

Explore downtown Toledo this summer with free, guided lunchtime tours starting Thursday, July 11.

The walking tours will be held every Thursday from noon to 1 p.m. through Aug. 29. Some of the tours include the Adams Street uptown neighborhood and the Oliver House, Toledo’s oldest commercial building.

“The walking tours give us all a chance to take a closer look at what makes our city beautiful and unique,” said Sue West, assistant director of the UT Urban Affairs Center. “New to this year’s tour is the uptown Adams Street tour and what makes the area so hip, which I think people will enjoy.”

Tours will take place rain or shine and are sponsored by the UT Urban Affairs Center and the Toledo-Lucas County Public Library.

The tour schedule is:
- **July 11** — Wright Harvey House, one of Toledo’s finest examples of early 1880s architecture. Meet at 1822 Cherry St. Park next to house on the east side of the building.
- **July 18** — Casey Pomeroy House. See what comes after an extreme makeover. Meet at 802 Huron St.
- **July 25** — Revealing a Panther: Owens Corning World Headquarters. Meet at main entrance and park in main parking lot. Reservations are required and the tour is limited to 30 people. RSVP by Tuesday, July 23, to 419.259.5233 or irene.martin@toledolibrary.org.
- **Aug. 1** — Discover the Oliver House, the oldest commercial building in Toledo. Meet at 27 Broadway St. in the parking lot near the entrance to the Maumee Bay Brewing Co.
- **Aug. 8** — Scott High School at 100. Come and see how great the building looks after its renovation. Meet and park in the school parking lot at the back of the building.
- **Aug. 15** — The Blade Building, home to one of Toledo’s longest running businesses. Meet at main entrance, 541 N. Superior St.
- **Aug. 22** — Unmasking the Warehouse District: St. Clair “Hipster” Village. Meet at Downtown Latvia, 44 S. St. Clair St.
- **Aug. 29** — Uptown Adams Street ... not downtown Adams Street. What makes uptown hip? Meet at 17th Street and Adams Street.

“I hope the tours help people gain an appreciation for the history of the city and the variety of buildings that we have,” said Irene Martin, a preservationist at the Toledo-Lucas County Public Library. “Toledoans should see a structure’s possibilities and not tear down every old building. Many can be saved and renovated.”

For more information on the Discover Downtown Walking Tours, contact Martin at 419.259.5233 or irene.martin@toledolibrary.org.

Exhibition featuring works by UT art faculty to open July 11

Check out nearly 30 downtown Toledo galleries, studios, businesses and eateries to see works by hundreds of local and national artists during the Art Walk this summer.

The free, public Art Walk program sponsored by the Arts Commission will take place on Thursdays, July 11, Aug. 8 and Sept. 12, from 6 to 9 p.m.

Maps of participating venues are available one week prior to the walks; go to theartscommission.org/programs/art-walk.

As part of Art Walk, the exhibition titled “Transcending Text” will bring together award-winning and internationally exhibited artists who explore the disconnection between text, language and meaning.

The exhibition opening will be held Thursday, July 11, from 6 to 9 p.m. at the Secor Gallery, 425 Jefferson Ave.

UT artists with work featured in the exhibit are:
- Barbara WF Miner, associate professor and associate chair of the Art Department. Her encaustic paintings use text as abstract symbols: letters, characters, cuneiforms and hieroglyphs. “When a letter or a pictograph is separated from the rest of the communication system, it becomes unintelligible and is cast adrift from concrete meaning like a discarded implement,” she said.
- Barry Whittaker, assistant professor of art. His work explores the challenge in communication, especially when there is technology involved. “It’s the equivalent of deconstructing all one’s thoughts in a food processor and handing the pieces to one person who will deliver them to another person, who will reassemble them for the intended recipient of the message,” he said. “The hope is that he will get the idea of what is being said, but it is likely that important parts will be missing.”
- Holly Hey, associate professor of film. Her “MOM MOM” is a moving image loop that simultaneously contemplates and confronts social, cultural and familial notions of the word “mother.”

“Transcending Text” will be on display through Wednesday, July 31. The free, public exhibit may be seen Tuesday through Saturday from 5 to 11 p.m.

For additional information about “Transcending Text,” call at 419.514.7496.
Women & Philanthropy at UT announces 2013 grant award winners

Women & Philanthropy, a volunteer organization that promotes The University of Toledo through investments and grants to UT initiatives, soon will announce that it has awarded two grants for 2013 that total $38,000 in pledges over a two-year period.

The announcement will be made by chair Marianne Ballas at the Women & Philanthropy Summer Social Friday, July 12, to be held at the home of Fran and Dick Anderson, 1833 S. Holland-Sylvania Road in Maumee. The program will begin at 6:30 p.m.

The first grant, in the amount of $15,000, will be awarded to the UT Lake Erie Center to fund interactive computer displays. The center is located on the shores of Lake Erie approximately 15 miles east of UT’s Main Campus. This project will create and install hands-on educational exhibits in the lobby of the center to expand and enhance engagement with members of the University community, K-12 students and teachers, and the public.

Utilizing iPads, touch-screen kiosks and other technologies, the computer displays will present Great Lakes science and research in a fun, interactive and meaningful way. Planned displays include global climate change, ecosystem invaders such as zebra and quagga mussels, algae and other water quality concerns, weather instrumentation, fish species of the Great Lakes, beach health, and a hands-on children’s discovery area.

Meredith Gray, the center’s communications and technology specialist, said, “We are thrilled and honored that Women & Philanthropy at UT has chosen to fund our project. The new educational displays will offer an interactive learning experience for a broad audience, centered on the nature and importance of the Lake Erie ecosystem, and highlighting the UT Lake Erie Center’s excellent scientific research.”

Once completed, the lobby will be named for Women & Philanthropy.

Rachel Lohner, education program manager at the Lake Erie Center, added, “I am excited to see the project come together and transform our lobby into a dynamic educational environment that will increase our foot traffic and allow the opportunity to interact with a diverse audience of visitors through tours, school visits and internships.”

The UT Department of Intercollegiate Athletics also will receive a 2013 grant from Women & Philanthropy. This grant will provide $25,000 to renovate the media room in Savage Arena.

“Our department is truly appreciative to be the recipient of the Women & Philanthropy grant this year,” said David Nottke, senior associate athletic director for development and external affairs. “The grant will allow us to make much-needed improvements to our media room and further assist in our departmental branding efforts. Thank you to the members of Women & Philanthropy for helping this project become a reality.”

The media room is used to host media and news conferences for men’s and women’s basketball, women’s volleyball games, and special events such as football signing day, graduations, concerts, meetings and high school basketball tournaments. The grant will be used for improvements that will include colorful graphic images wrapped around the walls to depict the history and tradition of Rocket athletics.

The objective of this project is to provide the University one of the best media rooms in the Mid-American Conference, further enhancing UT’s image as a major player in the world of college athletics.

“On behalf of the Athletic Department at The University of Toledo, we want to extend a sincere thank-you to Women & Philanthropy for its grant to update and improve our media room in Savage Arena,” said Mike O’Brien, vice president and director of intercollegiate athletics. “This grant will help our department represent the University in a first-class manner.”

The Department of Intercollegiate Athletics is pursuing naming rights of the media room in honor of Women & Philanthropy.

“The quality of the applications and the level of competition for our grants are outstanding, making the award process both challenging and exciting,” said Nancy Lapp, chair of the Women & Philanthropy grants committee. “We continue to be impressed by the University’s outstanding programs and projects, and we are proud that we can show our support in the form of these awards.”

Women & Philanthropy at The University of Toledo was chartered in 2006 and made its first award to UT in 2008. Through this giving circle, members of diverse backgrounds and interests work collaboratively and pool their charitable gift dollars to make positive, meaningful and immediate impacts at the University.

In just six years, the group has gifted $214,931 in 10 grants to the University, according to Chris Spengler, director of advancement relations in Institutional Advancement, and a member and administrative contact for Women & Philanthropy.

Through their generous support, members of Women & Philanthropy have created a permanent legacy at The University of Toledo, Ballas said.

“Our goal is to unify and collaborate with many women to make a difference at The University of Toledo. These gifts are examples of what we can do with a membership of only 60 women. We invite all women to research our group and consider a membership. Collective and collaborative giving is powerful, and that’s what Women & Philanthropy is all about,” Ballas said.

Applications for 2014 grants will be available in late fall.

Additional information about Women & Philanthropy is available at utoledo.edu/offices/women_philanthropy.
Patient, child advocacy graduate programs now enrolling

By Casey Cheap

The College of Criminal Justice and Human Service at The University of Toledo is taking applications for incoming graduate students interested in the Patient Advocacy Graduate Certificate or Child Advocacy Graduate Certificate programs.

Both programs consist of four courses over two academic semesters that are completed online. The application deadline is Thursday, Aug. 1, and classes will begin Monday, Aug. 19.

Patient advocates act as liaisons between patients and health-care providers to help patients navigate an increasingly complex health-care system. Advocates educate patients on their treatment options and help them keep their medical information, such as medications and special diet, in order for doctors.

"Physicians are so limited in their time," said Debra O’Connell, UT director of patient advocacy. "Advocates help empower patients to be proactive and make their own decisions."

Those who enroll in the Patient Advocacy Program are often looking for a second career, O’Connell said. Advocates come from but are not limited to professions such as sociology, communications, law, pharmacy and education.

In the Child Advocacy Certificate Program, students receive specialized training in such issues as the family dynamic and specific social services available for children. Students learn how to utilize social services, help children with disabilities, and connect mental health services with people who have been neglected or abused, whether physically, mentally, sexually or other types.

"It is a great way to make yourself more marketable," said Dr. Christie Jenkins, associate director of the Family and Child Abuse Prevention Center in Toledo and a part-time instructor in the UT Department of School Psychology, Legal Specialties and Counselor Education. "Child abuse is so prevalent in our era. There is a need to have specific training because one in four girls and one in six boys have been sexually abused by age 18."

Those interested in applying for either program can contact O’Connell at debra.oconnell@utoledo.edu or 419.530.5421.
The Blade presents the 21st Annual UT Alumni Association Outdoor Juried Art Fair

JULY 28, 2013
10 a.m. - 5 p.m.

Free Admission
Original jazz, food and children’s area.
On the Main Campus of The University of Toledo