



THE MICHIGAN DIFFERENCE

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UNIVERSITY OF MICHIGAN
DEPARTMENT OF ORTHOPAEDIC SURGERY

NEWS AND NOTES

ISSUE 1 SPRING 2007

WILPONS GIVE \$5 MILLION FOR SPORT INJURY PREVENTION CENTER

The U-M Department of Orthopaedic Surgery and Division of Kinesiology have received \$5 million from the Judy and Fred Wilpon Family Foundation to launch a Sport Injury Prevention Center (SIPC). They have also given \$4 million to rebuild the U-M baseball and softball stadiums and \$3 million for undergraduate scholarships.

“Through my own life experiences, I know how much happiness sports can bring a person.”

Fred Wilpon

Sterling Equities, and co-founder and chairman of the Brooklyn Baseball Company which owns the Brooklyn Cyclones. He played baseball at U-M until an arm injury cut his career short, but a scholarship enabled him to continue his studies. Wilpon and his wife, Judy, both earned BAs from U-M in 1958.

“Through my own life experiences, I know how much happiness sports can bring a person,” explains Fred Wilpon. “Judy and I wanted to help create a center at Michigan to ensure that children and adults who love sports can enjoy them to their fullest with as little risk of injury as possible.”

The goals of the SIPC are to foster collaborative, scientific work at U-M on the prevention of sports injuries, to develop an educational program for the teaching of injury prevention strategies and to reduce the incidence of injuries from sports activities through injury prevention education.

Fred Wilpon is chairman and CEO of the New York Mets, co-founder and chairman of



Fred and Judy Wilpon

This interdisciplinary Center will bring together orthopaedic surgeons, athletic trainers, bioengineering researchers, epidemiologists, and specialists in technology transfer to develop and implement preventive measures for sports injuries by linking research, clinical applications, and athletic practice. Interim Directors of the SIPC are U-M Sports Medicine Chief Edward M. Wojtys, M.D., and U-M Biomedical Engineering Professor James A. Ashton-Miller, Ph.D.

“I am very excited about the potential of this Center and deeply grateful to the Wilpons for their vision and generosity.”

James E. Carpenter, M.D.
Harold W. and Helen L. Gehring
Professor of Orthopaedic Surgery
Chair, Department of Orthopaedic Surgery

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NOTES FROM THE CHAIR:

Greetings from Ann Arbor and Michigan Orthopaedics



I'm happy to report that 2006-07 has been a fine year in both clinical care and research. The demand for our services continues to expand. So does our referral base and our clinical volume. Most importantly, our physicians continue to provide superb care to our growing population of patients and to explore new frontiers in orthopaedic surgery.

To help with these tasks, we've brought on ten outstanding new faculty members (see p. 5 for more details).

Highlights among faculty awards include the election of Steve Goldstein, Ph.D., to the National Academy of Engineering; and Lifetime Achievement Awards from the U-M Medical Center Alumni Society to Drs. Matthews and Hensinger.

Remodeling in the Taubman Center has allowed us to double our space and build our own library. And we've expanded the outpatient surgery center near our MedSport facility in east Ann Arbor.

I'm delighted to announce that Bob Hensinger has been named the first William S. Smith, M.D., Collegiate Professor in Orthopaedic Surgery (see p. 4). Thanks to the remarkable generosity of orthopaedic alumni, Smith family members and friends, and a lead gift from Bill and Donna Patterson of Grand Junction, Colorado, we were able to fund this professorship.

Along with these exciting changes, some things here remain reassuringly steady. Bob Hensinger, Dean Louis, Herb Kaufer, and Larry Matthews all continue to work with patients and residents — and to inspire and help the rest of us.

I look forward to seeing or hearing from you in the coming year. Thank you for your support of Michigan's tradition of excellence in orthopaedic surgery.

James E. Carpenter, M.D.
*Harold W. and Helen L. Gebring
Professor of Orthopaedic Surgery*

GLANCY FAMILY GIFT ESTABLISHES NEW FUND FOR ORTHO SURGERY RESEARCH

An Expression of Gratitude Commemorates Three Generations at Michigan

An extraordinary gift from Ruth Roby Glancy (AB '62) of Grosse Pointe Farms, MI, and her family will help Michigan to maintain its leadership in orthopaedic research. The Glancy Foundation has committed \$250,000 to the Medical School in gratitude for the care given to several members of the Glancy family by Dr. James E. Carpenter, chair of the department. The gift, which establishes the Glancy Family Fund for Research



in Orthopaedic Surgery, also stems from the family's interest in the advancement of knowledge in bone and tissue regeneration.

The family's connection to the University of Michigan began with Ruth Glancy's father, Douglas F. Roby, Sr. (AB '23), who played varsity football for the legendary Fielding Yost and lettered in baseball as well.

A longtime member of the International Olympic Committee and president of both the U.S. Olympic Committee and the Amateur Athletic Union, Roby was for a time Michigan's oldest living varsity letterman. He died in 1992.

"Michigan has been a very important part of my life and my children's lives, as it was for my father," Glancy said.

Other Michigan alumni from the Glancy family include three of her four children: A. Robinson (Rob) Glancy IV (MBA '99, MS '99) of Atlanta; Joan (Jody) Glancy Scott (MBA '96) of Ann Arbor; and Douglas R. Glancy (MBA '07, MS '07) of Ann Arbor.

The Glancys are active in Michigan fundraising and research. Ruth Glancy serves on the Greater Detroit Leadership Gift Committee and the Health System Advisory Group. Her husband, Al, recently joined the U-M Visiting Committee for the Michigan Center for Theoretical Physics.

Jody Scott serves on the Washtenaw Michigan Difference Campaign Committee, the Alumni Association Alumni Leadership Council, the Alumni Board of Governors and the Women's Leadership Council for the Ross School of Business, and the Young Professionals Group at the Museum of Art.

ALUMNI SPOTLIGHT: THE FISH FAMILY

Making Orthopaedics a Family Affair

James, Daniel, and Steven Fish enjoy an extraordinary bond. Besides the language shared by most fathers and sons, they also share the language of orthopaedic surgery.

“It’s really nice to be able to call my father and brother when I need to talk about difficult cases,” says Daniel, a general orthopaedic surgeon who lives in Ridgefield, Connecticut, with his wife, Gerry, and their son, Alexander. “I get input from both in an unbiased fashion. They have an excellent understanding of what is happening in the field.”

All three surgeons completed their post-doctoral training at Michigan’s Orthopaedic Surgery Residency program — Jim in 1961; Daniel in 1992; and Steven in 1997. “I received excellent training at the University of Michigan and developed a knowledge base together with problem solving abilities that helped me throughout my career,” says Jim. “I know that my sons benefited from a similar experience.”



Jim and Ruth Fish

How did orthopaedics become so ingrained in this family’s life? Jim, the patriarch, now retired with his wife, Ruth, in Watertown, New York, insists he had little to do with it. “I didn’t try to push my sons into medicine,” he says. “Steve and Dan worked in hospital operating rooms during the summer vacations of their late teens. This gave them a chance to look at all types of surgery. They both decided to go into orthopaedics on their own.”

But Daniel says his fascination with the field began much earlier, and owes much to his dad. “By age ten, I knew I wanted to be an orthopaedic surgeon,” he says. “I was exposed to medicine my whole life. I saw

how much my father liked his career and the effect he had on his patients’ lives. He was a great inspiration to me.”

During a practice that spanned 35 years, Jim became especially well known for his work with Slipped Capital Femoral Epiphysis (SCFE). He perfected the cuneiform osteotomy, a difficult surgical procedure used to repair a condition in which the ball at the upper end of the femur slips off in a backward direction. His work in this area was

featured in a lead article in *Bone & Joint Surgery* in October 1984. “At the time, SCFE hadn’t been performed by many surgeons because it was thought to be too risky,” he says. “So I attracted patients from far and wide. This work was really very rewarding.”

Specializing in sports medicine, Daniel shares a private practice in Brookfield, Connecticut, with two other physicians, and maintains a strong surgical practice. During a fellowship at

Massachusetts General Hospital in the 1990s, he was associate team physician for the New England Patriots and the Boston Bruins.

Today, Daniel remains committed to providing patients with the latest proven techniques and therapies. “There are many conditions that are better understood today, like rotator cuff pathology in shoulders,” he explains. “We also understand the functions of the knee better than ever now. There are a number of newer treatments that have had significant positive effect on patients’ lives. We are able to do much more in less invasive ways.”

Brother Steven lives in Watertown, New York, with his wife, Claudia, and sons, Harrison, and Owen. “The best part of my job is improving the quality of life for patients,” he says. Like his father and brother, Steven is fascinated by new developments in the field.

“Orthopaedics is very dynamic,” he says. “Technology and surgical approaches continue to improve outcomes and patient satisfaction. I’m interested in computer-assisted surgery that allows greater reproducibility of procedures through more limited approaches. Also, new bearing surfaces in hip replacements, i.e., metals and ceramics that may significantly improve the durability of total joints.”

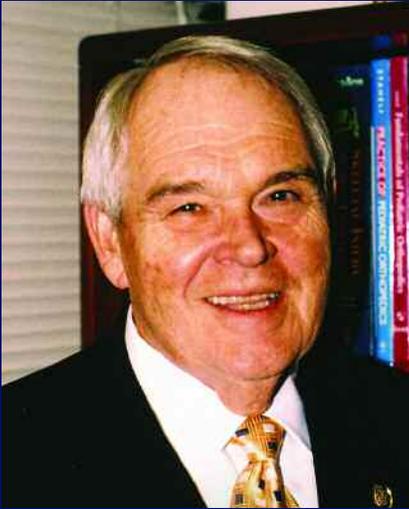
The practice of orthopaedic medicine may extend to another generation in the Fish family. Recently, Daniel’s son, Alexander, took

his father aside and told him what he wanted to be when he grew up. He declared: “I want to be an orthopaedic surgeon — or a race car driver.”

“I saw how much my father liked his career and the effect he had on his patients’ lives. He was a great inspiration to me.”

Daniel Fish, M.D.

ROBERT HENSINGER NAMED THE FIRST WILLIAM S. SMITH COLLEGIATE PROFESSOR



Robert Hensinger

Three years ago, we launched our campaign to create a lasting memorial to Bill Smith, the long-serving head of the Orthopaedic Surgery section, through the establishment of the William S. Smith Collegiate Professorship in Orthopaedic Surgery.

Now, thanks to the generosity of our alumni and Bill's relatives, friends, and colleagues — and especially to a leadership gift from William Patterson, M.D. (Residency Class of '67) and his wife, Donna — we have reached our goal: the \$500,000 fund needed to establish the Smith Professorship. "Being a resident at Michigan under Dr. Smith was one of life's best experiences for me," said Dr. Patterson, of Grand Junction, Colorado.

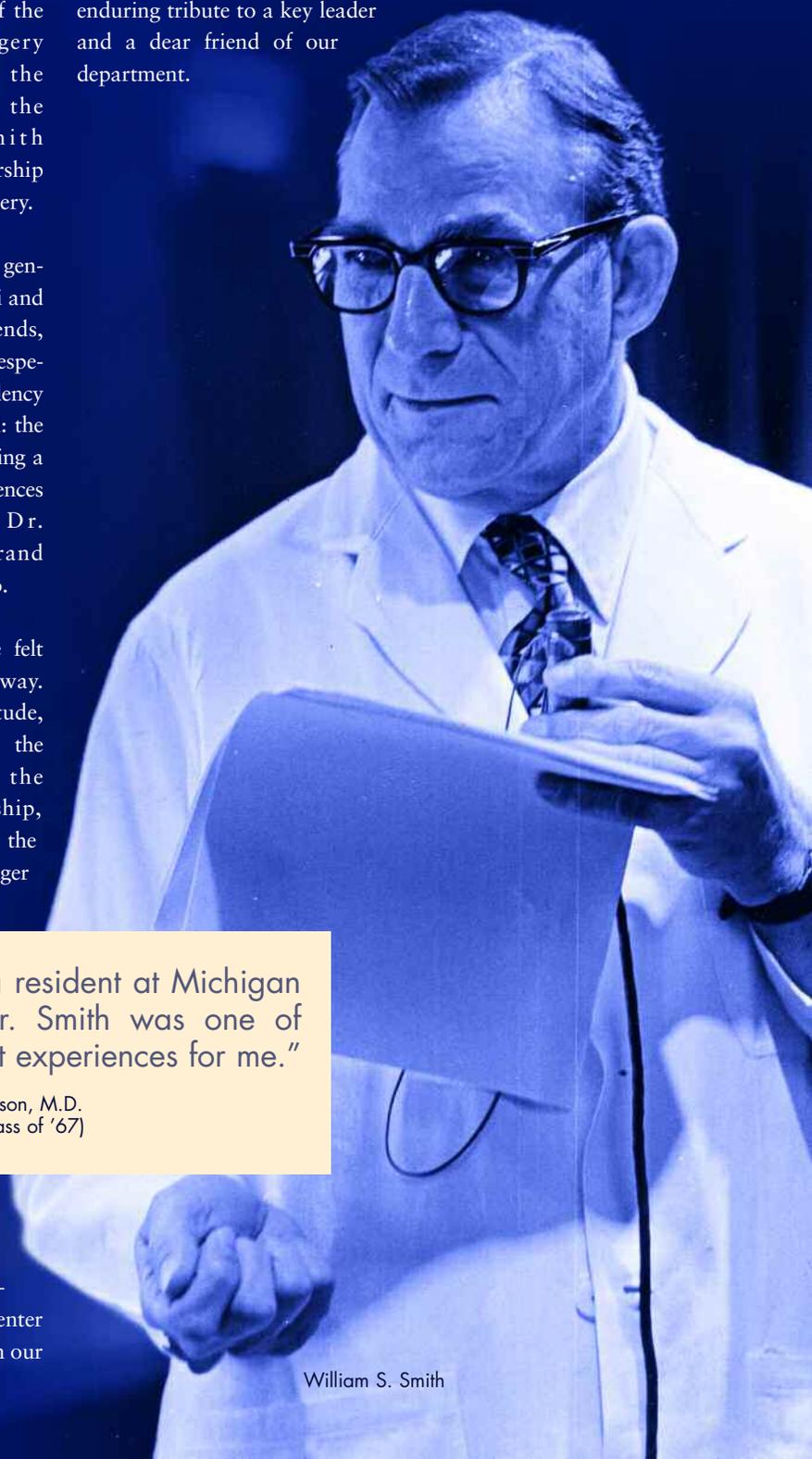
Many others have felt the exact same way. Now, their gratitude, expressed through the endowment of the Smith Professorship, will carry on into the

future, supporting the continuing work of Robert "Bob" Hensinger who has been named the first William Smith Collegiate Professor.

This honor is quite fitting as Dr. Hensinger not only trained under Dr. Smith but also worked side by side with him for many years. He has served in many roles in the Department of Orthopaedic Surgery including as its first Chairman. In addition, he has served as Section Head and Division Chief of Pediatric Orthopaedics. Bob has served as President of the American Academy of Orthopaedic Surgeons as well as the Pediatric Orthopaedic specialty society. He was recently recognized with the Distinguished Service Award from the Medical Center Alumni Society. Bob is a vital clinician and key faculty member in our

department. He's been a great mentor for a number of faculty members, especially those in pediatric orthopaedics.

Thank you all for your support of this enduring tribute to a key leader and a dear friend of our department.



William S. Smith

This honor is quite fitting as Dr. Hensinger not only trained under Dr. Smith but also worked side by side with him for many years.

"Being a resident at Michigan under Dr. Smith was one of life's best experiences for me."

William Patterson, M.D.
(Residency Class of '67)

NEW FACULTY

Ten outstanding faculty have recently assumed important roles in the Department of Orthopaedic Surgery.



Andrea Alford, Ph.D., earned her doctorate in cell and molecular biology from the Pennsylvania State University College of Medicine and conducted post-doctoral fellowship work with their Musculoskeletal Research Laboratory. She also completed fellowships at Duke University Medical Center and at U-M's Regenerative Medicine Training Program. Currently, Dr. Alford is a research investigator with U-M's Orthopaedic Research Labs.



David Alvarez, D.O., joined the Department of Family Medicine in 1996 as a clinical instructor. He was named an assistant professor in 2001 and became an assistant professor in orthopaedic surgery in 2004. Trained at Michigan State University, he took his residency at the U.S. Naval Hospital at San Diego, then was a fellow in sports medicine at U-M. Dr. Alvarez serves as team physician at Eastern Michigan University.



Michelle Caird, M.D., joined the Mott pediatric team in 2004. Dr. Caird earned her M.D. at U-M in 1998, then was a resident here. Her fellowship in pediatric orthopaedics was at the Children's Hospital of Philadelphia. A specialist in the treatment of scoliosis and hip diseases in children, she is conducting research in pediatric fractures and osteogenesis imperfecta.



Laurie D. Donaldson, M.D., joined the department as a lecturer in January 2006. After earning her M.D. at the University of Missouri, Dr. Donaldson was a resident in pediatrics at Emory University and a fellow in sports medicine at the Maine Medical Center. She is board certified in both pediatrics and sports medicine and practices sports medicine at MedSport with athletes of all ages.



Jolie Holschen, M.D., holds a joint appointment as assistant clinical professor of orthopaedic surgery and emergency medicine. A graduate of the Washington University School of Medicine and the University of Chicago emergency medicine residency program, she is fellowship trained and board certified in sports medicine. Her research interests include the role of endogenous hormones and oral contraceptives in risk of injury.



Anish R. Kadakia, M.D., also a member of the Foot and Ankle Orthopaedic Service, most recently served a year at the Foot and Ankle Institute of the Mercy Medical Center in Baltimore. He completed his residency and medical degree at Northwestern University, where he received multiple honors.



Stanley Lee, M.D., a U-M M.D., was named to a clinical lectureship in orthopaedic surgery in 2004. He was a resident at the Loyola University Medical Center, where he developed expertise in complex conditions of the spine. He completed a fellowship at Washington University in St. Louis before returning to U-M. Dr. Lee is conversational in Mandarin and Cantonese.



Robert E. Meehan, Jr., M.D., comes to us from the Department of Orthopaedic Surgery at the Detroit Medical Center and Wayne State University School of Medicine. A magna cum laude graduate of Creighton University and the University of Nebraska College of Medicine, Dr. Meehan served a fellowship in foot and ankle surgery at the University of California at San Diego. He has joined the staff of the Foot and Ankle Orthopaedic Service.



Karl F. Schultz, M.D., is an expert in the preservation and reconstruction of hip and knee joints. He came to the Adult Reconstructive Service after residency at Harvard and a fellowship at Rush University Medical Center in Chicago. He earned his M.D. at the Wayne State University School of Medicine in 1998.



Kelly L. VanderHave, M.D., was a resident in Orthopaedic Surgery at U-M before she became an assistant professor in the Division of Pediatric Orthopaedic Surgery at Pennsylvania State University. Among her research interests are the study of pediatric spinal disorders and pediatric trauma. She completed a fellowship at the Texas Scottish Rite Hospital in Dallas.

NEW IDEAS IN TREATMENT AND RESEARCH

MEDIAL OPENING WEDGE HIGH TIBIAL OSTEOTOMY



Medical opening wedge HTO

Bruce S. Miller, M.D.

Treatment of the varus degenerative knee in a young, active individual poses a challenge to the orthopaedic surgeon. Although total knee replacement is an excellent option for some patients, high tibial osteotomy may be more appropriate in a young patient or in a patient who wishes to maintain a high level of activity.

The medial opening wedge high tibial osteotomy (HTO) has gained much popularity in recent years. This procedure offers technical advantages over the lateral closing wedge technique. It allows the surgeon to precisely control angular correction, and it obviates the need for any dissection on the lateral side of the leg.

We have completed several investigations on the medial opening wedge HTO. Most notably, we have demonstrated that inadvertent rupture of the lateral tibial cortex during distraction of the osteotomy results in marked instability, and that stability can be restored in this setting simply by applying staple fixation at the site of the rupture (Miller et al. *Am J Sports Med.* 2005 Oct; 33 (10): 1552-7).

ULTRASOUND EVALUATION OF CLUBFEET

Clifford L. Craig, M.D.

Ponseti's casting and subsequent bracing technique for the treatment of clubfeet has created a veritable second revolution in this area of pediatric orthopaedics. Four to six weeks of casting are followed by three months in a Dennis Brown bar with the feet in 70 degrees of abduction for 23 hours a day, then a minimum of 12 hours per day for the next four years. Feet with incomplete correction after initial casting undergo a heelcord tenotomy, followed by four weeks of additional casting, followed by the foot abduction orthosis treatment regimen. Most pediatric orthopaedic surgeons adopting this technique are reporting a reduction in the need for circumferential release to fewer than ten percent of these children.

Prior to our returning to Michigan, we had been studying clubfeet with ultrasound by evaluating the unossified navicular's relationship to the medial malleolus. Using this technology, we were able not only to measure the gradual correction of the navicular as it moved away from the medial malleolus, but also its flexibility.

Fortunately, the pediatric radiology department (Drs. Kuhns, Kujok, and Dipietro) at Michigan has also had a strong interest in ultra-

sound. We have been able to utilize their expertise in validating the Ponseti casting technique.

We (Drs. Hensinger, Farley, Caird, Craig, and VanderHave) are now using ultrasound to validate a new orthosis designed by our orthotics and prosthetics department (Mark Clary, Nicole Weiss, Jared Butler, Nick Lecursi, and Aaron Tarnow) to replace the Dennis Brown splint, to evaluate the rate of healing of the heelcord tenotomy, and to determine an objective treatment endpoint for the foot abduction orthosis. This promises to be a very active area of research over the next several years.



New orthosis developed to replace the Dennis Brown splint

FACULTY AWARDS

National, regional, and local awards and distinctions continue to recognize the outstanding quality of our faculty. Here are recent highlights:

- **Steve Goldstein, Ph.D.** was elected to the National Academy of Engineering. This honor is given only to the most distinguished American scholars of engineering. It represents a major life achievement for Steve and a feather in the cap of the department and the entire university.
- **Drs. Larry Matthews and Bob Hensinger** were honored with Lifetime Achievement Awards from the U-M Medical Center Alumni Society.
- The **Division of Pediatric Orthopaedics** was recognized as one of the top five pediatric programs in the country by *Child* magazine.
- Eight faculty members were named to the “Best Doctors in America” list, published by Best Doctors, Inc.: **Drs. J. Sybil Biermann, J. David Blaha, James Carpenter, Frances Farley, James Goulet, Bob Hensinger, Peter Jebson and Edward Wojtys.**
- Four were ranked among the best doctors in metropolitan Detroit by *Hour Detroit* magazine: **Drs. James Carpenter, Bob Hensinger, Andrew Urquhart, and Edward Wojtys.**
- **Waldomar Roeser, M.D.,** was elected to the Eastern Michigan University Athletic Hall of Fame for his long service to EMU’s student-athletes.
- **Edward Wojtys, M.D.,** medical director of MedSport, was selected to participate in the Global Leadership Program, sponsored by Linkage Incorporated, an organizational development company that specializes in leadership development.
- **Drs. J. Sybil Biermann, Peter Jebson, and Jim Goulet** were selected to participate in the Leadership Development Program, a joint program of the Ross School of Business and the Medical Center.

2007 ORTHOPAEDIC CALENDAR

Summer/Fall Events

SENIOR RESIDENT THESIS DAY

Friday, June 8, 2007

Sheldon Auditorium, Towsley Center, 7:30 a.m. to noon

For more information, contact: Shari Voisard

734.615.3100

FOOT AND ANKLE LECTURESHIP

Friday, September 14, 2007

Michigan Union, 8 a.m. to 4 p.m.

For more information, contact: Kelly Shand

734.615.0220

BADGLEY DAY

Friday, October 26, 2007

Kensington Court Hotel, 8 a.m. to 5 p.m.

Guest Speakers: Bernard Bach, Jr., MD,

Rush-Presbyterian Medical Center

For more information, contact: Bernie Mould

734.930.7407

SPINE LECTURESHIP

Friday, November 2, 2007

Palmer Commons, 8 a.m. to 12:30 p.m.

Guest Speaker: Todd Albert, MD, The Rothman Institute

For more information, contact: Marisa Rhodes

734.936.7299



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Imagine A Day When...

It will be possible to repair a damaged hip or knee by inducing new bone and cartilage growth instead of replacing it with an artificial one; a child born with congenital scoliosis can lead a healthy, active life; and older adults can remain physically active throughout their retirement years. U-M Orthopaedic Surgery faculty members are exploring ways to turn these dreams into reality.

How You Can Help

- Research support fuels new and innovative orthopaedic techniques.
- Educational support helps us provide the richest training experience to our residents.
- Endowed professorships enable us to recruit and retain the very best clinical and research faculty.

TO LEARN MORE ABOUT
MAKING A GIFT, CONTACT:

Ellen Abramson
Director of Development
Department of Orthopaedic Surgery
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