

**JANUARY 2019**

# WSU Surgical Critical Care Fellowship



**Inside this issue:**

<i>WSU Surgical Critical Care Fellowship</i>	1-2
<i>Productivity</i>	3-4
<i>Holiday Season Activities</i>	5
<i>Holiday Greetings from the Outfield</i>	6-9
<i>WSU Conferences</i>	10
<i>WSSS Dues</i>	11
<i>WSSS Members</i>	12-13



**2018 WSSS OFFICERS**

**President:**

*Jeffrey Johnson (WSUGS 1984)*

**Vice-President:**

*Scott Davidson (WSU/GS 1990/96)*

**Secretary-Treasurer:**

*Joseph Sferra (WSUGS 1991)*

**Members-at-Large:**

*Pamela Johnson (WSU/GS 1984/89)*

*Larry Narkiewicz (WSU/GS 2004/09)*

*Bruce McIntosh (WSU/GS 1989/94)*

**Resident Member:**

*Anna M. Knight (WSUGS 2019)*

When the Editor was a young resident, almost all patients were extubated in the operating room and provided postoperative care in the recovery room prior to going to the floor. When patients required continued ventilation, they were cared for in the recovery room utilizing machines that were piston-driven and might now be seen in some historical medical museums. During the early 1960s, the first surgical intensive care unit (SICU) was opened at the old Detroit Receiving Hospital and contained four beds. Ms. Lucy Brand (see September Monthly Email Report) was the nursing supervisor and was responsible for educating many nurses and residents and, indeed, attending surgeons regarding nursing care of the critically ill surgical patient. Subsequently, in the mid-'60s, a specific unit was created for a new ICU. This unit contained six beds and could, on occasion, be expanded to eight beds and served all the hospital. During these years, all of the patients were managed by the general surgical residents with the supervision of the attending physicians who were all intimately involved with the critical care of their patients. These residents were very facile in establishing all sorts of lines, placing Blakemore tubes, and administering complicated resuscitation including treatment with cardiovascular drugs and drugs to monitor traumatic brain injury.

When the old DRH closed in 1980 and moved to its current location, the new SICU had six beds and was, again, managed by an outstanding nursing team who were very helpful in the education of residents in how to provide care to critically ill surgical patients. Bedside teaching for the nurses and for the residents was in its heyday as everybody gathered around to participate on rounds conducted by those surgeons with special interest in surgical critical care.



The Old Detroit Receiving (General) Hospital

Continue page 2



## WSU Surgical Critical Care Fellowship, cont.

The American Board of Surgery began the extra certification in surgical critical care in 1988. As would be expected, one of the nation’s leaders in surgical critical care, Dr. Robert Wilson (WSUGS/TS/SSC 1963/65/88) was the first to pass that examination followed shortly thereafter by the Editor. During the late 1980s and throughout the 1990s, the care of these critically ill surgical patients continued to be provided for by the surgical residents supported by the attending surgeons. All of the residents could float a Swan-Ganz catheter within five minutes in order to monitor oxygen output and oxygen consumption.



Dr. Robert F. Wilson

Over the past 20 years, the certification of critical care has expanded to many specialties, and the specialty of surgical critical care has developed. Currently, the WSU Surgical Critical Care Fellowship (WSU SCC) is under the direction of Dr. Steven Tennenberg and provides surgical care and teaching in all of the DMC hospitals. Some of the former residents who have completed the WSU SCC Fellowship include Dr. Lisa Flynn (WSU SCC 2011), Dr. Terra Pearson (WSU SCC 2012), Dr. Michael White (WSU SCC 2012), Dr. Alicia Olson (WSU SCC 2013), Dr. Jeremy Ciullo (WSU SCC 2014), Dr. Al Baylor (WSU SCC 2015), and Dr. Roy Golden (WSU SCC 2016). This program will continue to grow as more and more graduating general surgery residents recognize the changing times that are happening as it relates to surgical critical care.



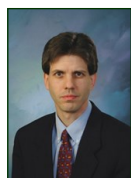
Dr. Steven Tennenberg



Dr. Lisa Flynn



Dr. Terra Pearson



Dr. Mike White



Dr. Alicia Olson



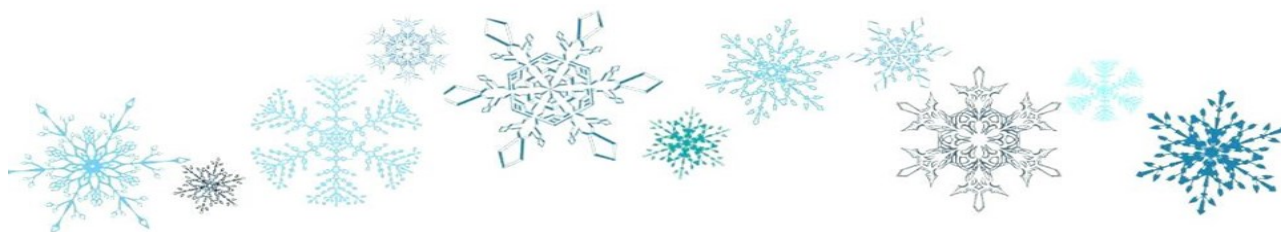
Dr. Jeremy Ciullo



Dr. Al Baylor



Dr. Roy Golden





## REPORTS FROM THE OUTFIELD



# PRODUCTIVITY

Dr. Larry Diebel (WSU/GS 1980/86) published a paper in the Journal of Trauma and Acute Care Surgery entitled "Acute Hyperglycemia Exacerbates Trauma-Induced Endothelial and Glycocalyx Injury: An In-Vitro Model." His co-authors were Dr. Mark Diebel (WSU/GS 2012/17), Dr. Jonathan Martin (WSUGS 2020), and Mr. David Liberati. The authors pointed out that acute hyperglycemia following severe injury is associated with an increased mortality rate. Using an in-vitro model, they assessed the effect of acute hyperglycemia on trauma-induced endothelial cell (EC) inflammation, glycocalyx (GC) shedding and integrity. Using human umbilical cells subjective to a hemorrhagic shock/reperfusion insult, they demonstrated both EC injury and GC degradation, which was worse when associated with hyperglycemia. They postulated that this type of technological assay may facilitate earlier recognition of shock severity and guide earlier therapeutic strategies (J Trauma Acute Care Surg 2018;85:960-967).



Larry Diebel



Mark Diebel



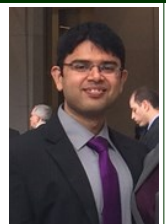
Jonathan Martin



Dave Liberati

Dr. Faraz Khan (WSUGS 2016) has published a paper entitled "Variability of the F-Cell Ratio After Treatment of Traumatic Hemorrhagic Shock" in the last November issue of the Annals of Medicine and Surgery.

Dr. Khan also reports that he and his other junior partner at the Loma Linda University have performed the first thoracoscopic esophageal atresia repair and congenital diaphragmatic hernia repair at their new institution. They look forward to continuing the advancement of minimally invasive surgery in complicated pediatric surgical patients.



Faraz Khan





## REPORTS FROM THE OUTFIELD



## PRODUCTIVITY, cont.

Dr. Jonathan Martin (WSUGS 2020) published a paper in the July 2018 issue of the Journal of Trauma and Acute Care Surgery entitled "Excess Sodium is Deleterious on Endothelial and Glycocalyx Barrier Function: A Microfluidic Study". His co-authors were Mr. David Liberati and Dr. Lawrence Diebel (WSU/GS 1980/86).



Jonathan  
Martin

Previous studies have identified that acute hypernatremia is an independent factor for morbidity and mortality in critically ill patients, particularly patients with hip fractures and burn injury. Dr. Martin looked at the microfluidic technique to study the endothelial barrier of cultured endothelial cells. Microfluidic assessment of barrier function uses modified thin capillary tubes to represent capillaries with small perforations or channels to represent pores. This mechanical device is filled with cultured embryonic cells, which are used to represent the endothelial barrier. Using this technique, Dr. Martin was able to show that high sodium concentrations caused an impairment of endothelial function and of the glycocalyx barrier. The interstitial fluid space is composed of proteoglycans, often referred to as glycoaminoglycans (GAGS), extending from the capillary membrane to the cell membrane. The layer of GAGS near the capillary are sometimes referred to as the glycocalyx and are used to assess barrier function. These authors demonstrated that there is degradation of the glycocalyx with hyponatremia and this is made worse when these endothelial cells are exposed to hypoperfusion as induced by epinephrine or by hypoxia as induced by a low oxygen state. These findings may explain some of the disappointing results of using hypertonic saline instead of balanced crystalloid solution to resuscitate severely injured patients as part of prior randomized controlled studies.



Dave Liberati



Larry Diebel





## HOLIDAY SEASON ACTIVITIES

### Department of Surgery Holiday Celebration

Each year the Michael and Marian Ilitch Department of Surgery hosts a holiday function for the faculty, residents, and families. Dr. Donald Weaver (WSUGS 1979) serves as the host for this annual function, which is always a time for happiness and pleasantries. This year the function was held at the Detroit Marriott Renaissance Center on Friday, December 7<sup>th</sup>. There were many people in attendance. Included were Dr. David Edelman (WSU/GS 2002/09), the Department of Surgery Program Director, with his many residents.



(Left to right) Michelle Coughlin (WSUGS 2023) Allison Maringo (WSUGS 2021), Brittany Milliner (WSUGS 2024), Lester Laddaran (WSUGS 2020), Alyssa Stroud (WSUGS 2023), Sheel Patel (WSUGS 2021) Miguel Tobon (WSUGS 2020), Anastasia Stevens-Chase (WSUGS 2020), David Edelman (WSU/GS 2002/09), Mia Miller (WSUGS 2020), Nina Delavari (WSUGS 2021)

### Lucas/Ledgerwood End-of-Rotation Party

Each December, Dr. Anna M. Ledgerwood (WSUGS 1972) hosts a party for the residents and students who rotated on the Lucas/Ledgerwood Services during the prior six months. This year's party was on Friday, December 14<sup>th</sup>. She hosts this evening event at her home where many residents, students, their spouses and children were in attendance.



Radhika Rastogi (WSU SOM Year IV) and Dr. Anna Ledgerwood





## **HOLIDAY GREETINGS FROM THE OUTFIELD**

### *2019 Christmas Greetings From The Stefan Fromm's*

Another year has flown by. A time to reflect and enjoy the memories, and thankful for all the blessings received and enjoyed. We are well and restored to health. Glad 2017 is in the past. We hope and trust that you are also well.

We spent Christmas with Sandi and her family in Vidalia, Georgia. Enjoyed the visit with Trace who came home from Omaha, where he is an actuary with Mutual of Omaha. Tyler was home from Georgia Southern, where he is a sophomore at 18 years. Tatum also is a sophomore busy with sports and school. We had a great and enjoyable visit.

We then went on to Terrie's in Palm Harbor, Florida for the New Year. I made a pael-la for the family, including my brother Karl and sister Ruth, and several family friends. We stayed at Terrie's until mid-February, and visited several friends during that time. We missed not staying at a campground with our motor home. Lindsey and Tiffany and our great grandkids all visited us and we enjoyed all of them a lot!



We had a baby shower on Feb 16 at Sandi's for Whitney, who now lives in Savannah, Georgia, which brought us back to Vidalia, where we stayed for several days. Our fourth great grandchild, Jameson, was born on St Patrick's day, March 17. He was born a month early but he is healthy and doing fine.

March took us to Santa Monica for the wedding of my sister-in-law Ann, my brother Gerhart's widow. We had a great time visiting with my niece Allison and nephew Devin and their families. Our daughter Ruth, grandson James, and niece Victoria, with her family, rounded out this fun family get together.

We visited with Sandi at Tatum's soccer matches, and in Blue Ridge with Tiffany and her family, filling April and May. Our summer calendar seemed to be filled with doctor's appointments, but did find time for a brief visit to the Smokies, camping at a motel in Townsend, which is a new experience we are still trying to get used to.



Shirley taking time to read



## **HOLIDAY GREETINGS FROM THE OUTFIELD**

### *2019 Christmas Greetings From The Stefan Fromm's, cont.*

We are grateful that the boys and their families live near us and we can visit them often. Their children are growing up and leaving for other pastures. Reagan is in New York, Ethan is in the Marines, Colton is at UGA, Sheridan lives in Savannah, Shelby is at Tennessee, James is in Las Vegas, Hannah lives in Colorado, Whitney is in Savannah, and Trace is in Omaha! We miss the times we had together but we will have most of them at home this Thanksgiving! Actually had 31 for paella first and then celebrated Turkey day.

In late September we drove to Michigan for Shirley's 60th reunion of her Henry Ford Hospital nursing class. Reuniting with so many classmates and their husbands was a real treat. WE stayed with her brother, Alan, and his wife, Diane, in Berkley, and had a nice luncheon reunion with the rest of the Michigan family while we there.

We returned home for more doctors appointments before making time for another trip to the Smokies. Unfortunately, we were there a week or two before the color change, but we enjoyed our time of relaxation.



Stefan hiking

We have rented an apartment in Clearwater for a month and plan to spend Christmas and some into the new year visiting family and friends. We return home in time to leave on a cruise, the Crystal Symphony, on February 2 through March 8. We then fly to Buenos Aires and sail around to Chile, then on to Tahiti, and returning home via San Francisco on March 9.

We wish y'all a blessed Christmas and a new year of health, filled with hope and joy and peace. May the love of family and friends surround you always.

God bless us all,  
Stefan & Shirley





## HOLIDAY GREETINGS FROM THE OUTFIELD

### 2019 Christmas Greetings From The Smith's

December 2018

Greetings from the Smiths,

Here is a family update:

Mark is midway through his third year of general surgery residency at Hennepin County Medical Center. The big news is him and Anna are expecting a baby in mid March!

Scott successfully completed Army Ranger training in September, and now is stationed at Ft. Lewis near Tacoma. The other big news is while on leave, Scott married his fiancé Jenna the last weekend in October. We had a small wedding with family and a few friends – wonderful wedding! Jenna is in the center of the Christmas picture next to Scott.

Steve started a new job with 3M. He is working in finance at the St. Paul 3M headquarters.

Christina graduated from George Mason University in May with a degree in Criminology and a minor in forensics. She currently is in an accelerated nursing program, and will finish an RN degree a year from now.

Julia is a sophomore (pre-med) at Loyola-Chicago. She is the goalie on the Girl's Ice Hockey Team. They won their conference championship (Julia was MVP of that tournament), and went to the National Championships in Columbus, Ohio last March.

Norita continues providing nursing care at the Bemidji hospital, and Dan maintains his busy surgical practice.

We wish you a blessed Christmas and a great 2019!

The Smiths







**HOLIDAY GREETINGS FROM THE OUTFIELD**

**2019 Christmas Greetings From The Gutowski's**



*Oh what fun!*

Wesołych Świąt i Szczęśliwego  
Nowego Roku  
Życzy  
Tomek, Magdalena, Sean(17),  
Ania(15) and Roxy



**WSU MONTLY CONFERENCES  
2019**

**Death & Complications Conference  
Every Wednesday from 7-8**



**Didactic Lectures — 8 am  
Kresge Auditorium**

**Wednesday, January 9**

Death & Complications Conference

**“ABSITE REVIEW”**

**John Webber, MD**

WSU Mike & Marian Ilitch Department of Surgery

**Wednesday, January 16**

Death & Complications Conference

**“ABSITE REVIEW”**

**James Tyburski, MD**

WSU Mike & Marian Ilitch Department of Surgery

**Wednesday, January 23**

Death & Complications Conference

**“ABSITE REVIEW”**

**Gamal Mostafa, MD**

WSU Mike & Marian Ilitch Department of Surgery

**Wednesday, January 30**

Death & Complications Conference

**Matthew Mayuiers, MD**

WSU Mike & Marian Ilitch Department of Surgery



Wayne State Surgical Society  
2018 Dues Notice

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Service Description	Amount
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2018 Dues Payment _____ \$200	_____
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My contribution for "An Operation A Year for WSU" _____	_____
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*Charter Life Member _____ \$1000	_____
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Total Paid \_\_\_\_\_

Payment by Credit Card

Include your credit card information below and mail it or fax it to 313-993-7729.

Credit Card Number: \_\_\_\_\_

Type: MasterCard Visa Expiration Date: (MM/YY) \_\_\_\_\_ Code \_\_\_\_\_

Name as it appears on card: \_\_\_\_\_

Signature: \_\_\_\_\_

Billing address of card (if different from above):

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

\*I want to commit to becoming a charter life member with payment of \$1000 per year for the next ten (10) years.

Send check made payable to **Wayne State Surgical Society** to:

Charles Lucas, MD  
Department of Surgery  
Detroit Receiving Hospital, Room 2V  
4201 St. Antoine Street  
Detroit, Michigan 48201

**MARK YOUR CALENDARS**

*Central Surgical Association*

*March 7-9, 2019*

*Innisbruck*

*Palm Harbor, Florida*

*American Surgical Association*

*April 11-13, 2019*

*Fairmont Dallas*

*Dallas, Texas*

*Michigan Chapter ACS*

*May 8-10, 2019*

*Amway Grand Plaza Hotel*

*Grand Rapids, MI*



**Please Update Your Information**

The WSUSOM Department of Surgery wants to stay in touch. Please email Charles Lucas at [clucas@med.wayne.edu](mailto:clucas@med.wayne.edu) to update your contact information.





## Missing Emails

Over the years the WSU Department of Surgery has lost touch with many of its alumni. If you know the email, address, or phone number of the following WSU Department of Surgery Residency Program graduates please email us at [clucas@med.wayne.edu](mailto:clucas@med.wayne.edu) with their information so that we can get them on the distribution list for the WSU Department of Surgery Alumni Monthly Email Report.

Mohammad Ali (1973)

David B. Allen (1992)

Tayful R. Ayalp (1979)

Juan C. Calzetta (1982)

Kuan-Cheng Chen (1976)

Elizabeth Colaiuta (2001)

Fernando I. Colon (1991)

David Davis (1984)

Teoman Demir (1996)

Judy A. Emanuele (1997)

Lawrence J. Goldstein (1993)

David M. Gordon (1993)

Raghuram Gorti (2002)

Karin Haji (1973)

Morteza Hariri (1970)

Abdul A. Hassan (1971)

Rose L. Jumah (2006)

R. Kambhampati (2003)

Aftab Khan (1973)

Samuel D. Lyons (1988)

Dean R. Marson (1997)

Syed A. Mehmood (2007)

Toby Meltzer (1987)

Roberto Mendez (1997)

Mark D. Morasch (1998)

Daniel J. Olson (1993)

David Packer (1998)

Y. Park (1972)

Bhavik G. Patel (2004)

Ami Raafat (1998)

Kevin Radecki (2001)

Sudarshan R. Reddy (1984)

Renato G. Ruggiero (1994)

Parvid Sadjadi (1971)

Samson P. Samuel (1996)

Knavery D. Scaff (2003)

Steven C. Schueller (1974)

Anand G. Shah (2005)

Anil Shetty (2008)

Chanderdeep Singh (2002)

D. Sukumaran (1972)

David G. Tse (1997)

Christopher N. Vashi (2007)

Larry A. Wolk (1984)

Peter Y. Wong (2002)

Shane Yamane (2005)

Chungie Yang (2005)

Hossein A. Yazdy (1970)

Lawrence S. Zachary (1985)



## Wayne State Surgical Society

*The Wayne State Surgical Society (WSSS) was established during the tenure of Dr. Alexander Walt as the Chairman of the Department of Surgery. WSSS was designed to create closer contact between the current faculty and residents with the former resident members in order to create a living family of all of the WSU Department of Surgery. The WSSS also supports department activities. Charter/Life Membership in the WSSS is attained by a donation of \$1,000 per year for ten years or \$10,000 prior to ten years. Annual membership is attained by a donation of \$200 per year. WSSS supports a visiting lecturer each fall and co-sponsors the annual reception of the department at the annual meeting of the American College of Surgeons. Dr. Brian Shapiro (WSU/GS 1988/93) passed the baton of presidency to Dr. Jeffrey Johnson (WSUGS 1984) at the WSSS Gathering during the American College of Surgeons meeting in October 2018. Members of the WSSS are listed on the next page. Dr. Johnson continues in the hope that all former residents will become lifetime members of the WSSS and participate in the annual sponsored lectureship and the annual reunion at the American College of Surgeons meeting.*



*Members of the Wayne State Surgical Society  
Charter Life Members*

Ahn, Dean	Colon, Fernando I.	Grifka Thomas J. (Deceased)	Ledgerwood, Anna M.	Rose, Alexander	Walt, Alexander (Deceased)
Albaran, Renato G	Conway, W. Charles	Gutowski, Tomasz D.	Lim, John J.	Rosenberg, Jerry C.	Weaver, Donald
Allaben, Robert D. (Deceased)	Davidson, Scott B.	Herman, Mark A.	Lucas, Charles E.	Sarin, Susan	Whittle, Thomas J.
Ames, Elliot L.	Dujon, Jay	Hinshaw, Keith A.	Malian, Michael S.	Shapiro, Brian	Williams, Mallory
Amirikia, Kathryn C.	Edelman, David	Holmes, Robert J.	McIntosh, Bruce	Smith, Daniel	Wilson, Robert F.
Auer, George	Francis, Wesley	Huebl, Herbert C.	Missavage, Anne	Smith, Randall W.	Wood, Michael H.
Bassett, Joseph	Flynn, Lisa M.	Johnson, Jeffrey R.	Montenegro, Carlos E.	Stassinopoulos, Jerry	Zahriya, Karim
Baylor, Alfred	Fromm, Stefan H.	Johnson, Pamela D.	Narkiewicz, Lawrence	Sullivan, Daniel M.	
Bouwman, David	Fromm, David G	Kovalik, Simon G.	Nicholas, Jeffrey M.	Sugawa, Choichi	
Cirocco, William C.	Galpin, Peter A.	Lange, William (Deceased)	Novakovic, Rachel	vonBerg, Vollrad J. (Deceased)	
Clink, Douglas	Gayer, Christopher P.	Lau, David	Ramnauth, Subhash	Washington, Bruce C.	
	Gerrick Stanley		Rector, Frederick		

*Members of the Wayne State Surgical Society—2018 Dues*

Ali, Abubaker	Dente, Christopher	Joseph, Anthony L.	Masood, M. Faraz	Schwarz, Karl W.	Thomas, Gregory
Apendre, Cristiano	Dittenbir, Mark	Kaderabek, Douglas	McAlpin, Glenn M.	Sferra, Joseph	Vasquez, Julio
Babel, James B.	Dolman, Heather	Klein, Michael D.	Moehn, Earl G.	Silbergleit, Allen	Ziegler, Daniel
Bambach, Gregory A.	Dulchavsky, Scott A.	Kline, Gary	Mueller, Michael J.	Siegel, Thomas S.	Zoellner, Steven M.
Bloch, Robert S.	Engwall, Sandra S.	Kosir, Mary Ann	Perrone, Erin	Spotts, Josette	
Bradley, Jennifer	Field, Erin	Leibold, Walter	Phillips, Linda G.	Tarras, Samantha	
Bucci, Lorenzo	Gallick, Harold	Lopez, Peter P.	Porter, Donald	Taylor, Michael G.	
Busuito, Michael J.	Horness, Mark D.	Mansour, Roozbeh	Resto, Andy	Tennenberg, Steven	
Dawson, Konrad L.	Jabbar, Furrukh	Marquez, JoFrances Jr.	Sankaran, Surya	Thom, Norman W.	

*Operation-A-Year  
January 1—December 31, 2018*



The WSU department of Surgery has instituted a new group of alumni who are remembering their training by donating the proceeds of one operation a year to the department. Those who join this new effort will be recognized herein as annual contributors. We hope that all of you will remember the department by donating one operation, regardless of difficulty or reimbursement, to the department to help train your replacements. Please send you donation to the Wayne State Surgical Society in care of Dr. Charles E. Lucas at Detroit Receiving Hospital, 4201 St. Antoine Street (Room 2V), Detroit, MI, 48201.

Albaran, Renato G.	Gayer, Christopher P.	Holmes, Robert J.	Ledgerwood, Anna	Nicholas, Jeffrey M.	Sugawa, Choichi
Cirocco, William C.	Gutowski, Tomasz D.	Johnson, Jeffrey R.	Malian, Michael	Novakovic, Rachel L.	Sullivan, Daniel M.
Davidson, Scott	Herman, Mark A.	Johnson, Pamela D.	Missavage, Anne	Shapiro, Brian S.	Whittle, Thomas J.
Dujon, Jay	Hinshaw, Keith A.	Joseph, Anthony L.	Narkiewicz, Lawrence	Smith, Randall A.	Wood, Michael H.

**WSU SOM ENDOWMENT**

The Wayne State University School of Medicine provides an opportunity for alumni to create endowments in support of their institution and also support the WSSS. For example, if Dr. John Smith wished to create the “Dr. John Smith Endowment Fund”, he could donate \$25,000 to the WSU SOM and those funds would be left untouched but, by their present, help with attracting other donations. The interest at the rate of 4% per year (\$1000) could be directed to the WSSS on an annual basis to help the WSSS continue its commitment to improving the education of surgical residents. Anyone who desires to have this type of named endowment established with the interest of that endowment supporting the WSSS should contact Ms. Lori Robitaille at the WSU SOM> She can be reached by email at [lrobitai@med.wayne.edu](mailto:lrobitai@med.wayne.edu).