Commencement speaker Bloomberg calls out intolerance, demagoguery

By James Iseler
The University Record

Business leader and former New York mayor Michael Bloomberg urged University of Michigan graduates to guard against intolerance and demagoguery as they enter a world where “an open mind is the most valuable asset you can possess.”

Bloomberg delivered the 2016 Spring Commencement address April 30 to a crowd of graduates estimated at more than 6,200, along with thousands of family and friends gathered under cool and cloudy skies at Michigan Stadium.

See Commencement, Page 14

Michael Bloomberg delivers the keynote address at commencement.
Spring Plant Sales

Nichols Arboretum, 1610 Washington Hts.

Saturday & Sunday, May 7 & 8, 10 am–4:30 pm
Matthaei Botanical Gardens, 1800 N. Dixboro Rd.

Mother’s Day Weekend Sale
A two-day sale of hanging baskets and container plantings grown and designed onsite by staff and volunteers. All proceeds benefit Matthaei-Nichols.

Saturday & Sunday, May 7 & 8, 10 am–4:30 pm
Matthaei Botanical Gardens, 1800 N. Dixboro Rd.

Spring Artists Market
Local artisans and craftspeople offer unique items for sale. A variety of media including jewelry, fashion accessories, paintings, illustrations, and more.

Saturday, May 7, 9 am–4:30 pm, Matthaei

Mother’s Day Tea Party
All invited to bring mom and help celebrate her day with a special tea in the conservatory at Matthaei.

Free. Please RSVP by May 4 to Ashely Rop: arop@umich.edu.

Sunday, May 8, 1-3 pm, Matthaei

Kitchen Favorites Sale
Heirloom vegetables and herbs grown by Cultivating Community, the U-M student gardening group. All proceeds benefit Cultivating Community. Plus, Herb Study Group on hand with herb samples and info.

Saturday & Sunday, May 14 & 15, 10 am–4:30 pm
Matthaei Botanical Gardens, 1800 N. Dixboro Rd.

Peonies Galore Sale
An opportunity to purchase some of the same varieties of heirloom peonies that grow in the Nichols Arboretum Peony Garden. This popular sale takes place in Nichols Arboretum; arrive early.

Saturday , June 4, 10 am
Nichols Arboretum, 1610 Washington Hts.

The University Record

U-M Athletics finalizes Nike apparel agreement

By Kurt Svoboda
ACTION:

The University of Michigan has finalized and updated its agreement with Nike Inc. to become the Wolverines’ official athletic footwear, apparel and equipment provider. Nike will supply all 31 of U-M’s athletics programs with uniforms, footwear, apparel and equipment. U-M and Nike also will collaborate throughout the agreement on innovation initiatives in sports technology, design and best practices.

The agreement is valued at $173.8 million. That includes a $12 million initial payment to the university, $76.8 million in total annual payments and $85 million in apparel. The partnership takes effect Aug. 1 and runs through 2027, within an option to extend the agreement to 2031.

Here are some additional details about the partnership:

• U-M and Nike will collaborate throughout the agreement on innovation initiatives in sports technology, design and best practices.

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The agreement includes use of the Jordan Brand “Jumpman” apparel for men and women’s basketball and football.

The agreement provides for independent, external monitoring and investigation of those factories by third parties mutually agreed upon by U-M and Nike.

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Seven receive Harold R. Johnson Diversity Service Awards

By Kevin Brown

The University Record

Seven faculty members who have shown dedication to developing cultural and ethnic diversity at the University of Michigan have received the 2016 Harold R. Johnson Diversity Service Award from the Office of the Provost.

The recipients are:
- Dr. R. Alexander Blackwood, Medical School.
- Omolola Eniola-Adefeso, College of Engineering.
- Arline T. Gerominus, Institute for Social Research and School of Public Health.
- Robert Jagers, School of Education.
- Nojin Kwak, LSA.
- Jennifer Linderman, CoE.
- Ruby Tapia, LSA.

"I was very impressed by the deep pool of nominations we received this year. It was inspiring to read about the faculty on our campus who have a long-standing commitment to diversity, equity and inclusion," said Robert M. Sellers, vice provost for equity, inclusion and academic affairs.

"Their hard work and commitment make us better as a university, and their contributions will have a real and lasting impact on the difficult issues we face on our campus, particularly in this first year of the diversity strategic planning process."

Established in 1996, the award is given in honor of Harold Johnson, dean emeritus of the School of Social Work. The award provides $5,000 to recipients to further research, scholarship or student service opportunities.

Dr. R. Alexander Blackwood

Blackwood is associate professor of pediatrics and director of Pathways in the Office for Equity Health and Inclusion at the Medical School. In more than 20 years on the U-M faculty, he has demonstrated an ability to inspire mentees. He includes 11 undergraduate students who have received American Heart Association of Michigan grants and five who have been awarded Presidential Scholars Fellowships from the National Science Foundation.

An example of his mentorship involves fourth-year medical student Mohammad Issa, a Palestinian-American. Together they developed a personal hygiene, safe water assessment in the Kuladuna Refugee Camp in the West Bank. This relationship led to the formation of the Middle Eastern Global Health Initiative.

The initiative is a group of Michigan pre-health students promoting awareness of the health needs of Middle East refugee camps. Blackwood serves as the faculty facilitator. Data has been collected from five refugee camps in the last three years and additional publications are anticipated.

"The attributes that make Dr. Blackwood especially well-suited for this award are a combination of veracity, preparation and vision. Dr. Blackwood has been building a cohort of mentees and a pool of projects that are eminently linkable," wrote Dr. David J. Brown, associate vice president and associate dean, Office for Health Equity and Inclusion.

Omolola Eniola-Adefeso

Eniola-Adefeso, associate professor of chemical engineering and of biomedical engineering in the College of Engineering, is known as an outstanding educator, a dedicated researcher and collaborator committed to promoting diversity.

Within the Department of Chemical Engineering, she has been a champion for women and underrepresented minority students and faculty members. As part of the department’s graduate committee since 2008, she was instrumental in improving the quality and diversity of students in the Ph.D. program.

Understanding that diversity must not compromise academic standards, she explored and implemented proactive ways of recruiting high-quality students of all backgrounds. In particular, she has been instrumental in increasing the department’s visibility at national conferences.

As graduate chair since 2014, she is increasing diversity in the program. The current first-year Ph.D. class is 44 percent women and 26 percent underrepresented minorities, the most diverse in the history of the department.

She also developed and submitted a proposal to Rackham for a new peer mentoring program within the department. High-performing third-year graduate students serve as educational and social mentors to a diverse group of five to six first-year Ph.D. students. The program was funded by Rackham for two years. It is making a positive impact.

"Lola is a tireless champion for diversity. She exhibits tremendous leadership qualities and is absolutely on track to become a leader in her department and college before too long," wrote Alc D. Gallimore, associate dean for academic affairs, CoE.

Arline T. Gerominus

Gerominus, researcher professor in the Population Studies Center, Institute for Social Research, and professor of health behavior and health education in the School of Public Health, is known for having proposed and tested the “weathering hypothesis.” It posits that the impact of repeated exposure to and high-effort coping with stressors by U.S. racial and ethnic minorities leads to early onset of chronic diseases and early biological aging, compared to U.S. whites of the same chronological age.

Her research focuses on the issue that population health disparities arise from the qualitatively different life experiences, exposure to stressors, and access to coping resources associated with specific social identity groups in an unequal society.

She is credited for increasing the

See Award, Page 18

Distinguished Dissertation Awards

The 2015 ProQuest Distinguished Dissertation Award recipients were honored April 26. Awardees received a $1,000 honorarium recognizing exceptional scholarly work and completion of their doctoral degrees in 2015. The annual competition is co-sponsored by ProQuest and Rackham Graduate School. The recipients are: Front row, from left, Lauren Cline, natural resources and environment; Konstantina Karageorgos, English language and literature; Bai Song, mechanical engineering. Back row, from left, David J. Brown, associate vice president and co-chair, Office of the President, will serve as the president’s liaison to the search. The president said the individual who fills the new position would oversee “the creation of an integrated information technology strategy for the entire university, including the health system.”

The new vice president will report to the president and serve as a member of the university’s executive leadership team.

Information about the search, including a position description and how to submit nominations will be posted on the Office of the Provost website, provost.umich.edu/committees/vp-of-it-and-cio-search-advisory-committee.

Further inquiries regarding nominations and applications are directed to VP/ITCIOSearchInquiries@umich.edu.

Search underway for new VP for information technology and CIO

By Jillian A. Bogater

The University Record

The Office of the President has appointed an advisory committee to begin the search for the new position of vice president for information technology and chief information officer for the University of Michigan. The university now is accepting nominations and applications for the position.

President Mark Schlissel has appointed a 14-member search advisory committee, which will be co-chaired by James Hilton, Arthur F. Thurnau Professor of Information, School of Information, dean of libraries, University Library; vice provost, Office of the Provost and Executive Vice President for Academic Affairs; and faculty associate, Research Center for Group Dynamics; along with Sachin Kheterpal, associate professor of anesthesiology, Medical School.

The executive search firm Opus Partners, led by Craig Smith and Katie Dean, has been retained to assist with this search.

In addition to Hilton and Kheterpal, members of the search advisory committee include:
- Paul Castillo, chief financial officer, U-M Health System
- Usama Fayyaz, chief data officer, Barlays; chairman and director, Oasis 500.
- Sharon Brodes Geva, director of Advanced Research Computing.
- Kevin Hegarty, executive vice president and chief financial officer.
- Rajesh Mangurkar, Margarette S. Roll Professor of Medical Education, associate dean for medical student education, associate professor of internal medicine and associate professor of learning health sciences, Medical School.
- Nigel McIver, associate professor of technology and operations, Stephen M. Ross School of Business.
- Susan Murphy, Herbert E. Robbins Distinguished University Professor of Statistics, LSA; research professor, Survey Research Center, Institute for Social Research, professor of psychiatry, Medical School.
- Andrew T. Palms, executive director of diversity and inclusion, data centers, ITS Communication Services.
- Marius Papadthybymiou, chair and professor of electrical engineering and computer sciences, College of Engineering.
- Andrew Rosenberg, acting/interim chief information officer, U-M Health System and Medical School.
- Steven Schlachet, executive director of finance and administration, LSA.
- William Schultz, professor of mechanical engineering and applied mechanics, and professor of naval architecture, CoE.
- The Board of Regents approved the creation of this new position in February. “This position will ensure that information strategy is appropriately integrated into both short- and long-term decision making and planning for the university,” Schlissel said at that time.

The president said the individual who fills the new position would oversee “the creation of an integrated information technology strategy for the entire university, including the health system.”

The new vice president will report to the president and serve as a member of the university’s executive leadership team.

Britney K. Rashleigh, junior project manager, Office of the President, will serve as the president’s liaison to the search.

Information about the search, including a position description and how to submit nominations will be posted on the Office of the Provost website, provost.umich.edu/committees/vp-of-it-and-cio-search-advisory-committee.
Director named for Inter-university Consortium for Political and Social Research at ISR

By Kory Zhao
Institute for Social Research

Margaret Levenstein has been appointed director of the Inter-university Consortium for Political and Social Research at the University of Michigan’s Institute for Social Research.

ICPSR, founded in 1962, is the largest archive of digital social science data in the world, with more than 500,000 data files. The announcement follows a national search by a joint committee composed of ISR faculty and members of the ICPSR Governing Council, who represent the consortium’s 760 members worldwide.

Levenstein will be the ICPSR’s first female director. “Maggie’s vision for ICPSR’s future is exciting,” said ICPSR Governing Council Chair Chandra Muller. “She has a strong academic research background, understands the potential of data science for current and future social science researchers, and has a stellar reputation both nationally and internationally.

“We were impressed by her skill in bringing together experts from diverse fields for the advancement of social science research goals. The council is looking forward to working with her.”

Levenstein will begin her five-year term on July 1, following the departure of current ICPSR Director George Alter. Under Alter’s direction the ICPSR expanded international members, increased data accessibility, and the Summer Program in Quantitative Methods of Social Research recruited more than 1,000 participants annually.

“I am very excited to be joining ICPSR and look forward to working with its staff, council and member institutions,” Levenstein said. “ICPSR is an important resource for the social and behavioral science community, curating and making accessible data assets that thousands of researchers have created over the last 70-plus years.”

“The importance of both developing our capabilities to analyze and use data, and to preserving data have never been greater. The ‘big data’ revolution creates new opportunities and challenges. ICPSR’s role will be to help the research community make the most of those opportunities.”

An economist, Levenstein first joined ISR’s Survey Research Center (SRC) in 2003 as the executive director of the Michigan Census Research Data Center (MCRDC), a joint project with the U.S. Census Bureau. She also is a research professor in SRC and adjunct professor of business economics and public policy in the Stephen M. Ross School of Business.

Levenstein has taken an active role at ISR, joining the Director’s Advisory Committee on Diversity in 2009 and serving as the chair of ISR’s Diversity, Equity and Inclusion strategic planning committee and as the liaison to the larger university program.

“ICPSR is one of the great resources supporting social science research all over the world. I am very excited about the skills and experience that Maggie will bring as the next ICPSR director,” said ISR Director David Lam. “The innovative leadership she has shown directing the MCRDC and chairing ISR’s Diversity, Equity, and Inclusion strategic planning process will make her a great leader of ICPSR.”

She is the associate chair of the American Economic Association’s Committee on the Status of Women in the Economics Program and past president of the Business History Conference. Levenstein received a Ph.D. in economics from Yale University and a Bachelor of Arts from Barnard College, Columbia University.

Her research and teaching interests include industrial organization, competition policy, business history, data confidentiality protection, and the improvement of economic statistics.

The ICPSR director search committee was chaired by William Axinn, research professor at the Population Studies Center and SRC at ISR. Committee members included Christopher Achen, the former ICPSR Governing Council chair; Robert S. Chen, of Columbia University and the Center for International Earth Science Information Network; Philip N. Jefferson, Swarthmore College; Jared Lyle, ICPSR director of curation services; Muller; Amy Pienta, ICPSR associate research scientist; and Beth-Ellen Pennell, director of SRC’s international unit.

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On Campus Briefs

Observatory Street and nearby lots to close for construction

Commuters are encouraged to plan ahead and expect delays starting in early May, as Observatory Street between East Ann Street and Geddes Avenue will be closed in phases for a water main and road reconstruction project. Work is expected to last through mid-August. Pedestrian access will be maintained through the Observatory Street area. For information on U-M bus route detours, go to pts.umich.edu/news/transit-alerts.php.

Partnership formed with Costa Rican business school

The University of Michigan will launch a new partnership that enables MBA students from one of Latin America’s top business schools earn a master of public administration degree at the Gerald R. Ford School of Public Policy. The dual-degree program, which begins in August, is designed for students in the one-year MBA section with exemplary English-language skills at the INCAE Business School in Costa Rica. The program will strengthen U-M’s connections in Latin America, draw talented students and eventually create new internship and career opportunities.

Regents meeting set for May 19

The Board of Regents will have its monthly meeting at 3 p.m. May 19 in the Amway Grand Plaza Hotel, Pantlind Ballroom, Grand Rapids. To offer public comment at the meeting, sign up in advance at regents.umich.edu/meetings/pubform.html. Public comments on agenda items will be taken prior to their consideration. Comments on nonagenda items will follow the regular business agenda. People with disabilities who need assistance should contact the Office of the Vice President and Secretary of the University in advance at 734-763-8194. For more about regents meetings, go to regents.umich.edu.

Um-Dearborn director of student success named

Amy Finley has been named University of Michigan-Dearborn director of student success. She has served as interim director of academic support and outreach services since December 2015. Her new role comes at a time when the university is rethinking its approach to student success. Beginning this fall, Student Success — a unit within Enrollment Management and Student Life — will partner with START, the university’s soon-to-launch advising hub for first-year and transfer students.

Cram Circle on North Campus closing for utility work

Beginning May 3 and anticipated to continue until May 23, Cram Circle on North Campus will be closed to through traffic between Hubbard Road and Crum Place for water service construction. Vehicular traffic will be detoured via Hubbard Road, Beal Avenue and Bishop Avenue. Access to Cram Place for local traffic only will be maintained on Cram Circle from Bishop Avenue. For more information on U-M bus detours during this construction, go to pts.umich.edu/news/transit-alerts.php.
May programs celebrate National Mental Health Month

By Juanita Day
MHealthy Communications

According to the National Alliance on Mental Illness, one in four adults — approximately 61.5 million Americans — will experience mental illness in a given year.

In support of May as National Mental Health Month, the university’s MHealthy Thrive! stress management program, Faculty & Staff Assistance Program, and UMHS Employee Assistance Program are encouraging U-M faculty and staff to take a moment each day this month to “check in” on their emotions.

“Because emotional well-being is such an essential part of our overall wellness, it deserves ongoing attention and care, just like your physical health,” says John R. Sonnega, stress management program manager for MHealthy. “Simply asking yourself, ‘How am I doing today?’ at the start of your day, gives you an opportunity to focus on you and how you feel.”

“If an emotion is preventing you from feeling your best, know that you are not alone and that the university and your health plan offer resources to help you manage your emotions, cope with daily stressors, and enjoy your life more fully,” Sonnega says.

Here are some of the mental and emotional health programs and services available year-round:

In-person counseling
Confidential short-term counseling is always available to university faculty, staff, retirees and their families at no charge, and can play an important role in routine preventive health care.
- Health System employees: Contact the UMHS EAP at 734-763-5409 or eap@med.umich.edu, or visit the UMHS EAP website, tinyurl.com/hxqplb.
- Ann Arbor and Flint campus employees: Contact FASAP at 734-936-8660 or fasap@umich.edu, or visit the FASAP website, mhealthy.umich.edu/fasap.
- Dearborn campus employees, call 313-393-5430.

Online screenings
Confidential and anonymous online mental health screenings (screening.mentalhealthscreening.org/UMICHGAN) are available any time for conditions such as depression, bipolar disorder, generalized anxiety disorder, alcohol misuse, eating disorders and post-traumatic stress disorder. Participants will receive an immediate result at the end of each screening to print and take to a counselor for further evaluation if necessary.

Mental, emotional wellness classes
A variety of free classes and programs are offered year-round focused on topics like stress management, self-care, anger management, resiliency, divorce and breakup, caregiver support, mindfulness and more.
Register and learn more at mhealthy.umich.edu/stressmgmt.

“[If] an emotion is preventing you from feeling your best, know that you are not alone and that the university and your health plan offer resources to help you manage your emotions, cope with daily stressors, and enjoy your life more fully.”
— JOHN R. SONNEGA
Climate change: What makes us care?

Greta Guest

It’s been argued that how much we know about climate change is unrelated to how much we care about addressing it. But focusing primarily on cultural drivers, as is the case with emerging research on “cultural cognition,” takes us on a path that misses critical characteristics of knowledge, according to a University of Michigan study published in Nature Climate Change.

“We looked at this emerging work, and immediately had problems with how knowledge and culture were being measured — specifically not measured,” said Joseph Arvai, the Max McGraw Professor of Sustainable Enterprise at the School of Natural Resources and Environment and the Stephen M. Ross School of Business.

“What others were measuring had little to do with climate change and more to do with general scientific literacy. They also relied on what amounts to U.S.-based political ideologies as a proxy for culture.”

So Arvai and co-authors Jing Shi, Vivianne Visschers and Michael Siegrist from ETH Zurich measured climate-specific knowledge and cultural differences across six countries.

“What we found was that culture plays a relatively small role, and that knowledge about climate change was correlated with higher levels of concern about climate change in all of the countries studied — Canada, China, Germany, Switzerland, the United Kingdom and the United States. “We think this is because knowledge about causes cements in our minds the fact that it’s human actions that have set the risks in motion, and that human action may be taken to reduce the risks,” Arvai said. “This finding was weakest in China, perhaps because the emphasis is on economic growth, even it comes at the expense of the environment.”

Knowledge about the consequences of climate change was also a strong predictor of concern. But greater knowledge about the biophysical dimensions of climate change tended to dampen public concern.

“We think this is because focusing on the technical dimensions of a problem like climate change dehumanizes it and focuses our collective attention away from the individuals and communities — human and nonhuman — that are at the gravest risk,” Arvai said.

Changing climate conditions in Michigan pose an emerging public health threat

By Jim Erickson

Changing climate conditions — including warmer temperatures and an increased frequency of heavy rainstorms — represent “an emerging threat to public health in Michigan,” according to a new report from university researchers and state health officials.

The report, “Michigan Climate and Health Profile Report 2015: Building resilience against climate effects on Michigan’s health,” was released April 25 by the Michigan Department of Health and Human Services and the Great Lakes Integrated Sciences Assessments Program — a partnership between the University of Michigan and Michigan State University.

Based on current climate trends in Michigan and projections for the next few decades, the authors identified five health topics of concern for Michigan residents:

- Respiratory diseases. Projected conditions favor increased air pollution and worsening respiratory disease. An earlier and longer growing season for plants could increase pollen levels, which in turn could exacerbate allergies and asthma.
- Heat-related illnesses. Heat waves featuring high temperatures, high humidity and stagnant air masses could become more common and may lead to increased levels of heat-related illness and death.
- Water-borne diseases. Across the Upper Midwest, extreme precipitation events have become more intense and more frequent over the past century. In coming decades, intense precipitation events and flooding are projected to stay the same or increase. Runoff from sewage and septic systems will remain a problem, potentially increasing the risk of water-borne diseases and, in some cases, harmful algal blooms.
- Vector-borne diseases. Projections point to warmer winters, earlier springs and warmer summers, conditions suitable for mosquito-borne diseases such as West Nile virus and tick-carried diseases such as Lyme disease.
- Carbon monoxide poisoning and weather-related injuries. Weather-related power outages are likely to increase, especially in the winter, leading to increased use of generators and related cases of carbon monoxide poisoning. An increased frequency of freezing rain and flooding will raise the risk of motor vehicle accidents and other types of injuries.

For the report, Marie O’Neill, associate professor of environmental health sciences and epidemiology, and Larissa Larsen, associate professor of urban planning and of landscape architecture, examined places in the state, including Detroit, which could see an increased risk of climate-sensitive health problems such as heat stress-related illnesses and hospitalizations.

“I’m particularly pleased that the report addresses the relationship between climate change, environmental and social factors,” said O’Neill. “This is an important step in better understanding people at risk.”

According to the report, the average annual temperature has increased by 0.6 degrees Fahrenheit since 1951 in southeastern Michigan, and by 1.3 degrees in the northeastern part of the Lower Peninsula. During that same period, total annual average precipitation across the state increased by 4.5 percent, or 1.4 inches.

“The findings from this report will help focus future efforts to strengthen Michigan’s public health preparedness as extreme weather events become increasingly common,” said GLISA Program Manager Elizabeth Gibbons, who served as a report editor and coordinated efforts with the state.

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The Climate and Health Profile Report was funded by the federal Centers for Disease Control and Prevention. The report is the first step in a nationwide CDC effort to inform communities and public health officials about the most current climate science related to environment and health.

The DHHS Climate and Health Adaptation Program will use the report to educate community health officials and planners in preparing for emerging threats. Program officials will seek additional CDC funding to test health interventions that address the vulnerabilities and impacts identified in the report.

The Great Lakes Integrated Sciences Assessments Program is housed in the Graham Sustainability Institute’s Climate Center and is one of 10 regional centers funded by the National Oceanic and Atmospheric Administration. GLISA builds capacity to manage risks from climate change and variability in the Great Lakes region.
**RESEARCH**

**Simulation suggests how e-cigarettes could impact smoking**
By Laurel Thomas Gnagey  
Michigan News

As the popularity of electronic cigarettes and calls to regulate them continue to grow, a University of Michigan study may help answer those who wonder what changes might be seen in smoking prevalence if e-cigarettes use encouraged smokers to quit, or if it becomes a first step toward smoking.

Using national data of historic and current rates of smoking, statistics on the growth of e-cigarette use and a simulation model, School of Public Health researchers found that smoking prevalence would be much more sensitive to the possible changes e-cigarettes could have on quit rates than on their potential to encourage those who never have smoked to start a habit.

Among the scenarios, the simulation showed that a 20 percent increase in smoking cessation rates would result in a 6 percent reduction in smoking by 2060. On the other hand, smoking initiation would have to increase 200 percent over current levels for smoking rates to go up by 6 percent in the same year.

“This paper is important because it gives us a reference for what could be the net impact of e-cigarette use on smoking prevalence, and for the most part, with the status quo, the key point is what they do for cessation,” said lead author Sarah Cherng, a doctoral student in the Department of Epidemiology and the Center for Social Epidemiology and Population Health at the School of Public Health.

“Our research is not going to silence the debate, but perhaps the discussion can be shifted to how we can think about the best policies and regulations to make e-cigarettes useful as smoking cessation tools.”

The handheld, electronic devices vaporize a liquid that usually contains nicotine, propylene glycol, glycerine and a flavoring agent. They were introduced to the market just over a decade ago. Since then, use in the United States has gone from 0.3 percent of adults in 2010 to 6.8 percent in 2013. Among users, the majority are current smokers and one-third are former or never smokers.

Critics are concerned because e-cigarettes are being marketed as cessation aids and safe alternatives to cigarettes but little research has been done to test those claims. “Because e-cigarettes are new to the market there have not been long-term studies of their impact on smoking or value as cessation products,” said Rafael Meza, assistant professor of epidemiology and corresponding author, adding this is where a model like the one he, Cherng and two other public health doctoral students developed can be helpful.

“There is a lot of additional research needed on the overall safety and impact of e-cigarettes that our study does not address. But what our research shows is that given current levels of smoking prevalence, initiation and cessation rates in the United States, and the way that e-cigarettes are currently being used, their long-term consequences are going to depend largely on their effects on smoking cessation — positive or negative — and in a lesser manner on their relationship to smoking initiation.”

That being said, it is important to understand both sides of the equation, and to use this information to design the right policies and interventions to tip the balance towards the best possible health outcome.”

Another criticism of the devices is that some believe they entice use by young people with special flavoring and targeted marketing, which some fear could lead preteens and teens to move on to regular cigarettes. Meza said their analysis focuses on the resulting impact of e-cigarette use on adult smoking prevalence, but the model does account for e-cigarettes and smoking initiation among adolescents before the age of 18.

Data for the simulation came from the National Health Interview, U.S. Census, Centers for Disease Control and Prevention, Cancer Intervention and Surveillance Modeling Network, and other epidemiologic, clinical and modeling studies. Other U-M authors were Jamie Tam and Paul Christie.

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**RESEARCH**

**Children who are spanked show increased signs of aggression**
By Jared Wadley  
Michigan News

An analysis of 50 years of research showed no evidence that spanking does any good for children, instead, it increases their risk of detrimental outcomes.

Experts at the University of Michigan and University of Texas looked at decades of research from 75 studies involving more than 160,000 children, who showed a widespread practice of aggression, mental health problems and cognitive difficulties.

Spanking children to correct misbehavior is a widespread practice by many parents, yet one shrouded in debate about its effectiveness and appropriateness.

“Our analysis focuses on what most Americans would recognize as spanking and not on potentially abusive behaviors,” said Elizabeth Gershoff, associate professor of human development and family sciences at the University of Texas.

“We found that spanking was associated with unintended detrimental outcomes and was not associated with more immediate or long-term compliance, which are parents’ intended outcomes when they discipline their children.”

Gershoff and co-author Andrew Grogan-Kaylor, associate professor at the University of Michigan School of Social Work, found that spanking (defined as an open-handed hit on the behind or extremities) was significantly linked to detrimental outcomes.

“The upshot of the study is that spanking increases the likelihood of a wide variety of undesired outcomes for children,” Grogan-Kaylor said. “Spanking thus does the opposite of what parents usually want it to do.”

The researchers also tested for long-term effects among adults who were spanked as children. They found that the more they were spanked, the more likely they were to exhibit antisocial behavior and to experience mental health problems.

They were also more likely to support physical punishment for their own children, which highlights one of the key ways that attitudes toward physical punishment are passed from generation to generation, the researchers said.

“We as a society think of spanking and physical abuse as distinct behaviors,” said Gershoff, who previously taught at U-M. “Yet our research shows that spanking is linked with the same negative child outcomes as abuse, just to a slightly lesser degree.”

In the United States, there has been a slight decline over the years in the degree to which parents approve of spanking, Grogan-Kaylor said. Meanwhile, there is a far greater movement globally to ban corporal punishment, he said.

The study appears in the Journal of Family Psychology.
RESEARCH

Landslide risk remains high a year after magnitude-7.8 Nepal earthquake

By Jim Erickson

Nepal earthquake a year after magnitude-7.8

May 2, 2016

The University Record

Michigan News

By Jim Erickson

Michigan News

They used drones during the 2015 and why the landslides occurred.

In the past year, the U-M team has mapped 22,000 landslides caused by the Nepal earthquakes. The maps will be used to identify areas of continued high landslide risk, said Maxine Clark, a U-M geomorphologist and geophysicist who studies tectonic movements in the Himalaya area and who is an expert on landslides triggered by earthquakes.

Hillslopes stripped of vegetation by earthquake-generated landslides become hotspots for further landsliding during summer monsoon rainstorms, said Clark, an associate professor in the U-M Department of Earth and Environmental Sciences.

"While last year’s monsoon was relatively mild, concern is high over what to expect this summer, if we were to have a normal or stronger-than-typical monsoon," Clark said.

"We’re releasing this new landslide inventory in time for the upcoming monsoon season so that government officials and aid organizations can use it to help a country that’s still recovering from last year’s disaster," he said.

With funding from the National Science Foundation, Clark and her colleagues have been studying the effects of last year’s Nepal earthquakes on the landscape by analyzing where and why the landslides occurred. They used drones during the 2015 field season to help locate and map the landslides.

Clark’s collaborators on the study include Dimmitts Zekkos of the U-M College of Engineering and Joshua West of the University of Southern California. U-M graduate students Julie Bateman and Will Greenwood participated in the fall fieldwork, and undergraduate student Kevin Roback developed the digital landslide inventory.

The highest density of Nepal landsliding, and therefore the location of highest ongoing risk, is concentrated in four large river valleys, one of which contains the main road from Nepal to China, Clark said.

During the 2015 field season, the researchers also documented evidence of monsoon-related debris flows resulting from earthquake landslides. Debris flows are fast-moving mixtures of water, soil and rock. In Nepal following last year’s earth quakes, debris flows impacted villages, created a flood risk.

U-M graduate students will head back to Nepal next month to conduct additional fieldwork. Clark will return with a team of faculty researchers and students in the fall and is coordinating with groups from Switzerland and Germany. The landslide inventory and a related research article will be submitted for publication in a peer-reviewed journal.

-- MAXINE CLARK

OBITUARY

Maxwell Reade

After 100 years and two days, Professor Emeritus Maxwell O. Reade died April 13.

He met his goal of living to 100, and he led a remarkable life. The son of Hungarian immigrants, Reade was born in Philadelphia, and later moved with his family to Brooklyn, where he finished high school and attended Brooklyn College, graduating in 1936. He entered the math graduate program at Harvard on tuition scholarship, then went to Rice University on full scholarship to get his Ph.D. in 1940.

Reade was a professor of mathematics at the University of Michigan for 40 years, specializing in Complex Analysis, published 83 papers and was awarded the AMOCC Good Teaching Award in 1983. In World War II, he worked for the Applied Mathematics Panel of the Office of Scientific Research and Development and his applications of mathematics to the Allied war effort saved thousands of lives.

As associate chairman for mathematics graduate students for over seven years in the late 1960s and early 1970s, Reade was both a vigorous recruiter of quality students and a tireless worker on their behalf once they were here.

He was ahead of his time in recognizing the importance of seeking and nurturing minority students. Reade ardently supported scholarships and grants for students, traveling to historically black colleges in the South and recruiting students for scholarships — more than 50 Ph.D.s were awarded to minority students he recruited — as well as foreign students. These trips afforded an opportunity to indulge in his passion for jazz, and he interviewed many musicians while amassing a large collection of jazz records.

As chairman of the LSA Scholarship committee from 1974 to 1994, Reade continued to help countless students pursue a college education who would not have otherwise had the means. He found and recruited talented students in all disciplines and was instrumental in establishing the Dearl Merit Scholarships in LSA. He had the ability to seek and find extremely bright students, particularly in mathematics, and convince them that Michigan was the right choice for their education. Reade was especially effective in assuring the mothers that their children would succeed here. His warmth, humor and passion for Michigan became the deciding factor for many to choose Michigan.

Reade was predeceased by his wife Marjorie and his former wife Isabel. He is survived by children Michael, Tim (Joy) and Alison Diver, and Lawrence Dolph (Lynn Nybel); grandchildren Fran (Ben Rosenberg), Chris, Wes Diver, Christine Dolph (Brian Wachutka) and John Dolph; great-granddaughter Winona Marjorie Wachutka; nieces Pam Schwarzmann (Ken Fink), Karen Schwarzmann (Larry Rosen) and Ann Schwarzmann (Greg Haagenson); nephews Tom Schwarzmann (Lisa Byle) and Tim Schwarzmann, grand nephew Peter Greer (Tiffany Reese); and great-grand nieces Ryder Griess.

Reade was known for his sense of humor, devotion to causes supporting the “little guy,” intolerance of social injustice, making paw paw jam and writing letters to the editor published in the New York Times and Ann Arbor News. His final gift to education was to donate his brains to a longitudinal study at the U of M Brain Bank.

Memorial contributions may be made to the Marjorie and Maxwell Reade Fund for Student Support (#279463), U-M Department of Mathematics, 530 Church St., Ann Arbor, MI 48109-1043 or by going to victo.rs/1WFYvoF.

A memorial service will take place at 1 p.m. June 9 at the First Unitarian Universalist Congregation of Ann Arbor, 4001 Ann Arbor-Saline Road in Ann Arbor. Details will be available on the Mathematics website lsa.umich.edu/math.

-- Submitted by the Department of Mathematics
Community, multiuniversity partnership to address Flint health challenges

By Kylie O’Brien
UMNS Department of Communication

Flint community partners and three major Michigan university campuses on April 26 announced a new partnership to help address, through coordinated research efforts, the current and future status of residents and their health.

The new initiative — the Healthy Flint Research Coordinating Center — brings together Flint’s Community Based Organization Partners (a coalition of community-based organizations), UM-Flint, the University of Michigan’s Ann Arbor campus and Michigan State University.

“The initiative will ensure community needs stay at the forefront in current and future research efforts in the Flint community,” said Chancellor Susan E. Borrego of UM-Flint.

The HFRCC will serve as a central coordinating center for each university and the community, involving individual MSU, U-M and UM-Flint researchers, and community organizations to connect and partner through the center to achieve their goals.

Focuses will include the economic, environmental, behavioral and physical health of Flint residents as Flint recovers, rebuilds and faces future public health challenges due to the water crisis.

“Our goal is to work together to achieve the best outcomes for Flint residents,” says Kent Key, assistant executive director of the CBOP. “We want to avoid situations in which the community might feel torn in determining which university to partner with.”

CBOP, U-M, UM-Flint and MSU researchers founded the center in direct response to the Flint community’s desire for leading academic institutions to collaborate and be inclusive of community voices.

“Michigan State has been a knowledge partner in Flint for a century now and this effort will further complement the Hurley/MSU Pediatric Public Health Initiative and the other health, education and community building efforts we’ve involved in today,” says MSU President Lou Anna K. Simon.

“With our University of Michigan colleagues, we are pleased to offer Flint residents a new point of access to a tremendous reservoir of collective expertise and to give our own researchers additional channels to serve the community,” says E. Yvonne Lewis, community activist; and E. Yvonne Lewis, health disparities researcher and community advocate.

“This partnership will build on the established relationships the universities already have with the Flint community,” says E. Yvonne Lewis, a founding member of the CBOP. “It is exciting for the community to be viewed as an ally and equal partner in community research.”

The HFRCC has a core leadership team of two representatives from each of the three campuses and CBOP.

CBOP — Kent Key, assistant executive director for CBOP and a health disparities researcher and community activist; and E. Yvonne Lewis, a founding member of the CBOP, who has more than 20 years of experience working with institutional and community partners in Flint.

U-M’s Ann Arbor campus — Dr. Rebecca Cunningham, professor of emergency medicine at the Medical School and professor of health behavior and health education at the School of Public Health; and Marc Zimmerman, professor of health behavior and health education at SPH. Each brings to the HFRCC 20 years of experience working in the Flint community.

Cunningham leads multiple Flint-based Centers for Disease Control and Prevention and National Institutes of Health grants to assess the mental health needs of the community.

The core leadership team members are each working with their respective community organizations and universities to obtain initial support for the HFRCC with expectations that future funding will come from federal grants and foundation resources.

The HFRCC will be housed in Flint at a location yet to be determined. It is expected that the center will grow in the coming months and will serve as a resource to and additional community organizations and institutions.

The Healthy Flint Research Coordinating Center’s core leadership team is, from left, Suzanne Selig of UM-Flint, Marc Zimmerman of U-M, E. Yvonne Lewis of Community Based Organization Partners, Debra Furr-Holden of MSU, Jennifer Johnson of MSU, Kent Key of CBOP, Dr. Rebecca Cunningham of U-M, and Vicki Johnson-Lawrence of UM-Flint. (Photo by Mark E. Haskins, UM-Flint)
Graduates of the Horace H. Rackham School of Graduate Studies listen during Rackham Graduate Exercises April 29 at Hill Auditorium.
SCOTT C. SODERBERG, MICHIGAN PHOTOGRAPHY

The procession for Rackham Graduate Exercises begins at the Rackham Building and continues to Hill Auditorium.

ERIC BRONSON, MICHIGAN PHOTOGRAPHY

Members of the Class of 2016 cheer during the ceremony.

SCOTT C. SODERBERG, MICHIGAN PHOTOGRAPHY

University of Michigan graduates celebrate during 2016 Spring Commencement at Michigan Stadium.
Bloomberg, who created the international financial information company Bloomberg LP and who now is the United Nations Secretary-General’s Special Envoy for Cities and Climate Change, used his speech to encourage citizenship in the face of political intolerance that he said exists at levels worse than any he can remember.

“Neither party has a monopoly on good ideas, and each demonizes the other unfairly and dishonestly,” he said, decrying Republicans who target undocumented immigrants and Muslims, and Democrats who blame the wealthy and Wall Street.

“Every generation has had to confront its own demagogues, and every generation has stood up and kept them away from the White House, at least so far. And now it is your turn,” said Bloomberg, who led New York City from 2002-13.

“If we want to stop demagogues, we have to start governing again, and that requires us to be more civil, to support politicians who have the courage to take risks, and reward those who reach across the aisle in search of compromise.”

Bloomberg not only criticized politicians, but also those in academia who bow to pressure and attempt to shield students from challenging and uncomfortable ideas through “safe spaces, code words and trigger warnings.”

“The whole purpose of college is to learn how to deal with difficult situations, not to run away from them,” Bloomberg said. “A microaggression is exactly that — micro. But in a macro sense the most dangerous place on this planet is a so-called ‘safe space,’ because it creates a false impression that we can isolate ourselves from those who hold different views.”

Speaking from his experience of launching what became a worldwide company at age 38, after being fired from a job on Wall Street, Bloomberg urged graduates to never stop learning if they wish to succeed in a knowledge-based, global economy.

“If you have the luxury of more than one job offer, now or in the future, don’t pick the one that pays the most. Pick the one that teaches you the most,” he said.

“Whatever you think your dream job today is, don’t get too attached to it. Chances are if that job exists in 15 years, it will be very different, and you will have found other pursuits.”

Besides Bloomberg, who was awarded an honorary Doctor of Laws degree, four others received honorary degrees. They are:

- Michael Brown, CEO and co-founder of City Year, a nonprofit organization dedicated to engaging young people in a year of national service, Doctor of Laws. His degree was to be conferred at the U-M-Dearborn commencement.
- Michele Oka Donner, artist and U-M alumna known for her pioneering and multidisciplinary contributions to visual culture, Doctor of Arts.
- Mary Claire King, world leader in cancer genetics and the use of genomics to address social injustice, Doctor of Science.

In his remarks, President Mark Schlissel encouraged graduates to share their stories with fellow citizens to advocate for U-M and all public research universities.

“I hope you will tell everyone about your experiences, to help others understand the value of what we do here,” Schlissel said.

“Graduating from the University of Michigan makes all of you an indispensable part of our impact.”

That impact is “fascinating and ubiquitous,” he said, offering examples that ranged from helping make the Internet accessible worldwide, to inventing the iPod, to writing award-winning books and plays, to creating life-saving vaccines and medical procedures, to developing the technology for autonomous and connected vehicles.

Behind these accomplishments are the breadth and depth of academic excellence and a commitment to helping society that are only possible at a public research university,” Schlissel said, warning that “America’s intellectual infrastructure” is being threatened by public disinvestment.

“We have to work hard to help the public and our policymakers understand the value of public research universities,” he said.

Faculty Senate Chair Silke-Maria Weineck, professor of German and comparative literature, welcomed graduates by declaring the faculty’s primary goal was to have taught them to think and to care. “And to act with thought and care is to carry forward the spirit of this remarkable place in which you have been immersed these past years.”

Provost Martha Pollack reflected on a similar theme, saying good leaders are made from two simple qualities: “being smart and caring about people.”

“There are many ways to lead,” Pollack said. “I feel confident that the education you’ve gotten at Michigan has provided you with both the characteristics you need to be a leader.”

LSA Dean Andrew Martin listed several examples of ways in which the U-M family has related to its community and the world, then told graduates it’s now their turn.

“Today, we turn you loose upon the world. But no matter how far you travel, you’ll always be welcome here, and we hope you will come back, again and again, to your Michigan home,” he said.

The student address was delivered by Kathryn Bertodatto, a transfer student and mother who commuted to Ann Arbor from Traverse City each week for the last two years to achieve a Bachelor of Arts degree in English. She urged her fellow graduates to follow the advice of Eleanor Roosevelt, who suggested everyone should “do one thing every day that scares you.”

Bertodatto said graduates should “stick with the people willing to fail with you, be wrong with you, make mistakes with you, believe in you. Because you will fail, you will be wrong, and heaven knows we all make mistakes, but the people who know that, and recognize that the hope of success is still worth it, those are your people. Be that person for them as well.”
Students experience Golden Age of Radio with authentic sound effects

By Laural Thomas Gwoney
Michigan News

Grab a friend and head to the nearest set of uncarpeted stairs. Close your eyes and listen as she goes up and down the steps. Can you hear a difference?

Earlier this semester, students in English 346 did a version of this exercise as they learned what it takes to make realistic sound effects for classic radio drama.

"We learned that going upstairs sounds like skiff, skiff, skiff, skiff and going downstairs sounds like clunk, clunk, clunk, clunk," said Michael Byers, associate professor of English language and literature. "You're trying to convey a lot of information with just your footsteps, and you don't want to say, 'come on, let's go upstairs if you don't have to.'

Byers teaches the course called American Sounds: Radio Drama and Comedy, 1930-1962, in LSA. In the highly interactive course, students learn about the Golden Age of Radio and are challenged to write and produce original dramas or comedies, complete with authentic sound effects. Students were assigned to write an episode for one of the historic radio series they listened to in class or to create a new concept.

"Three original dramas — two mysteries and a children's program — were selected for a final performance April 18 at the U-M Museum of Art. A few days before the performance students were rehearsing TinTin, a story about a journalist who stumbles upon a plane crash and two con-terfeaters. His nose for news ends up getting him into trouble with the pair and with the law, as the crooks attempt to frame him. It was up to Randy Lockett and about a half-dozen other students to help TinTin come to life with sound effects.

"I'm playing the shoes in this episode," said Lockett, a senior English major, explaining how he has to take an ordinary pair of dress shoes and make the characters walk and run on several surfaces like gravel and the metal gang plank on a ship.

Various gadgets were divided among team members, including an old dial phone, a metal file drawer and a set of door knobs that make the sound of a gun being cocked.

A cherry stoner that is cranked to remove the pit from the small fruit becomes a locomotive on the tracks, and going downstairs sounds like skiff, skiff, skiff, skiff, skiff, skiff, skiff, skiff, skiff, skiff, skiff.

"Every day, all day, people listened to the radio," said Mooney, a classics and English literature major, who called the class a great find.

We learned a lot about politics of radio which is very interesting, and how a lot of these radio shows reflected a movement, or social unrest, and how a lot of these radio shows were disliked by the government, and I found that very interesting," Mooney said.

"It's a class that is very deeply rooted in an actual legitimate love of the time period and of the medium," said Caleb Browner, an English major, who called the class a great find.

"It's class that is very deeply rooted in an actual legitimate love of the time period and of the medium."

Byers told the class, "We're teaching a bit of American history through these great old shows," he said. "Think of what happened during those years. It's the Depression. It's the oncoming of World War II. It's World War II. It's after the war when the soldiers came home. It's the onset of the McCarthy era, it's the Cold War, and it's the beginning of the '50s conformity.

"Every day, all day, people listened to the radio, and they would listen to stories on the radio." On the day of rehearsal, Eva Mooney, a classics and English literature major, was a stand-in for the actor who normally plays TinTin.

"We learned a lot about politics of radio which is very interesting, and how a lot of these radio shows reflected a movement, or social unrest, or were backed by the government, or were disliked by the government, and I found that very interesting," Mooney said.

"It's a class that is very deeply rooted in an actual legitimate love of the time period and of the medium," said Byers.

The actors hovered around a period-appropriate single microphone to deliver their lines, while Byers stood in the middle of the room, cuing the effects team on when and how long to deliver the sounds: a dog barking, doors slamming and the sound of a scuffle, which was created by the team slapping their bodies over and over.

The ferryboat whistled failed. Not everyone is able to blow into a glass bottle and make the air vibrate to create sound. A different student tries it on the next run-through. Success!

Eva Mooney, right, as journalist TinTin quizzes Travis Bergman and Sarah Sisk, two counterfeiters, about their crashed plane.

Eva Mooney reads the lead role of TinTin during a final rehearsal.

Students rehearse TinTin, one of three radio dramas chosen for public performance from a Golden Age of Radio class assignment in which all students wrote an episode of a once-popular program or an original creation.

"We became a huge fan of Johnny Dollar, the Shadow, the Whistler. It became sort of a family thing," Browner said.

The delivery of his lines demonstrated his understanding of the form. "I tried to do the sort of radio announcer voice, which was kind of a very standard thing in the industry at that time."

In the style of old radio drama, the scripts also included a sponsor. Javier Torres, an English and screen arts major, delivered the opening and closing Colgate tooth powder plugs: "Does your breath wilt the flowers when you stop to admire them?"

The actors hovered around a period-appropriate single microphone to deliver their lines, while Byers stood in the middle of the room, cuing the effects team on when and how long to deliver the sounds: a dog barking, doors slamming and the sound of a scuffle, which was created by the team slapping their bodies over and over.

The ferryboat whistled failed. Not everyone is able to blow into a glass bottle and make the air vibrate to create sound. A different student tries it on the next run-through. Success!
One oil field a key culprit in global ethane gas increase

By Nicole Casal Moore

A single U.S. shale oil field is responsible for much of the past decade’s increase in global atmospheric levels of ethane, a gas that can damage air quality and impact climate, according to new study led by the University of Michigan.

The researchers found that the Bakken Formation, an oil and gas field in North Dakota and Montana, is emitting roughly 2 percent of the globe’s ethane. That’s about 250,000 tons per year.

“The percent might not sound like a lot, but the emissions we observed in this single region are 10 to 100 times larger than reported in inventories. They directly impact air quality across North America. And they’re sufficient to explain much of the global shift in ethane concentrations,” said Eric Kort, U-M assistant professor of climate and space sciences and engineering, and first author of the study published in Geophysical Research Letters.

The Bakken is part of a 200,000-square-mile basin that underlies parts of Saskatchewan and Manitoba in addition to the two U.S. states. It saw a steep increase in oil and gas activity over the past decade, powered by advances in hydraulic fracturing, or fracking, and horizontal drilling.

Between 2005 and 2014, the Bakken’s oil production jumped by a factor of 3,500, and its gas production by 180. In the past two years, however, production has plateaued.

Ethane is the second most abundant atmospheric hydrocarbon, a family of compounds made of hydrogen and carbon. Ethane reacts with sunlight and other molecules in the atmosphere to form ozone, which at the surface can cause respiratory problems, eye irritation and other ailments and damage crops.

Surface-level ozone is one of the main pollutants that the national Air Quality Index measures in its effort to let the public know when breathing airborne measurements from directly over and downwind of oil production areas show that the field’s ethane emissions of 0.23 teragrams per year, or roughly 250,000 U.S. tons, effectively cancel out half of the global decline rate.

“These findings not only solve an atmospheric mystery — where that extra ethane was coming from — they also help us understand how regional activities sometimes have global impacts,” said co-author Colm Sweeney, a scientist with the Cooperative Institute for Research in Environmental Sciences at the University of Colorado Boulder, and NOAA. “We did not expect a single oil field to affect global levels of this gas.”

Ethane emissions from other U.S. fields, especially the Eagle Ford in Texas, likely contributed as well, the research team says. The findings illustrate the key role of shale oil and gas production in rising ethane levels.

Researchers flew over the Bakken oil field in North Dakota and Montana to gather data about emissions of ethane, a hydrocarbon gas that can damage air quality and impact climate. This is the view from their NOAA Twin Otter aircraft.

Researchers flew over the Bakken oil field in North Dakota and Montana to gather data about emissions of ethane, a hydrocarbon gas that can damage air quality and impact climate. This is the view from their NOAA Twin Otter aircraft.

The study is titled “Fugitive emissions from the Bakken shale illustrate role of shale production in global ethane shift.” Also contributing were researchers from NOAA, NASA, Goddard Institute for Space Studies, Columbia University, Stanford University and Harvard University. The research was funded primarily by NOAA and NASA.
Teens who take prescribed stimulant medications such as Ritalin, Adderall, Concerta and methylphenidate within a medical context early in life are at lower risk for developing substance use problems in adolescence, according to a new University of Michigan study.

When these medications are used early for nonmedical purposes, such as taking someone else’s prescription, the teens are more likely to develop substance use problems in adolescence. “These findings are notable because the prescribing of stimulant medications, nonmedical use of prescription stimulants and related health consequences have increased significantly among youth in the United States over the past two decades,” said Sean Esteban McCabe, the study’s lead author and a research professor at the U-M Institute for Research on Women and Gender.

McCabe and colleagues examined how the context (medical versus nonmedical) plays a critical role in the relationship between early exposure to attention-deficit/hyperactivity disorder (ADHD) stimulant medication and the risk of substance use problems for adolescents.

The study included responses from 4,755 Detroit-area secondary school students who completed a web survey about substance use, such as cigarette smoking, binge drinking, marijuana use, nonmedical use of other prescription medications (anti-anxiety, pain and sleeping medications), and other drug use (LSD, heroin, Rohypnol, ecstasy). ADHD and substance use problems also were assessed. More than one in every 10 students in this sample had been diagnosed with ADHD.

There is significant state-to-state variability in the type of treatment for ADHD, and Michigan has the highest rate of medication treatment among children with ADHD in the United States, McCabe said.

The late use of medical prescription stimulants are associated with greater odds of past year substance use problems when compared to their peers who use prescription stimulants within a medical context earlier in life and peers who do not use stimulants in a medical context, the study showed.

Both early and late use of nonmedical stimulants are associated with increased risk of substance use problems compared to peers who did not use stimulants in a nonmedical context.

McCabe collaborated with Philip Veliz, an IRWG research assistant professor, and Carol Boyd, a research professor at IRWG and the Deborah J. Oakley Collegiate Professor of Nursing.

The findings appear in the current issue of Drug and Alcohol Dependence.
number of minority doctoral students in the Department of Health Behavior and Health Education at SPH. She also supervised a disproportionate share of their doctoral dissertations. Geronimus also supported their efforts to win postdoctoral fellowships and faculty positions, while maintaining high academic standards. Geronimus has repeatedly demonstrated intellectual excellence and commitment to cultural diversity in all aspects of her work — service, teaching, mentoring and scholarship — has helped increase diversity within her academic units and the university, has solidified a commitment to diversity as part of the university’s educational mission, and has relentlessly strived to bring about equity in society,” wrote Jeffrey Morenoff, director of the Population Studies Center.

**Robert Jagers**

Jagers, associate professor of education in the School of Education, demonstrates a commitment to diversity, equity and inclusion through his efforts to encourage civic engagement and critical consciousness in young people. Jagers has been developing a Partners in Authentic Learning course called that prepares undergraduate students to tutor and mentor mostly ethnic minority students in local schools. He spent three years as chair of the Combined Program in Education and Psychology (CPEP). During that time, CPEP rose to No. 2 in the U.S. News and World Report’s ranking of educational psychology graduate programs while also boasting several cohorts of exceptional doctoral students of color. Jagers has been developing and leading the Wolverine Pathways program aimed at increasing representation of low-income students at Michigan. The goal is to help create Michigan-ready high school graduates. Its design is born of more than 25 years of research and field work aimed at understanding the complex connections among culture, race and class and their impact on the social-emotional development of urban youth. “He is training the next generation of scholars and practitioners dedicated to diversity by sharing a strong vision of social justice and community engagement. Just as he is enriching our university through these efforts, he is also enriching the local communities around us,” wrote Stephanie J. Rowley, professor and chair, CPEP.

**Nojin Kwak**

Kwak, associate professor of communication studies in LSA, demonstrates an outstanding commitment to the development of a culturally and ethnically diverse campus community. A hallmark of Kwak’s diversity efforts is his directorship of the Nam Center for Korean Studies since 2009. The Nam Center encourages the economic, political and cultural understanding of Korea in the U-M community and beyond. As its director, Kwak has supported student and faculty research and recruitment, engaged in curriculum development, established a speaker series, created two annual film festivals, and provided funding for public programs. He has raised more than $5 million to support the Nam Center’s programming, regularly meeting with donors in Korea while maintaining an active research, teaching and service program.

He also has developed curricula and educational programs, and allocated resources to help students enhance their cross-cultural knowledge through engaged and immersive learning. Kwak also directs the Committee on Institutional Cooperation Korean Studies e-School, a co-chairing initiative among CIC member schools. “Through fundraising, sustained programming of a range of academic and cultural activities, and nurturing Ph.D. students, postdoctoral fellows and junior faculty, Dr. Kwak has played a critical role in positioning Michigan as the leading center among Korean and Korean-American studies,” wrote Aswin Punathambekar, associate chair and David M. Potter Professor of communication studies.

**Jennifer Linderman**

Linderman, associate dean of graduate education, professor of chemical engineering and professor of biomedical engineering in CoE, has helped the college maintain a diverse and high-performing graduate student body. Recruiting begins with Linderman’s office developing a comprehensive list of student prospects. They are suggested by multiple stakeholders and sources including engineering faculty members and alumni in academia, current graduate students who recruit at their alma maters, national fellowship databases, summer research programs, campus visit programs and contacts made at key national conferences. They include the National Society of Black Engineers. In a given year, her office compiles data from more than 20,000 prospective graduate student contacts to reach a target list of approximately 1,300 Ph.D. student prospects. An application fee waiver program she advanced has been effective in diversifying the Ph.D. application pool. Linderman also is a key mentor of the college’s women faculty members, and is helping to lead the effort to develop the diversity, equity and inclusion strategic plan for CoE.

“Considering not only the length and breadth of Professor Linderman’s contributions to enhancing diversity, equity and inclusion on this campus, but also her creativity and dedication in developing new initiatives, I believe she is richly deserving of this important recognition,” wrote Abigail J. Stewart, director of ADVANCE, promoting institutional changes to support the needs of a diverse faculty in all fields.

**Ruby Tapia**

Tapia is an associate professor of English Language and Literature and associate professor of women’s studies and director of undergraduate studies in LSA. She has served on the Rackham Humanities Diversity Committee since summer 2014. At Rackham, her contributions have been instrumental in the development and launching of the new Michigan Humanities Emerging Research Scholars Program, the construction and continuing refinement of recruiting strategies to be shared with departments, and the creation of a draft resource to be made available to departments. Rackham also has benefited from her work to develop a presentation to faculty participating in the summer program about the role of diversity in the vitality of the humanities. Tapia also is known as the Department of English Language and Literature’s go-to faculty member for advice, support and guidance on diversity issues. “Beyond her seemingly boundless energy, what most strikes me about Ruby is that she has been absolutely fearless about speaking on behalf of equity and inclusion in whatever forum it is required,” wrote Valerie Traub, Frederick G. L. Huetwell Professor of English and Women’s Studies. “Not only is she attentive and generous in ways that disarm opposition, her observations are often so finely targeted and so rhetorically deft that they prove enormously helpful in moving conversation and scholarship along more productive paths.”
Diversity video series features voices of faculty, staff and students

By Dana Elgar
Public Affairs

Faculty, staff and students share their ideas for success in creating a diverse, equitable and inclusive environment for the University of Michigan community in a video series launching this week.

Each short video of the eight-part series explores one idea for creating the model campus through the lens of the Diversity, Equity and Inclusion initiative President Mark Schlissel announced in November 2015. The series is among several efforts to engage the campus community on the topic of diversity as the university works to create a comprehensive, universitywide plan to address diversity issues.

Video topics range from the importance of owning the message at the individual level to building trust between patients and physicians to save lives. They include:

- Faculty leadership: teaching courageously
- Community health: building patient trust
- Student support: making numbers real
- Campus culture: owning the message
- Public safety: serving the community
- Student recruitment: always engaging
- Problem solving: recognizing cognitive difference
- Student impact: making voices heard

The first video of the series explores the role faculty play in creating a diverse, inclusive and equitable U-M campus through the ideas of Martha Jones, Arthur F. Thurnau Professor, professor of history and Afroamerican and African studies, and co-director Michigan Law Program in Race, Law & History.

“I think there’s something about courage that is fundamental to living diversity every day,” Jones says.

“In order to have the kind of inclusive climate that we aspire to, we also have to be ready to have the hard conversations — to be courageous, in ways both big and small, to experiment with ideas; to try on new ideas; to speak across difference.”

All of the videos are available on the U-M YouTube channel under the Diversity, Equity and Inclusion playlist: myumi.ch/6nxwr.

Last fall, the university began working on a five-year diversity strategic planning effort by calling on 50 faculty, staff and students, which will be incorporated into a larger university plan by fall 2016, followed by implementation and integration with ideas; to try on new ideas; to speak across difference.”

Nutrition and Child Development
Through the Lens of Iron

Friday, June 3, 2016 • 8:30am – 4:45pm
Rackham Amphitheatre, University of Michigan

At this symposium, scientists will summarize the effects of iron deficiency on child development and consider related controversies based on studies from epigenetic to community levels.

Morning Topics • 8:45am-12:00pm
- Risks for Iron Deficiency in Infancy
- Neurobiology-timing, Treatment and Translation
- Long-term Developmental Outcomes with Infant Iron Deficiency

Poster Session and Lunch • 12:00pm-1:00pm

Afternoon Topics • 1:00pm-4:30pm
- Developmental effects considering prenatal iron deficiency
- RCTs and observational studies – why do conclusions differ?
- Next questions raised by neurodevelopmental studies to date
- Clinical dilemmas

Visit the Symposium website to register and obtain lodging information: http://chgd.umich.edu/nutrition-symposium/
EVENTS

MAY 2, 2016
THE UNIVERSITY RECORD
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MONDAY, MAY 2
Navigating Department Politics, 12:30-2:30 p.m., Lane Engineering Center, Johnson Room and Dear’s Dining Room. This lecture is a richly layered sketch that can be productively used to focus on issues important to any university: faculty hiring and departmental climate.

TUESDAY, MAY 3
U-M EdX Workshop: Exploring MOOCs and Academic Innovation, 8 a.m.-1 p.m., North Quad. The Office of Digital Education & Innovation invites faculty to join this workshop for faculty who will have an opportunity to learn about U-M’s MOOC experience to date and more. Information is at digitaledu.umich.edu/event-infodev-workshop.

The 1975 Earned Income Tax Credit and the Rise of Working Mothers: Health, History, Demography and Development seminar presented by Jacob Boudin, 11 a.m.-1:15 p.m., Lurie Hall, Room 201.

“Radiations: Your Life in their Hands,” Department of Biological Chemistry Annual J. Robert Greenough Lectureship in Biological Chemistry. Juliane Stueber, WIL, noon-1 p.m., Medical Science Building, North Lecture Hall.

WEDNESDAY, MAY 4
Jewelry Sale, 9 a.m.-3 p.m., Turner Senior Resource Center, 4260 Plymouth Road. Vintage and costume jewelry is donated for Ann Arbor Health and Geriatrics Center, Main Lobby, 4260 Plymouth Road. For more information, go to jewelrysale.umich.edu.

Yodit Mesfin-Johnson, entrepreneur and social change activist, is the keynote speaker at the Learning and Professional Development Career Conference 2016 from 8:30 a.m.-noon June 9 in the Rogel Ballroom, Michigan Union. The conference from 8:30 a.m.-noon June 9 features Yodit Mesfin-Johnson, entrepreneur and social change activist, as the keynote speaker. Mesfin-Johnson is CEO and vice president of strategy at NewE:V Solutions for Nonprofits, and founder of Lips and Hips, a socially conscious company that curates unique women’s events, offers leadership coaching and recently launched an organic lip gloss line.

Companion sessions are once upon a dream: Turn Your Dreams into Accomplished Goats, with Joanna Sabo, and a panel discussion, Shifting Gears: Career Discussions with Those on the Move. The conference is free to U-M faculty and staff, thanks to sponsorship from LPD executive officers. More information is at tinyurl.com/omvkuex.

THURSDAY, MAY 5
E-Waste Recycling Event: Institutional event: commuter- ers, non-profits, businesses, schools, 8 a.m.-4 p.m., U-M Commuter Parking, 2084 S. State St. Three events are free.


“Electrochemical Energy Conversion and Storage: Materials’ Synthesis, Characterization and Performance,” 1:30-5 p.m., Chemistry Building, Dow Laboratory. This talk is on noble metal nanostructures for (electro)catalysis and electrode materials for advanced rechargeable batteries, with Yonggan Yang, Colorado School of Mines.

“Interdisciplinary Seminar in Quantitative Methods,” Victor Chernozhukov, Massachusetts Institute of Technology, 4:30-5 p.m., Haven Hall, Eberhard Room 567.

FRIDAY, MAY 6

Latino/a Studies Workshop: Write-its, 10 a.m.-2 p.m., Knockman West Study Hall South Alone, for Latina/Las Studies workshop graduates students. For more information, email takemurphyfmt@gmail.com.

Shodo: Japanese Calligraphy class, 4-5 p.m., Chemistry Building, Dow Laboratory, Room 3040.

“Women In Greek Tragedy: Focus on Trojan War,” 1:15-3 p.m., Turner Senior Resource Center, 2420 Plymouth Road. For free information on this OLLI seminar, go to shudio.umich.edu.

Newartis Symposium, 9-3:30 p.m., Chemistry Building, Room 1445, Overland Laboratory.

Inforntoduction Seminar in Quantitative Methods, Victor Chernozhukov, Massachusetts Institute of Technology, 4:30-5 p.m., Haven Hall, Eberhard Room 567.

LPD Career Conference 2016 addresses career goals

The U-M Learning and Professional Development (LPD) fourth annual Career Conference 2016, Designing Your Life on Your Terms, offers U-M faculty and staff inspiration to take more responsibility for their career aspirations.

The conference from 8:30 a.m.-noon June 9 features Yodit Mesfin-Johnson, entrepreneur and social change activist, as the keynote speaker. Mesfin-Johnson is CEO and vice president of strategy at NewE:V Solutions for Nonprofits, and founder of Lips and Hips, a socially conscious company that curates unique women’s events, offers leadership coaching and recently launched an organic lip gloss line.

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DON’T MISS

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— Katherine Pearson, manager of communications and publications
“In Conversation: Albert Kahn’s Constructions,” 7-8 p.m., U-M Museum of Art. Jan exhibition curator Clare Zimmerman for an exploration of Detroit’s Albert Kahn Architects and Engineers, called the most important architectural force of American industrialization before World War II. Register by emailing umma-program-registration@umich.edu. Include date and title of program in email subject line.

Third Dissertation Recital: Azariah Tan, piano, 8 p.m., Walgreen Drama Center, Stamps Auditorium.

MONDAY, MAY 9

Bookkeeping in Cambodia: Ken Arbor Backyard Bookkeepers, 7-9 p.m., Matthaei Botanical Gardens, on raising bees in Cambodia, followed by a talk on how to manage rabbit populations.

TUESDAY, MAY 10

American National Standards Institute Company Member Forum, 8 a.m., 9 a.m., Stephen M. Ross School of Business, Room N220.

Life Sciences Institute Annual Symposium: Chemical Biology: Rave of the Cellular Machines, 8 a.m., 5 p.m., Palmer Commons Forum Hall.

“Confronting Climate Change: What are the Challenges?” Henry Pollack, emeritus professor of geophysics, U-M, 10:15 a.m., 11:30 a.m., Rave Theater, 4200 Carpenter Road. The lecture will outline the consequences associated with Earth’s changing climate, and will address approaches to mitigation and adaptation in the coming decades.

WEDNESDAY, MAY 11

Catching Your Breath: Michigan Alzheimer’s Disease Center and swallow disorders, U-M, 10:30 a.m., 11:30 a.m., 4200 Carpenter Road. The lecture will outline the consequences associated with Earth’s changing climate, and will address approaches to mitigation and adaptation in the coming decades.

THURSDAY, MAY 12

Just Imagine! Ralph’s & Williams, U-M, 10-12:30 a.m., Rave Theater, 4200 Carpenter Road, on the role of the liberal arts.

FRIDAY, MAY 13

Confidence on Ethics, In Honor of Allan Gribben, 9 a.m.-12:15 p.m., Michigan League, Hissay Room.

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“Boathouse Sketch” is presented in the U-M Museum of Art exhibit “In Focus: Jeanne Gang.” May 10 through Aug. 7. Known for her integrative approach to materials, technology and ecological context, Chicago-based architect Gang was selected as a MacArthur Fellow in 2011. Soon after, Gang proposed a restoration of the Chicago riverfront through a series of small, transformational projects.

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In a contemporary American university, for her information, go to obituary wishing.

Ohta School of Bauhaus Workshop: Rebula International, Am Arbor Chapel; 1:30 p.m., Matthaei Botanical Gardens. Participants bring their own container and flower materials are provided. Cost: $12 for members; $15 for nonmembers. For registration and more information, email janet.muhlemann@umich.edu.

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“Two Dimensional Spectroscopy; From Metal Carbonyls to Lipid Membranes,” 4-5 p.m., Chemistry Building, Dow Laboratory, Carlos Baiz, University of Texas, Austin.

“August Wilson - the Ground on Which I Stand,” 8-9:30 p.m., Sankofa Film Series, Detroit Center, Ann Arbor Room. The series will showcase four films featuring Woody Stropland, Nona Simone, Gordon Parks and August Wilson. Speakers will lead a discussion. For more information, call 313-989-3004 or detroitcenter@umich.edu.

Dancing with the Michigan Stars: Presented by Arthur Murray Dance Centers, 8-11 p.m., Michigan Union, benefiting C.S. Mott Children’s Hospital. Local celebrities and Michigan doctors will be partnered with professional ballroom dancers from Arthur Murray Dance Centers and compete to raise funds for the hospital.

SATURDAY, MAY 14

Butterfly Festival, 10 a.m.-2 p.m., Museum of Natural History. See photo, page 22.

Herbs with Nadya: Herb Study Group, 10 a.m.-4:30 p.m., Herb Study Group president Nadya Kamenetskaya answers questions about herbs and plants during the annual kitchen favorites herb and heirloom vegetable sale. For more information, email n.kamenetska@comcast.net.

Saturday Sampler, Unconventional Oplontis, 2-3 p.m., Kelsey Museum of Archaeology. Enjoy one last look at Oplontis Near Pompeii. "Luxury and Leisure in the Age of Nero: The Villas of Oplontis Near Pompeii."

SUNDAY, MAY 15

Engaging with Art, 2-3:30 p.m., Museum of Art, U-MMA accounts will guide visitors through the galleries.


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EVENTS

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The Stearns Collection at the School of Music, Theatre & Dance features permanent and occasional displays in the Vesta Mills Gallery and in various exhibition areas throughout the Moore Building.

“Tappan’s Vision” at the Bentley Historical Library explores Henry Tappan’s impact on the intellectual life and accomplishments at the university over 200 years.

“In Focus: Jeanne Gang” is presented May 10-Aug. 7 in the Penny W. Stamps School of Art & Design. Known for her integrative approach to materials, technology and ecological context, Chicago-based architect Gang was selected as a MacArthur Fellow in 2013. Shortly thereafter, Gang proposed an ambitious restoration of the Chicago riverfront through a series of small but transformational projects.

The Stearns Collection at the Bentley Historical Library presents the M. Alterman Haggadah Collection. Acquired by the U-M in 2011, the collection includes 29 volumes from the Irwin Passover Haggadah, “The Many Faces and Figures of the Four Sons in the Haggadah,” and features permanent and occasional displays in the Bentley Historical Library last year with help from the University of Michigan Detroit Center for Judaic Studies. It includes Haggadot of various shapes and sizes, ancient and modern, and in different languages. It is presented through July in the Frankel Center Conference Room at 202 S. Thayer St.

The U-M Museum of Art’s expanded Collections Galleries present Western, Asian, African and contemporary works of art. They are open 11 a.m.-5 p.m. Tuesday through Saturday, noon to 5 p.m. Sunday and closed Mondays.

“Xu Weixin: Monumental Portraits” is presented at the U-M Museum of Art through May 29. Xu is a professor of painting and the former executive dean of the School of Arts, Renmin University, Beijing.

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LSI contract and grant specialist leads mindful lifestyle

By Iris Jeffries
The University Record

From his “gentleman’s farm” to his electric car, Todd Brown strives to live a mindful existence. Eight miles outside of Ann Arbor, Brown resides in a quaint house, seated on 10 acres of farmland. With a heart-shaped pond and fruit trees scattered across the property, Brown spends endless summer hours mowing and maintaining the land, and always taking time to enjoy his hummingbirds.

Over the years, he’s watched his hard work manifest in sunflower and vegetable gardens. “The only animals on the farm are free roaming deer and bunnies and other wild animals,” says Brown, contract and grant specialist at the Life Sciences Institute. “It’s so incredible to live in the country and yet be so close to downtown Ann Arbor.”

In addition to his peaceful homestead on the edge of Ann Arbor’s constant hustle, Brown drives an environmentally friendly, 100 percent electric car that he charges straight from a wall outlet. Brown’s use of the electric car definitely needs to fit your lifestyle,” Brown says. “You can’t make it to my driveway, “ Brown jokes.

Brown’s Nissan Leaf has a monitor that indicates how many miles of driving are left. However, the charging process can take up to a full day. Because of its rapidly exhausted battery, road trips require Brown to rent a car for more long distance travels. “You’re either renting a car, or you’ve got another regular car on reserve,” Brown says. “I’ve noticed though that the electric car has a lot of zip — you can speed up pretty quickly.” Brown’s use of the electric car is just another way that he lessens his carbon footprint on campus.

Brown has moved steadily through the ranks. Since his early days as a temporary worker, Brown has worked as an administrative assistant and financial specialist before moving into contract and grant specialization. “It was a matter of being driven, ambitious and perhaps lucky — I had a great supervisor who saw my potential and inspired me,” Brown says of his current career in research administration. “I’m grateful to be an asset to the Life Sciences Institute and university, and I’m proud to be a significant player.”

Brown’s contributions to the Ann Arbor community don’t stop on the job. At the nonprofit, Conduct Becoming: The Foundation, Brown serves on the board as secretary and also plays a key role in financial management and planning for the organization, as it works to benefit veterans locally and nationally.

Meet Todd Brown

- Title: Contract and grant specialist, Life Sciences Institute.
- At U-M: 12 years.
- On his work: “Research is such an integral part of our institute and university, and I’m proud to be a significant player.”

“Only five times have I barely made it to my driveway,” Brown jokes. Throughout his time at U-M, Brown has moved steadily through the ranks. Since his early days as a temporary worker, Brown has worked as an administrative assistant and financial specialist before moving into contract and grant specialization. “It was a matter of being driven, ambitious and perhaps lucky — I had a great supervisor who saw my potential and inspired me,” Brown says of his current career in research administration.

Today, Brown dedicates his time to pre- and post-award duties — assisting faculty and students in the development and submission of accurate proposal budgets and compliant proposal materials by interpreting sponsor guidelines, university policies and federal regulations. Post-award duties include monitoring grant activities to ensure compliance with sponsor guidelines as well as university policy.

“I’m a people person,” Brown says, referring to his work with both students and faculty members to keep them on the right track. “I build strong relationships to foster a positive, happy and friendly environment and provide compliant solutions for faculty and student requests.”

Whether it’s advising applicants and helping them meet deadlines or scoping potential grant sponsors, Brown brings his positive energy to the table and organizes the vast array of administrative duties. “Grant administration can be really complex world,” Brown says. “I really appreciate what my faculty are doing and I’m trying to relieve them of the administrative burden that comes from grant management.”

Brown’s dedication extends to the Ann Arbor community don’t stop on the job. At the nonprofit, Conduct Becoming: The Foundation, Brown serves on the board as secretary and also plays a key role in financial management and planning for the organization, as it works to benefit veterans locally and nationally.

Meet Todd Brown

- Title: Contract and grant specialist, Life Sciences Institute.
- At U-M: 12 years.
- On his work: “Research is such an integral part of our institute and university, and I’m proud to be a significant player.”

“Only five times have I barely made it to my driveway,” Brown jokes. Throughout his time at U-M, Brown has moved steadily through the ranks. Since his early days as a temporary worker, Brown has worked as an administrative assistant and financial specialist before moving into contract and grant specialization. “It was a matter of being driven, ambitious and perhaps lucky — I had a great supervisor who saw my potential and inspired me,” Brown says of his current career in research administration.

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