



MU News Bureau

Daily Clips Packet

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[This Promising New Technique May Be a Safer, Less Painful Way to Remove Birthmarks and Tattoos](#)

By Amy Capetta

Generated from News Bureau press release: [Laser-Based Dermatological Procedures Could be Revolutionized with New Technique](#)

A new device could soon transform laser [skin treatments](#) as we know it.

For more than 40 years, laser-based procedures have been used by dermatologists to effectively remove birthmarks, including port-wine stains, and [tattoos](#). However, this minimally invasive technique comes with a couple of setbacks — the laser light needs to be held at a distance (making it a challenge for the clinician to pinpoint the precise locations on the skin) and the laser poses a risk of eye damage.

But now, researchers from the University of Missouri have developed instruments that transmit laser light into the tissue of the skin through direct contact, which will not only improve the treatment process, but will be safer for both professionals and patients.

The system, sonoillumination, mixes ultrasonic pulsation with a clinical laser and has already been tested on porcine skin tissue samples (since they're highly similar to human skin). And the initial results are "promising for human applications," as reported [in the press release](#).

"The name 'sonoillumination' is a combination of the prefix 'sono' (the Latin word for sound), which amplifies the effects of laser illumination," study authors [Nicholas Golda, M.D., an associate professor of dermatology and director of dermatology surgery; Heather K. Hunt, an assistant professor of bioengineering; and Paul J.D. Whiteside, a doctoral candidate, tell Yahoo Beauty.](#)

Along with being a safer treatment, this new procedure is also expected to take even less time compared to the techniques used today. "Our method should allow dermatologists to illuminate larger areas in a

shorter time,” the investigators explain. “And our research suggests that the benefits of the ultrasound can be observed immediately, so there is no need for a pre-treatment period with a topical agent that might otherwise lengthen traditional laser procedures without our technology.”

Furthermore, fewer sessions in the doctor’s office may be required with this system, “and this is where real time and cost savings for the patient can be realized with this technology.”

While a clinical trial has yet to be performed, the authors don’t anticipate that adults will experience any new side effects with sonoillumination that do not already occur with modern laser treatments (which can include itching, swelling, [acne](#), and changes in skin color).

“In fact, they may experience fewer side effects, including potentially less painful treatments and less inflammation,” the study authors state. “Additionally, the increased eye safety associated with the waveguide technology that is a component of the sonoillumination project may actually reduce the risks to patients and providers when compared to traditional laser use.”

The team is currently in the planning stages of developing a start-up company to commercialize this technique. Now that the effects and benefits of this method have been shown in their lab, the next step involves creating a hand-held device, which would then be utilized for a clinical trial.

“Since clinical trials require substantial time and funding, we hope to establish good partnerships with industry to make that a reality,” they say. “Once the trial is done, it will be submitted for FDA approval and hopefully be made widely available to patients shortly thereafter.”

MISSOURIAN

[Cathy Scroggs to retire after 32 years at MU](#)

TESSA WEINBERG, Apr 14, 2017

COLUMBIA — A mortarboard cap sat on a desk in Cathy Scroggs' office in Jesse Hall on Friday afternoon, as students posed for photos on Francis Quadrangle shortly after the 90th Annual Tap Day ceremony.

Scroggs had just finished celebrating the reveal of students inducted into MU's secret societies — one of her favorite traditions — for the last time, as it was announced in a news release Friday that Scroggs would be retiring from her position as vice chancellor for student affairs, effective July 31.

Scroggs said it felt very strange and unreal to be retiring and that she's loved every minute of her career at MU.

"It's always also good to leave when you feel good," Scroggs said. "When you still feel good about what you're doing and when you can still enjoy coming to work. But there are lots of transitions around here and I hate to be one that adds to it, but I think it'll be good. I think it's going to be a good transition for everybody."

Scroggs, who spent 32 years at MU in various roles, said she felt it was time to go when she returned to her office in Jesse Hall — one she had first worked in when she became vice chancellor in 2003. Scroggs had temporarily moved to an office downstairs while Jesse Hall underwent renovations, and moved back to her original office, which overlooks Francis Quadrangle, two years ago.

"When we came (back) up here I thought, it's time," Scroggs said.

In her post as vice chancellor for student affairs, Scroggs oversaw departments such as Campus Dining Services, Residential Life and Student and Auxiliary Services, according to the Student Affairs website. In addition, the MU Student Recreation Complex and Student Center were built in response to student referendums during her tenure, according to the news release.

Scroggs also helped lobby for the creation of the LGBTQ Resource Center, the Relationship and Sexual Violence Prevention Center and a physical home for the Gaines/Oldham Black Culture Center during her time as assistant to the vice chancellor for student affairs, according to the news release. Scroggs said she always wanted students to feel like they were supported.

"I think we forget how hard it is for some students who feel marginalized to be in a place like this, and so I always wanted people to feel that there were places where they could be comfortable," Scroggs said.

Even as Scroggs nears her retirement, she is still working to foster spaces of inclusion for students on campus. A space is in the works that will be for meditation, contemplation and reflection, Scroggs said.

"We're hoping that our Muslim students will find it a useful place for them to pray, because we just don't have quite the kind of space that they need," Scroggs said. "So I'm excited that before I leave we'll have that too."

Prior to serving as vice chancellor for student affairs, Scroggs served as the director of student life, assistant director of residential life/Greek life and assistant to the vice chancellor for student affairs at MU. Before joining MU in 1985, she worked in student affairs as a residence hall director at Stephens College.

Residence halls are one of the best places to start in student affairs, because you see it all, Scroggs said.

"You live with (students) 24 hours a day, and so I think it helped me to really understand what their lives were like outside the classroom," Scroggs said. "I realized that they were here working hard, wanting to get it right, and so I wanted to help them do that."

Scroggs began her career in education as a high school science teacher in South Carolina, and she received her bachelor's and master's degrees from Clemson University and her doctorate in higher education administration from MU, according to the news release.

Her father's advice influenced how she approached her career, she said.

"My dad always told me that I should always do the very best I could wherever I was," Scroggs said.

"That I shouldn't be worried about being promoted, I shouldn't worry about anything. Just do as good a job as I could do. I just always want to move ahead and make a difference."

Scroggs said she hopes to continue to make a difference outside of campus and in the community during her retirement. Scroggs has been involved in organizations such as the Columbia Chamber of Commerce, Heart of Missouri United Way and Voluntary Action Center, and she anticipates getting involved in more, in addition to spending time with her grandson.

"I'm really looking forward to having an opportunity to speak out on some things that probably in this position I've been not as free to do," Scroggs said.

Scroggs left some words of advice for her replacement:

"If you don't enjoy being with students, you can't work in this division because that's who we're here for. And so, if this is going to be just a job and you're going to find them annoying, you need to work someplace else. That's how I feel about this job."



Vice chancellor announces retirement after 32 years with MU

By Sarah Bono

Watch the story: <http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=36df444d-0d9e-4047-8d2b-a7e3dbe69d17>

COLUMBIA, Mo. - The University of Missouri's vice chancellor of student affairs will retire July 31.

Cathy Scroggs joined the university in 1985 and began serving in her current role in 2003.

"Mizzou has been my home for 32 years, and I'm very proud of the work we have done to support and serve students," said Scroggs. "Students come first in Student Affairs, and that will never change."

According to the university, Scroggs helped lobby to create the LGBTQ Resource Center on campus. The Relationship and Sexual Violence Prevention Center and a location for the Gaines/Oldham Black Culture Center were also developed during her tenure.

Before Scroggs joined the university, she was a high school teacher in South Carolina and a residence hall director at Stephens College.

During her time at Mizzou, Scroggs held the roles of director of student life, assistant director of residential life/Greek life, and assistant to the vice chancellor for student affairs at Mizzou.



MU Student Affairs Vice Chancellor Announces Retirement

By Kristofer Husted

A top University of Missouri administrator announced Friday that she will be retiring after the end of the 2017 school year. Vice Chancellor for Student Affairs Cathy Scroggs will step down July 31. She has held the position since 2003.

In a statement, Scroggs said: “Mizzou has been my home for 32 years, and I’m very proud of the work we have done to support and serve students. Students come first in Student Affairs and that will never change.”

As leader of the Division of Student Affairs, Scroggs is credited by the university for renovating university landmarks, lobbying for the creation of the LGBTQ Resource Center and the Relationship and Sexual Violence Prevention Center, and finding a location for the Gaines/Oldham Black Culture Center.

Scroggs originally taught high school science in South Carolina before moving into student affairs at Stephens College. She joined the University of Missouri in 1985 and has held roles including director of student life and assistant director of residential life.

The Division of Student Affairs is responsible for student support regarding housing, well-being and health, among other issues.

Scroggs will retire from MU post July 31

Cathy Scroggs is retiring from her post as University of Missouri Vice Chancellor for Student Affairs on July 31.

Scroggs joined the university in 1985 and has served as vice chancellor since 2003.

“Mizzou has been my home for 32 years and I’m very proud of the work we’ve done to support and serve students,” Scroggs said Friday afternoon in a news release.

The MU News Bureau reported that under Scroggs’ leadership, the Division of Student Affairs has renovated university landmarks, including Memorial Union, Brewer Fieldhouse and Rothwell Gymnasium. As assistant to the vice chancellor for student affairs, Scroggs helped lobby for the creation of the LGBTQ Resource Center. The Relationship and Sexual Violence Prevention Center and a physical home for the Gaines/Oldham Black Culture Center also were created during her tenure.

Scroggs began her career in education as a high school science teacher in South Carolina. She got her start in student affairs at Stephens College as a residence hall director. Before becoming vice chancellor, she served as director of student life, assistant director of residential life/Greek life and assistant to the vice chancellor for student affairs at Mizzou.

Scroggs is a two-time graduate of Clemson University. She completed her doctorate in higher education administration at MU.



Mizzou Motion Analysis Laboratory For Small Animals Provides Hope

Listen to the story: <http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=47b9126e-2a1b-47c6-a3e4-b04f61557e30>

COLUMBIA, MO (KMOX) Diagnosing orthopedic problems in dogs can be challenging, but the University of Missouri has unveiled the Motion Analysis Laboratory or MAL.

Pressure-sensitive plates and specialized cameras in the lab show how dogs move in real time. Assistant Professor Brian Torres at M-U's College of Veterinary Medicine says the equipment is the same as in human labs. "It's a lab that's designed to really help veterinarians in evaluation and identification and subsequently the treatment of patients we see here and of the surrounding Missouri community with musculoskeletal and neurologic conditions."

Torres says since dogs can't tell you where it hurts, this new technology allows clinicians to pinpoint problem areas that might not show up on radiographs or CT Scans. The MAL facility provides rehabilitation and evaluates treatments for the dogs.

Doctor Torres says veterinarians rely on a good physical exam, but the challenge can be subtle orthopedic injuries, like a limp or if your dog might whine.

Torres says the canine model is well-suited for translation to human diagnostics and procedures. MAL Could lead to better treatments for small animals and Orthopedic procedures in Humans.

Rehabilitation not only helps to ease the dogs' suffering, it also protects the valuable investment made in the years of training that professional dogs undergo. Dr. Torres says "the technology allows clinicians to perform gait analysis on all animals with Osteoarthritis and soft tissue injuries and monitor pain management strategies all in the same lab."



Robot helps scientists fight hunger

Generated from a News Bureau press release: **Fighting World Hunger: Robotics Aid in the Study of Corn and Drought Tolerance**

Watch story: <http://www.komu.com/news/robot-helps-scientists-fight-hunger>

By Emily McCarter

COLUMBIA — A team of researchers at the University of Missouri have created a robot, called Vinobot, that is revolutionizing the way scientists study crops.

Vinobot works to better understand how corn grows in conditions like extensive heat, droughts and floods.

It inspects the behavior of individual plants by using sensors to measure heights of the plants, temperature, light intensity and humidity.

Gui DeSouza, an electrical engineering and computer science associate professor, has worked extensively on the project. He said robots like Vinobot will aid scientists in solving one of the world's greatest problems: hunger.

"The pressures and the demands are getting bigger and bigger," DeSouza said. "The population keeps growing and we have to feed more people."

The goal is to develop drought-tolerant crops.

"We are looking at how climate is affecting plants and how plants should be developed, should be bred, and should be prepared to cope with those changes in climate," DeSouza said.

Student Ali Shafiekhani has been studying Vinobot for about three years. He said one of the reasons it was created is because humans have struggled collecting data themselves.

"We had this idea of collecting data using robots in the field, because we are aware of the difficulty that manual data collection involves," Shafiekhani said.

He said this is the third season the researchers are deploying the robot to roam the rows of the Bradford Research Field.

Another robotics system that aids in the team's research is the Vinocular, an observation tower that oversees the field and monitors the corn 24/7.

"The idea is to have the Vinocular control the Vinobot," Shafiekhani said.

"It detects a certain area that is under stress and sends the robot to that area, and the Vinobot can collect more accurate and more detailed data."

The tower collects 3D models of the field using two cameras that rotate 360 degrees.

"It can inspect how the plants react during the day to the heat, to the sun, and how they recover during the night," DeSouza said.

The team received a \$20 million grant from the National Science Foundation in 2014.

DeSouza said the project's challenges include coping with wind and other field conditions.

"The biggest challenge is to provide enough data that plant scientists can have to correlate with the actual behavior of the plant," DeSouza said.

Planting season should start at the end of April or beginning of May, depending on the weather.

DeSouza and Shafiekhani said they are looking forward to advancing Vinobot in the future, including making the data-collecting process quicker.

"We are always trying to improve to make it better," DeSouza said "New research questions are going to be challenging us to develop new and better things."

He wants to remind people of the groundbreaking and meaningful work researchers are doing at MU.

"We are not just for teaching," DeSouza said. "We have to push technology like this so we can teach our students new things that can bring better economic development for our state and our country."



Lawmakers may restore UM System funding

By Brittany Reuss

The University of Missouri System could see \$11 million restored to its budget if lawmakers accept a proposed funding change by a Rolla senator.

The university system is facing a total of \$40 million in cuts as the General Assembly tries to balance a budget with more than \$500 million less revenue than expected for fiscal year 2018. The Missouri Constitution stipulates the General Assembly must set the budget by 6 p.m. May 5.

Earlier this week, state Sen. Dan Brown, R-Rolla, who also is the Senate budget chairman, suggested in a budget appropriations committee hearing to level out core funding cuts between the UM System and other public higher education institutions. The House put forward 9 percent in core funding cuts for the UM System and 6.5 percent for other higher education institutions.

Brown's proposal flips those percentages and restores nearly \$11 million for the university system.

In a statement, UM spokesman John Fougere said: “We are extremely pleased that the Senate Appropriations Committee restored \$10.9 million to the UM System’s core funding, and are especially appreciative of the leadership provided by Sen. Dan Brown, the chair of the committee, in moving our budget forward.”

In response to budget woes, UM President Mun Choi said during a March press conference that he was going to discuss the possibility of getting a waiver from state law that allows universities to hike tuition above the consumer price index. The university would need to request a waiver and receive approval from the Department of Higher Education to do so.

Brown said he’s working to level out the funding so the university can avoid raising tuition.

“I know they’re asking for a waiver, it’s one of the reasons I’m working so hard to try to help level this funding a little bit,” he said. “I hope that we’re not forced to do that. They have the right to raise some fees and do those kinds of things, and they have, but the one thing I hear from my constituents is, ‘Man, college is getting really expensive per credit hour.’ ”

Fougere wouldn’t say if the UM System is seeking a waiver for tuition increases, but did say in an email that “given the significant financial challenges we are facing, we remain committed to exploring our options in terms of how to grow additional revenue.”

The House restored half of the funding for UM’s collaborative programs, which Brown’s proposal maintains. Gov. Eric Greitens’ budget included gutting funding for the following collaborative programs:

\$4 million to expand the MU medical school residency programs in Springfield.

\$2 million to expand collaborative dental and pharmacy programs in Joplin between the University of Missouri - Kansas City and Missouri Southern State University.

\$1.6 million for engineering education programs offered by Missouri S&T in Clay County and in collaboration with Missouri State University.

Brown said the House's budget unfairly targets the UM System.

“We’ve got a lot of folks who are interested in funding the collaborative programs and projects, which I am, too, but I think it’s somewhat unfair when you pick out one university — and I know there’s been some problems — however, I think it’s somewhat unfair to pick out one university and cut them a lot more, which translates into an awful lot of money on the UM System,” Brown said.

State Rep. Kip Kendrick, D-Columbia, said he was glad to see some restorations made to the cooperative programs that the legislature encouraged the university to pursue.

"I think it sends the wrong message to the university that this body is urging them to take on these cooperative agreements and expand medical school, pharmacy school and dental school,

and now" the state is "going to cut funding significantly and the University of Missouri is going to have to absorb those cuts somehow," he said. "What's the incentive of expanding in the future if the state's not going to hold up its end of the bargain?"

State Rep. Scott Fitzpatrick, R-Shell Knob, who also is the House budget chairman, said the total restorations made by the House to the UM System — which were a combination of restorations for the cooperative programs and core funding — represents 40 percent of the total restorations to higher education. The UM System makes up 40 percent of the higher education budget, he said.

The remaining 60 percent of the higher education budget consisted of core funding restorations to other institutions.

But the cuts still need to be nailed down by the conference committee, a group of legislators from the House and Senate who work out details of the budget before it goes back to both chambers. Brown said he plans to discuss funding for all four-year institutions and universities in conference committee.

"I'm not saying what he wants to do is unreasonable," Fitzpatrick said about Brown's funding proposal. "It's not what I did, but we'll talk about it in conference. I'm not going to say much more than that right now."

What happens with two major bills could affect further restorations for higher education, Brown said. The Senate will consider the "circuit breaker" bill, which if passed would eliminate tax breaks for low-income seniors renting their residences, and the polypharmacy bill that would limit Medicaid patients to five prescriptions each.

The combination of those bills and another pharmacy bill, if approved, would add \$80 million in state revenue.

Brown said he will prioritize higher education going into the conference committee, but he understands the process is about compromise.

"It's really important to me," he said about higher education funding. "I hope it's important to some of the other committee members."

State Rep. Chuck Basye, R-Rocheport, said several House members recently sponsored budget amendments for more funding cuts to the university system, but those were soundly defeated. He said he believes the vote signaled a changing mindset among lawmakers about the University of Missouri following racial protests and other controversy.

Basye said he's been telling his fellow lawmakers to give Choi and new leadership in the Board of Curators a chance to make changes. Many legislators were pleased with Choi's move to end incentive pay for top administrators, Basye said.

“What we have in here is there are 163 reps and not all of them are” University of Missouri “products or necessarily fans of MU,” he said. “They might have another institution they care deeply about that might be in their district. They’re just trying to advocate for what their concerns are. That’s the process we go through. But, I think the amount of people who objected to those amendments kind of surprised me, to be honest with you. It was overwhelming. It didn’t even come close to passing — so that’s a good sign.”

State Sen. Caleb Rowden, R-Columbia, said Brown’s proposal is also a good sign for the UM System, adding that Brown is the senator from Rolla, where Missouri University of Science and Technology is located.

“The Senate has some work to do,” Rowden said. “We’ve made some strides and hopefully make it as painless as possible in a really tough year. I appreciate what he’s done to try and ease the pain a little bit.”

The state’s revenue is expected to grow 3 percent in fiscal year 2017, which ends June 30. As of March, the revenue was up 4.3 percent over last year.

Despite that, Fitzpatrick said lawmakers won’t budget above the revenue estimate because “revenue is very volatile.” In the last two weeks of June last year, Fitzpatrick said, the state’s revenue was on track to exceed the revenue estimate when revenue dropped from a 3.2 percent growth rate to .9 percent, representing a \$200 million drop, because of refunds.

“Just because revenue looks good right now, doesn’t mean it’s going to end up that way,” Fitzpatrick said. “I believe it will end up above the consensus revenue estimate, but how much above, I don’t know. The other thing is we’re going to have to watch refunds and see what happens there.”

If the trend continues, Brown said it could allow Greitens to release budget withholdings and the state could potentially roll over funds into the new budget.

Reporter Rudi Keller contributed to this report.



Settlement reached in University of Missouri student's death

COLUMBIA — The parents of a University of Missouri freshman who fell to his death at a fraternity rush party have reached a settlement of their wrongful death lawsuit.

John and Stephanie Lipp, of Libertyville, Illinois, agreed to a \$5 million settlement with the owner of the property where their son, Jack Lipp, died.

The 19-year-old Lipp died on Christmas Day, 2014, after falling about two weeks earlier at a Pi Kappa Phi party.

The Columbia Missourian reported the Lippes reached the settlement with Ginger C, LLC, which owned the house. They alleged Jack Lipp fell after he leaned against an unsafe second-floor balcony, and the home's owners were aware the railing was not secure. The lawsuit says the company didn't repair the property because it was scheduled to be demolished.

Similar stories ran statewide

the**maneater**

Parents of student who died after balcony fall reach \$5 million settlement

By Olivia Garrett

The parents of Jack Lipp, an MU freshman who died in 2014 after falling off a two-story balcony, reached a \$5 million settlement with Ginger C, LLC, the owners of the property where Lipp was injured.

On Dec. 13, 2014, Lipp leaned on a faulty railing and fell two stories at a Pi Kappa Phi rush party. He died Dec. 25 as a result of his injuries.

The original lawsuit also included the Pi Kappa Phi fraternity and American Campus Communities as defendants, but they were later dropped.

According to the lawsuit, Ginger C, LLC was aware of the defective balcony railing, which had been temporarily repaired by previous owners who chose not to permanently repair it because the property was scheduled to be demolished.

At the time, ACC planned to build a student apartment complex at the site of the incident, but the Columbia City Council had tabled redevelopment plans. The property was then leased to three MU students for the 2014-15 school year, and they hosted the party at which Lipp fell.

The mother of one of the tenants had complained to Ginger C, LLC about the unsafe balcony; ACC had also inspected the property and was aware of the defective railing.

An ACC apartment complex is now being built on the property.



Dean search suspended

The search for a new dean of the University of Missouri Truman School of Public Affairs has been suspended after two of the three finalists invited to campus for interviews declined.

"We had a strong candidate pool, but during the search process, we received some feedback and the provost wanted to have some additional conversations about the future direction of the schools," said MU spokesman Christian Basi. "This is an important decision at a critical time and we don't want to rush the decision."

Garnett Stokes, MU Provost and Executive Vice Chancellor for Academic Affairs, sent an email to faculty in the Truman School informing them of the decision to suspend the search and the reason. In it, she said she would be scheduling small group meetings within the school to discuss the best path forward.

Bart Wechsler is the current dean who is retiring.



Heart of a Champion: Adaptive Skating Program in Jefferson City

Mentions University of Missouri volunteers

Watch the story: <http://mms.tveyes.com/PlaybackPortal.aspx?SavedEditID=1a6aabcd-af5a-4633-95a7-39f04de9673e>

Story appeared on national NBC affiliates



MU hosts concert showcasing student compositions

Watch story: <http://www.komu.com/news/mu-hosts-concert-showcasing-student-compositions>

By Max Cotton

COLUMBIA — Audience members will hear original melodies composed by students in elementary, middle and high school.

Musicians are expecting to play about 20 student pieces at the 12th annual Creating Original Music Project (COMP) Saturday at Rogers Whitmore Concert Hall on the MU Campus.

The student composers come from all over Missouri. They were selected by panels of judges who evaluated about 65 entries.

COMP was founded in 2005 and is a joint venture between MU's Mizzou New Music Initiative and the Sinquenfield Charitable Foundation, which sponsors the event. The event's goal is to encourage K-12 students in Missouri to write original music and provide them with performance opportunities.

"When you're studying music, growing up, it's very easy to learn how to play an instrument and it's very easy to find ways to take music lessons and get music instruction in school," Mizzou New Music Initiative Managing Director, Jacob Gotlib, said. "But it's not so easy and not so accessible for students to learn how to create their own music, how to compose, how to write songs, how to improvise."

He said music, unlike other art forms, is not taught in a creative way in schools. He said students generally learn how to play instruments using music composed by others, instead of learning how to compose their own music.

"Hundreds of Missouri students have enjoyed opportunities from these programs over the last 12 years, and it's encouraging to see both repeat winners and first-time entrants among this year's group of winning young composers," Jeanne Sinquenfield, co-founder of the Sinquenfield Charitable Foundation, said in a press release.

The elementary and middle school concert begins at 10:30 a.m. and the high school concert begins at 2:30 p.m.

Admission is free to both concerts.



[Med students 'brave the shave' for cancer research](#)

By Savannah Rudicel

COLUMBIA — Students at the University of Missouri School of Medicine are raising money for childhood cancer research — by going bald.

On Saturday, Mizzou Med partnered with St. Baldrick's Foundation to field donations for research grants. Students organized and participated in the event alongside community members.

This is the seventh year Mizzou Med has hosted a St. Baldrick's event. As of the most recent count, the group raised nearly \$47,000. Organizers say this is the most successful year yet. They are hopeful they can reach their goal of \$50,000.

Thirty-seven people registered to get their heads shaved on the lawn of Logboat Brewing Company.

The biggest fundraisers went under the clippers first. The top fundraiser was Kevin Clary, M.D. The medicine pediatrics attending at MU Women's and Children's Hospital brought in \$7,888.

Clary said it's important to support all aspects of cancer treatment.

"I know everybody thinks about the people that are in the hospital — the doctors, the nurses, the social workers, everybody else that has to put together a treatment plan for a child — but they have to think about the research that has to go into making something like that happen," Clary said.

NiCole Sadler was also among the top five fundraisers. As an occupational therapist at MU Women's and Children's Hospital, she has had an up-close look at how childhood cancer can impact families.

Before the haircut, Sadler shared the emotional story of a patient she worked with a few years ago.

"She was a beautiful 9-year-old girl who spent way too long in the hospital," Sadler said. "She spent way too long fighting something that she shouldn't have to fight."

Sadler said she would like to see children and families not have to endure cancer anymore.

"We, as a community, need to make sure that all of these families and patients are getting the support they need by finding cures. And so that's what we need to be doing."

The crowd celebrated five young people who are currently battling cancer or have recently. Organizers invited them to be recognized as "Honored Kids" at the event. Every event nationwide honors local patients receiving treatment.

Three businessmen started the St. Baldrick's Foundation in 2000. St. Baldrick's has since raised over \$200 million for childhood cancer research. The foundation is the largest non-government funder of childhood cancer grants.



MU Medical students raising money for childhood cancer research

By Kelsey Kerwin

COLUMBIA, Mo - University of Missouri School of Medicine students are raising money for childhood cancer research this weekend.

The event will take place from 3 to 6 p.m. Saturday at Logboat Brewery on Fay Street in Columbia.

The fundraising event supports the St. Baldrick's Foundation. At it, supporters will shave their heads as a way to show solidarity with pediatric cancer patients who have lost their hair as a result of treatment.

The Childhood Cancer Foundation says more than 13,000 children are diagnosed with cancer

each year in the United States. One in every 330 Americans develops cancer before the age of 20.

Each year, St. Baldrick's raises funds by hosting events throughout the world in which volunteers shave their heads.

In the last six years, MU medical students have raised more than \$230,000 for the St. Baldrick's Foundation. Similar nationwide events have raised more than \$200 million since the organization's start in 2005.



[Escaped cattle being cared for at Missouri veterinary center](#)

ST. LOUIS -The six steers that made a mad dash out of a St. Louis slaughterhouse in March are being treated and temporarily housed at the University of Missouri's veterinary center in Columbia.

Jay Weiner, co-founder of The Gentle Barn Foundation, says the six cattle are being kept together to reduce their anxiety.

The St. Louis Post-Dispatch reports the foundation paid \$12,200 for the six animals after their escape from the Star Packing Co.

The Gentle Barn created a GoFundMe page Wednesday to raise funds for veterinary care, food and boarding.

Weiner said after the escape that the cattle might go to a sanctuary in Tennessee or California. But he said Thursday he prefers keeping the cattle local and partnering with a Missouri farm sanctuary might be an option.

Similar stories ran statewide

Dairy farmers worry about trade to Mexico

By Lisa Rathke

ST. ALBANS, Vt. (AP) — U.S. dairy farmers already struggling with low milk prices worry President Donald Trump's talk of renegotiating the North American Free Trade Agreement could harm trade to Mexico, its biggest export market.

About 15 percent of dairy production in the United States is exported with one-third valued at \$1.2 billion going to Mexico in the form of milk powder, cheese and whey protein, according to the National Milk Producers Federation, which says trade with Mexico is its top priority. That's nearly double the value exported to Canada, the country's second biggest export market, according to the United States Department of Agriculture.

"The income of dairy farmers, whether they're in Vermont or California, depends heavily on our export to Mexico," said Jaime Castaneda, senior vice president responsible for domestic and international policy for the federation.

If just 1, 2 or 3 percent of the exports were to come back to the United States, "we would see a significant drop on overall prices," he said.

Far from the U.S.-Mexican border, trade is on the minds of dairy farmers in Vermont.

"Mexico is our biggest destination for dairy and it's not only dairy," said Fairfield farmer Harold Howrigan Jr., of the U.S. trade partnership with Mexico. "It's corn and soy also that go down there so our huge trading partner and we need that market."

Howrigan is the board president of the St. Albans Cooperative Creamery. He made comments after meeting with Democratic U.S. Rep. Peter Welch last week.

U.S. dairy trade with Mexico has jumped by 558 percent since NAFTA's implementation in 1994, according to the U.S. Dairy Export Council.

Trump last week promised "pleasant surprises" from planned renegotiations of NAFTA, an agreement he's called the worst deal in U.S. history. Trump has said NAFTA puts U.S. workers at a disadvantage.

Anything that happens that reduces the ability to trade products to Mexico will be troubling for dairy producers in the United States, said Scott Brown, a dairy economist with the University of Missouri.

"Can we renegotiate and get a better NAFTA deal? Only time will tell. Those trade agreements traditionally have taken a lot of time and effort to get everybody on the same page and we know we've benefited tremendously on the NAFTA agreement that we have," Brown said.

Mexico has objected to Trump's pledges to step up deportations, build a border wall and renegotiate NAFTA.

The National Milk Producers Federation and U.S. Dairy Export Council traveled to Mexico City in March to meet with Mexican dairy leaders to reinforce its commitment to continue working with that country.

"We see Mexico as a partner, not necessarily as just a customer," Castaneda said.



Use written plan to handle disease outbreaks in livestock

By David Burton

A written plan to respond to disease outbreaks for your livestock operation is like insurance. You hope you never need it. You may never need it. But if there is an outbreak, the economic survival of your livestock operation might depend on having that plan.

Planning and prevention are the best insurance against an outbreak, says University of Missouri Extension Economist Ray Massey.

Disease in a livestock operation spreads quickly. Animal and economic losses can be catastrophic. The Iowa Farm Bureau Federation estimated losses in that state from a 2015 avian flu outbreak at \$1.2 billion, including 8,400 lost jobs.

When viruses such as avian flu or PEDV strike, livestock operations lose productivity for about six months. "This means that the livestock operator might be without income. Animals have died or been quarantined," said Massey.

Worse yet, operators may incur extra expenses for veterinary bills, installation of new biosecurity systems, composting dead animals and carcass removal.

If you need a line of credit during this period, a written disease-outbreak plan helps present your case to the bank for a loan extension or new loan.

“Have a plan for the worst-case scenario,” said Massey. “The plan tells your banker that you want to stay in business. The bank is more likely to see you as a wise businessman who has shown foresight.”

The best plan of action against disease outbreaks continues to be everyday prevention and preparedness. However, when disease strikes, be ready with a written plan.

Massey recently spoke at a series of biosecurity workshops on how to prevent and respond to disease outbreaks. For more information, contact your local MU Extension center or search online at extension.missouri.edu.

4-H and soil health

Missouri 4-Hers in third through eighth grade are learning how modern agricultural practices can improve soil health, according to MU Extension 4-H Specialist Shane Potter.

The program supports 4-H’s STEM (science, technology, engineering and math) efforts.

“Soil doesn’t just mean dirt,” Potter says. “It is a mixture of minerals, organic material, living organisms, microbials, air and water.”

Potter says the program teaches 4-Hers the whys and hows of improving soil quality. They also learn to conduct a variety of soil tests.

“By asking our 4-Hers to become soil sleuths and CSIs, we can raise awareness of the importance of soil in a rich ecosystem,” he says.

Manjula Nathan, director of the MU Soil and Plant Testing Laboratory, says this new 4-H project will raise much-needed awareness of the importance of soil health.

“These 4-H members will grow up as responsible stewards of the soil,” Nathan says. “If they can understand the concepts learned in this project, they will practice them and remember them.”

4-Hers learn through videos and hands-on activities. They learn to evaluate soil quality through visual inspections and physical and chemical tests.

4-H members will learn how conservation tillage practices and cover crops prevent erosion and loss of nutrients. This leads to discussion on ways landowners improve the environment.

Missouri 4-H’s Ag Innovator Teen Teacher Team is available to provide training at special events. Lora Wright of Greene County is one of the state’s three teen leaders. Mattie Cobban, also of Greene County, is a team member for southwest Missouri.

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MISSOURIAN

MU's Indian cultural association celebrates Holi

BOBBI WATTS, Apr 15, 2017

COLUMBIA — As people danced, flung water balloons and propelled colored powder and water at each other on a brick patio, Indian music resonated through the air.

"Happy Holi," people shouted, as they painted one another's faces with bright colors spanning the rainbow.

The Cultural Association of India hosted its first ever Mizzou Holi: The Festival of Colors event Saturday afternoon at Tara Apartments. With over 50 people in attendance, students and Columbia residents congregated to celebrate under the sun and clouds of colored powder.

Holi, a traditional Hindu festival that usually takes place in March, is a celebration signifying the arrival of spring, unity and triumph of good over evil.

Parag Gholawade, president of CAI and mechanical and aerospace engineering graduate student, said the event was intended to expose more students to Indian culture.

"I just wanted to give Mizzou students a chance to have a taste of Indian culture," said Gholawade. "Holi is really important to Indian people, so if students come and get a taste of Indian culture they'll understand their Indian peers better," he said.

Hirsch Srivastava, a medical student who serves as the organization's historian, described Holi as "a cultural party with religious history."

The Cultural Association of India was established in 1957, making it the oldest international student organization at MU, Srivastava said.

Divya Divya, holding a handful of pink powder, said the event was better attended than others.

"We've celebrated three times already this year, but this has probably been the biggest yet," said Divya, who attended with her friend and fellow Rock Bridge High School senior Erica Garrison.

"It's my first time at a Holi event and I really like it." Dina Ahmede, freshman at MU, said, "I especially like the Indian music, probably more than the American music."

The DJ played Bollywood soundtracks and American dance music like Cupid's 2007 song "Cupid Shuffle."

Every 30 minutes people were encouraged to grab colored powder and waited as Srivastava counted down. When he shouted "Happy Holi," participants threw the powder aloft before returning to dancing, laughing and socializing.

"I've done this one time in Germany but it's a different experience here with a different energy," MU senior Tiffany Sciara said. "It's a lot of fun."

Holi is an opportunity to overcome societal divisions and embrace unity, Srivastava said.

"The underlying message of Holi is that we're all equal. Once you throw on the colors that means there are no differences between anyone," he said.

N.Y.'s Tuition-Free Dream Meets Details

Clawback provisions and residency requirements worry critics, but New York's governor is pushing the big picture.

NO MU MENTION

BY RICK SELTZER APRIL 17, 2017

Details of New York's free public college tuition program stoked a stream of strong reactions in the days since Governor Andrew Cuomo and state lawmakers [reached a deal](#) that will have it starting this fall.

Perhaps the most controversial element of the program, which is called the Excelsior Scholarship, is a work and residency obligation that kicks in after students graduate. Scholarship recipients will have to live and work in New York State after graduation for the same number of years they received Excelsior Scholarships, or their grants will turn into loans.

The program has also generated discussion around a requirement that students complete 30 credits per year to remain eligible. And the 30-credit requirement comes with another caveat that has been previously overlooked: students who don't complete 30 credits in a year could have some of their Excelsior Scholarship clawed back. They'll still be eligible for the first semester of free tuition in the year in which they failed to complete 30 credits. But after that year is over, they could receive a bill from their college or university asking them to pay for their second semester, unless a hardship is declared.

The 30-credit requirement has further inflamed a long-ranging debate over how to best ensure students, particularly first-generation and low-income students, earn their degrees after enrolling in college. It has also expanded to include discussion over the best way to encourage colleges and universities to help such students graduate on time.

Those arguments join the disagreement over the program's work and residency restrictions, which has turned into a battle over the merits of brain-drain protectionism on a state-by-state basis in a country where college graduates often move to pursue jobs and opportunity. It also joins existing arguments on whether the program should provide more money for low-income students and whether enough money has been set aside to cover costs.

Together, the discussions reflect the fact that the Excelsior Scholarship is a groundbreaking program that's captured attention across the country. Now the question is whether it will prove to be an effective policy, making it easier and cheaper for New York students to attend college, or an elaborate tangle of red tape that overpromises, restricts students and will ultimately underperform.

Study in New York, Live in New York, Work in New York

The Excelsior Scholarship is a "last-dollar" program that bridges the gap between tuition costs and previously available state and federal aid. It's available to students who are New York residents and attend public four-year colleges and universities and community colleges.

In its first year, the program will be available to students from families with annual incomes of up to \$100,000 per year. The income limit will go up to \$110,000 in 2018 before rising to its ultimate cap of \$125,000 the next year.

Those details are essentially the same as what Cuomo proposed when he first unveiled a free-tuition plan [in January](#). But New York Republicans added a major change during the legislative process, adding the residency requirement. The governor has since come out in support of that requirement, however.

"Why should New Yorkers pay for your college education and then you pick up and you move to California?" he said, [according to *The New York Post*](#).

Not everyone agrees with that sentiment. It's at odds with the historic relationship between public higher education and taxpayers, according to Barmak Nassirian, director of federal relations and policy analysis at the American Association of State Colleges and Universities.

Traditionally, state colleges and universities have posted lower tuition for in-state students than for other students, under the idea that taxpayers had been helping to fund those institutions for years before their children enrolled, Nassirian said.

Story [continues](#).