

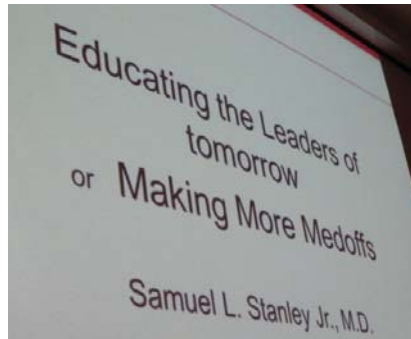
◀ *P. falciparum* sporozoite in a mosquito midgut



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Creating the Legacy of Gerald Medoff, MD



On April 5, 2014, colleagues gathered from across the globe to join the festivities in honor of Dr. Medoff. The morning began with a symposium featuring guest speakers who trained or were faculty in the Infectious Diseases Division. Introductions were given by the Infectious Diseases co-directors, Drs. William Powderly and Daniel Goldberg. Sam Stanley, Jr., MD, President, Stony Brook University, New York began opening talks describing the "Role of Universities in the Next Century".

Mary Horgan, MD, Professor of Medicine, University College Cork, Ireland followed with a discussion on "How do We Educate Doctors for Medicine in the 21st Century".

Victoria Fraser, MD, Chairman, Department of Medicine, Washington University and Gary Weil, MD, FASTMH, Professor of Medicine joined as presenting faculty as well.



Gregory Storch, MD, Michael Gutwein, MD, Gerry Medoff, MD and Donald Graham, MD

That evening colleagues gathered for a reception and dinner, sharing their stories and fond memories of working and training with Dr. Medoff.

A few memoirs from those unable to attend the event are shared below:



Samuel Stanley, Jr., MD, Brad Stoner, MD and Dave Warren, MD, MPH

"After my internal medicine residency at Barnes, I joined the Epidemic Intelligence Service at the CDC. While there, I decided that I wanted to do an infectious diseases fellowship. Soon after I made that decision, Dr. Medoff was in Atlanta for a meeting and took me out to dinner. He suggested that I come back to Washington University so I did. I did a year of

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ID NEWS & NOTES

Center for Neuroimmunology and Neuroinfectious Diseases hosts second annual symposium:

Friends or Foes? Inflammation and Repair of the CNS

Wednesday, September 24, 2014
Eric P. Newmann Education Center
320 S. Euclid Ave
St. Louis, MO

More information coming soon.
To register:

https://wucrtc.az1.qualtrics.com/SE/?SID=SV_57iMxLGLDpmYj1b

Deadline to submit a poster title is September 3, 2014, submit here:

https://wucrtc.az1.qualtrics.com/SE/?SID=SV_d0eli8IW2haPJWd

We are interested in your achievements, clinical and/or research activities, and other personal news since leaving Washington University School of Medicine. Please contact Dr. Gerald Medoff at gmedoff@dom.wustl.edu with any information you would like to share. All division newsletters can be found at: ID Division Newsletters

Above image (P. Falciparum): CDC/Dr. Mae Melvin (PHIL #2704), 1973. Masthead image: Ute Frevert; false color by Margaret Shear; Copyright: © 2005 Frevert et al.

FEATURED COLLEAGUE



Maria Bibiana Walshe-Ristig, M.D.

In 2000, I had the great opportunity to join the ID fellowship program at Washington University School of Medicine (Wash U). I want to take this opportunity to thank you for this great time, especially Dr. Medoff, Dr. William Powderly and my mentors, Dr. Judith Aberg and Dr. Pablo Tebas. I will never forget Dr. Medoff's exceptional teaching lessons which I attended when joining the ID consultation service at Barnes Jewish Hospital. I owe so much to all physicians at the ID Division who trained and guided me.

My training served as the best foundation for applying my knowledge in Sub-Saharan Africa, a place of most need and with the world-leading number of people with HIV/AIDS. I left the ID Division/WASH U in 2005 and joined the PENN Botswana Program until 2008. I started in Gaborone, but most of the time I worked at the leading teaching hospital in the northern part of Botswana, in Francistown. About 60% of inpatients are HIV positive. My duties included patient care, teaching and education of medical students and resident physicians. As part of our ID program to increase medical capacity, I started an outreach program at local hospitals that included a lecture series for local doctors and nurses, and clinical rounds to discuss difficult cases. Many patients experienced a good outcome despite having been diagnosed with HIV at a late stage. A greater challenge was the high rate of HIV/TB co-infection and the increased

continued next column

celebrating with Dr. Medoff



Richard Groger, MD and Kaili Fan MD

clinical infectious diseases consults and 3.5 years in Bill Goldman's lab working on Bordetella pertussis. When I began applying for academic ID jobs, and implemented Dr. Medoff's advice on my CV it caught the attention of Dick Wenzel who was just starting a Clinical Epidemiology Division at the University of Iowa.

I have now been on the faculty of the University of Iowa for > 26 years.

In addition, to preparing me for my profession and helping me find a great job, Dr. Medoff helped me "find my man." When I returned to St. Louis to do my fellowship, I met my husband and we have been married nearly 26 years. Dr. Medoff and his lovely wife attended our wedding, an event he will never forget because it was so hot that day--105 F on June 25th. So I will be forever grateful that Dr. Medoff took me to dinner in Atlanta and invited me to return to Washington University to do ID. It was one of the best things that ever happened to me".

- Loreen Herwaldt, MD, Professor of Epidemiology



Dr. and Mrs. J. William Campbell and Dr. William Powderly, co-director of Infectious Diseases Division at Washington University and the J. William Campbell Professor of Medicine

See Celebrating Dr. Medoff on page 4

Walshe-Ristig, M.D. continued from left column

risk immune reconstitution inflammatory syndrome (IRIS). I have also treated patients with advanced HIV/AIDS for whom only palliative care was an option.

In 2008 I moved to Europe and specialized in palliative medicine and married Ronald Walshe. Ron had been working at the Medical Department, Oncology, (Klinik 1), at the "Universität zu Köln". At present, both of us are living and working in Switzerland. I am now a specialist physician at the centre of palliative care at the Kantonsspital Winterthur.

After my return to Europe I kept in touch with my colleagues in Botswana and continue to collaborate with Dr. Oathokwa Nkomazana, Associate Dean for Education, at the School of Medicine, and Dr. Howard Moffat, who is the former Clinical Director of the first teaching hospital of Botswana in Gaborone. He is now the director of the Holy Cross Hospice in Gaborone and head of the palliative care project, a pilot project between the local hospice and the university, with the goal to combine patient care and training opportunities. At present we are looking for funding possibilities.



Palliative Care Training Session in Gaborone, Botswana

awards & announcements

RECENT AWARDS

PRINCIPAL INVESTIGATOR(S)	AWARD	PROJECT TITLE
Jennie Kwon, DO	Clinical Research Training Center (CRTC) Postdoctoral Mentored Training Program in Clinical Investigation (MTPCI)	Effect of Limiting Sequential <i>Clostridium difficile</i> Testing on Patient Outcomes
Abigail Carlson, MD	Clinical Research Training Center (CRTC) Postdoctoral Mentored Training Program in Clinical Investigation (MTPCI)	Electronic interventions to reduce catheter-associated urinary tract infections
Daniel Goldberg, MD, PhD	R01 National Institutes of Allergy & Infectious Diseases	Identification of the antimalarial target of pepstatin esters
Jeffrey Henderson, MD, PhD	R01 NIH/National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)	Expression and Iron-Independent Functions of Siderophores in Urinary Tract Infections
Diana Nurutdinova, MD and Jay McDonald, MD	The HIV, Hepatitis, and Public Health Pathogens Programs (HHPHP), Office of Public Health (OPH), Veterans Health Administration	Implementation of a Comprehensive HIV Cardiac Risk Modification Program (CRMP) HIV Care Continuum Quality Improvement Project

special recognition

Daniel E. Goldberg, MD, PhD, Professor, Departments of Medicine and Molecular Microbiology was elected a fellow of the American Academy of Microbiology

congratulations...

School of Medicine Nurses Honored with 2014 Excellence in Nursing Awards



Debra DeMarco Shaw, RN

Fifteen Washington University School of Medicine nurses were recognized for the 2014 Excellence in Nursing Awards from St. Louis Magazine. These annual awards honor local nurses who have made a difference in the lives of their patients and colleagues. Four school of medicine nurses received Awards (Diane Athmer, Kathleen O'Neal, Michael Rybak, and Georgia Stobbs-Cucchi) and 11 others were finalists. Congratulations to our infectious disease nurses who were finalists:

Debra DeMarco Shaw, RN a Research Patient Coordinator of the AIDS Clinical Trials Unit (ACTU), Jessica Doiron, DNP, ANP-BC of the Transplant Team, and Michael Klebert, PhD, RN-CS, MSN, ANP, Research Coordinator at the ACTU. An event to recognize finalists and awardees was hosted at the Chase Park Plaza.



Pictured are some of the School of Medicine's honorees in the annual Excellence in Nursing awards. In the back (from left) are Mary Alice McCubbins, Brenda Hall, Michael Klebert, Michael Rybak and Nancy Larson-Vomund. In front (from left) are Bonnie Johnston, Dawn Lintzenich, Jessica Doiron and Diane Athmer.



Jonathan Freeman Scholarship

Jennie Kwon, first year fellow, Sergio Trevino, and Ben Thomas, both second year fellows, are recipients of the **Jonathan Freeman Scholarship** for The Society of Healthcare Epidemiology of America 2014 Conference in Denver, CO. Each received a complimentary registration for the Basic Training in Healthcare Epidemiology Track of the SHEA Spring 2014 Meeting.

From left fellow recipients: Benjamin S. Thomas, Sergio Enrique Trevino Castillo, Jennie H. Kwon, Roger V. Araujo-Castillo, Larry K. Kociolek

Celebrating Dr. Medoff continued



Drs. Gerald and Judith Medoff with Dr. Mitsuho and Mrs. Kitahara

"Please convey my thanks to Dr. Medoff for the wonderfully sceptical, witty and baseball-linked training that he gave us"

- **Sam McConkey, MD, FRCP, FRCPI, AM, DTM&H**, Head of the Department of International Health and Tropical Medicine, Royal College of Surgeons in Ireland

"Dr. Medoff was a great inspiration for me during my fellowship years and a good role model once I started my academic career" - **Michael Cynamon, MD**, Chief, Infectious Diseases, Upstate University Hospital.

"Dr. Medoff was by far the smartest, most compas-

ionate and best mentor I could ever have had. It has been my honor to have trained under him"

- **Hope Cranston-d'Amato, MD**, Medical Director, ICU ST. Luke's Hospital, St. Louis, MO



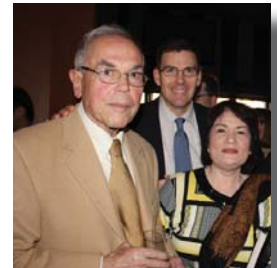
Current faculty Robyn Klein, MD, PhD, Matt Kuhlmann, MD, Hilary Babcock, MD, MPH and Hitoshi Honda, MD, former fellow 2010 now at Teinne Kiejinkai Hospital, Japan



Dr. Pablo Tebas, fellow 1995 and faculty 2003 with David Clifford, MD



Selfie taken by ID fellow, Cynthia Johnson, MD with Carlos Santos, MD, Dr. Gerry Medoff and fellows Drs. Shadie Parsei, Ige George, Allison Nazintsky, and faculty member Gerome Escota, MD



Dr. Medoff, E. Turner Overton, MD, now at the University of Alabama-Birmingham and Nigar Kirmani, MD



Jacaranda Van Rheenen, PhD, Gary Weil, MD, Dan Goldberg, MD, PhD and Jacco Boon, PhD



Toshibumi Taniguchi, MD, Chiba University, Chiba City Japan, former fellow 2011.



Corinna Warren, MD, Michael Kennedy, MD, former fellow practicing at Infectious Diseases Center, PC in Southgate MI, and Dave Warren, MD, former fellow and Associate Professor, Infectious Diseases Division



Dr. and Mrs. Glen Mayhall, University of Texas and former fellow 1974



E.P Barette, MD, Associate Professor of Medicine, Infectious Diseases Division with his wife, Keiko Hirose, MD

Celebrating Dr. Medoff

Lyrics by Mary Gould sang to the tune of
"Take Me Out to the Ball Game"

*Celebrate Dr. Medoff,
Teacher, mentor and friend
Guru of bugs, drugs and so much more
Batting averages, Cardinal lore, and he's
Always listening to ball games
Even when he's at Powell Hall.
So it's one-two-three cheers best wishes
And let's play ball!*



*For years he's played like a champion
Paved the way for the team
Man of honor and seeker of truth
He's in the big leagues with Stan and Babe Ruth
For his students, patients and colleagues
He always hits a home run.
So it's one-two-three cheers we love you
Team player Number One!*



new center aims to use immune system to fight cancer, other diseases

A new center at Washington University School of Medicine in St. Louis will help scientists use the power of the immune system to fight infections and cancers.

The Center for Human Immunology and Immunotherapy Programs (CHiIPs) is part of BioMed21, the university's initiative to accelerate basic science discoveries into improved diagnosis and treatment for patients. The center will be housed in the BJC Institute of Health.

Immunotherapy uses the strength and reach of the immune system to fight infections and cancer. Scientists also are developing ways to restrain the immune system when it mistakenly attacks healthy tissue, leading to autoimmune conditions such as multiple sclerosis.

"Several very important basic discoveries in these areas have been made by Washington University faculty, but it has been challenging to move those discoveries into the clinic," said CHiIPs director Robert D. Schreiber, PhD, the Alumni Professor of Pathology and Immunology at the School of Medicine.

Recent insight from pioneering researchers at the School of Medicine include proof that the immune system can recognize cancers and regulate their growth. The scientists also have identified ways to manipulate the immune system's ability to destroy cancer cells. In other work, the school has been a leader in developing new vaccines for emergent diseases such as West Nile virus.

Schreiber and his colleagues at the center are acquiring new technologies and recruiting new faculty to accelerate bench-to-bedside medicine with support from Chancellor Mark S. Wrighton; Larry J. Shapiro, MD, executive vice chancellor for medical affairs and dean of the School of Medicine; and the heads of the Departments of Medicine, Pathology and Immunology, Radiation Oncology and Surgery. For example, the center will include a laboratory with technology that monitors changes in the immune system during clinical trials of new immunotherapies. "This laboratory will provide tests that are not ordinarily offered by our existing clinical facilities," Schreiber said.

The centerpiece of the new laboratory is a state-of-the-art instrument known as a time-of-flight mass cytometer that simultaneously can detect more than 50 different structures either on the cell surface or inside the cell. These structures provide important clues to the identity of the cells of interest, their state of activation and the functions they perform. Until now, scientists have been limited to studying no more than a handful of these markers at a time.

Funding for the new technology is provided in part by Alvin J. Siteman, chairman of Site Oil Co., whose \$35 million gift in 1999 established the Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine.

The heads of medicine, surgery, radiation oncology, and pathology and immunology have openings reserved for new faculty who are interested in studying the roles of the immune system in inducing and fighting diseases.

Other leaders of the center are Wayne Yokoyama, MD, the Sam and Audrey Loew Levin Professor of Medicine, associate director for immune dysfunction; and *Michael Diamond, MD, PhD, professor of medicine, associate director for infectious diseases and vaccines*. Yet to be filled is the position of associate director for tumor immunology and cancer immunotherapy. Stephen Oh, MD, PhD, assistant professor of medicine, is the center's head of mass cytometry.

"From basic immunologists to the translational immunology community, from department heads to division directors and from the dean to the chancellor, CHiIPs has been met with an enormous groundswell of support," Schreiber said. "With that kind of enthusiasm and the research power we have here at the university, we feel there is great potential for making important advances in our ability use the immune system therapeutically to fight disease and promote health."



Pictured are Olga Malkova, PhD, Stephen Oh, MD, PhD, Michael Diamond, MD, PhD, Robert Schreiber, PhD, center director, and Wayne Yokoyama, MD.

Parts of this article reprinted with permission, Michael Purdy, "Washington University Record", April 21, 2014.

next steps for 2014 graduates



Faisal Alasmari, M.D.

Next Steps: I will be moving back to Saudi Arabia working in the capital city of Riyadh in a hospital called King Fahad Medical City. This hospital is considered a referral center for the area and is the largest center in the middle east. I will be working as a general ID attending expecting a busy service.

Highlights of fellowship: Over the past two years I have seen a variety of cases including rare complex cases. I was impressed with the academic activities and

research opportunities.



Shadi Parsaei, DO

Next Steps: Shadi has joined the Infectious Diseases Division as an Instructor in Medicine, Washington University School of Medicine.



Courtney Chrisler, M.D.

Next Steps: Courtney has joined the Infectious Diseases Division as an Instructor in Medicine, Washington University School of Medicine.



Martin Prager, M.D.

Next Steps: I will be joining Billings Clinic in Montana as an Infectious Diseases Specialist

Highlights of fellowship: My fellowship was an unforgettable experience. I'm extremely satisfied with the quality of the infectious diseases training as well as with the group of people supporting the fellowship program. From the ancillary personnel, co-fellows, up to the fellow-

ship directors, all have been available and supportive. Education and research are always a priority. I'm proud of being part of the Washington University Infectious Diseases family.



George Kyei, M.D.

Next Steps: I will join the faculty in the ID division in the Investigator Track. In the next few years, I will be starting my lab working on HIV pathogenesis with emphasis on HIV latency and viral elimination. In addition I will be in the ID clinic and do some in-patient attending as well.

Highlights of fellowship: I was part of the Physician Scientist Training Program which comprises residency and fellowship training along with mentored

research support. I really enjoyed my training here with superb training and very helpful attendings, colleagues and mentors.



Sergio Trevino, M.D.

Next steps: I will be continuing my training with a Critical Care Medicine fellowship at Barnes Jewish Hospital / Washington University School of Medicine.

Highlights of fellowship: The best highlight of my ID fellowship, was the people I worked with. Learning from my co-fellows and faculty was a great privilege. We developed friendships and working relationships that I hope will last a long time. I feel fortunate to be part of the Infectious Diseases family at Washington University School of Medicine.

supporting the ID Division

The Infectious Diseases Fund

Dr. Gerald Medoff has been among the most influential leaders in the School of Medicine in the past half century, and the contributions of Dr. Medoff to the field of medicine are clearly reflected in the quality of the School and in the extraordinary individuals he has mentored. We believe that you share our sense of pride in what we have been able to build, much of which is due to the leadership of Dr. Medoff. This year, unrestricted gifts directed to the Division will be used to honor Dr. Medoff with a lecture in his honor. Please consider a gift toward this effort.

Gerald Medoff, M.D.
Emeritus Professor of Medicine



Thank You to Our 2014 Supporters

Infectious Diseases Division

Jade Le, M.D.
E. Turner Overton, M.D.
Mrs. Lori B. Watkins

Thomas H. Steinberg Memorial Trainee Award

E. Turner Overton, M.D.



In Memoriam

The Infectious Diseases Division is establishing a student prize in Tom Steinberg's honor that will be awarded annually. Contributions can be made to this Memorial Award by donating to the

Thomas H. Steinberg Memorial Trainee Award

Your Donations are Greatly Appreciated!

To support the research, education and activities of the Infectious Diseases Division, please contact or send your donations to: Dan Korte, Division Administrator, Infectious Diseases Division
Campus Box 8051, 660 S. Euclid Ave., St. Louis MO 63110
phone: 314-454-8354 email: dkorte@dom.wustl.edu

Center for Neuroimmunology and Neuroinfectious Diseases hosts second annual symposium: "Friends or Foes? Inflammation and Repair of the CNS"

Wednesday, September 24, 2014 Eric P. Newmann Education Center 320 S. Euclid Ave St. Louis, MO

(see cover page for links)

FACULTY:

Thomas Lane, PhD, Professor, Dept. of Pathology, University Of Utah School of Medicine
Andrea Tenner, PhD, Professor, Dept. of Molecular Biology and Biochem, University of California, Irvine, CA
Diego Cadavid, MD, Senior Director, Biogen Idec
Yong Wang, PhD, Instructor, Dept. of Radiology, Washington University School of Medicine
Laura Piccio, MD, PhD, Assistant Professor, Dept. of Neurology, Washington University School of Medicine, St. Louis MO
Daniel Hawiger, PhD, Assistant Professor, Dept of Molecular Microbiology & Immunology, Saint Louis University School of Medicine
Michael Shoykhet, MD, PhD, Instructor, Dept. of Pediatrics, Washington University School of Medicine, St. Louis, MO