

◀ *P. falciparum* sporozoite in a mosquito midgut



Infectious Diseases

Washington University in St. Louis
SCHOOL OF MEDICINE

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ID NEWS & NOTES

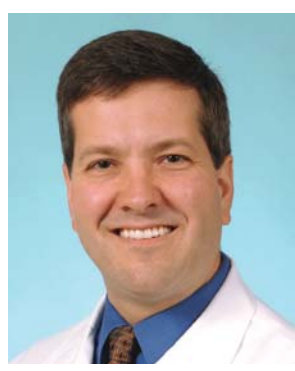
**Washington University School of Medicine
Infectious Diseases Division
Faculty and Fellows Reunion**
ID Week in San Francisco
Friday, October 4, 2013
Pacific Suite A
San Francisco Marriott Marquis
6:30 pm to 9:00pm
Please RSVP to Alicia Cicerelli at
acicerel@wustl.edu by September 27, 2013
see page 5

**Infectious Diseases Society of St. Louis
Dinner Meeting**
Tuesday, October 29, 2013
Engineer's Club of St. Louis
6:00 p.m. Hors d'oeuvres Reception
7:00 p.m. Dinner/Program
see page 6

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

Baths with Antiseptic Wipes Reduce ICU Infections

David Warren, M.D., MPH



David Warren, M.D., MPH
Associate Professor of Medicine

Patients in intensive care units who are bathed daily with antiseptic wipes instead of ordinary soap and water have significantly lower rates of bloodstream infections and are less likely to acquire antibiotic-resistant bacteria on the skin, a new study shows.

The findings point to a relatively simple way to prevent infections among some of the sickest patients in the hospital. Patients in the ICU have a high risk of infections because potentially harmful bacteria on the skin can enter tubes that deliver medicine into the body or that help patients breathe. Researchers at Washington University School of Medicine in St. Louis and other institutions evaluated the use of antiseptic wipes on nearly 7,000 patients in intensive care or bone marrow transplantation units in six hospitals, including Barnes-Jewish Hospital. Their findings

were published Feb. 7 in the *New England Journal of Medicine*.

"It's been standard practice to bathe ICU patients daily," says David Warren, MD, medical director for infection prevention at the School of Medicine and Barnes-Jewish. "Switching from soap and water to wipes soaked in the antiseptic chlorhexidine is easy to do and is cost effective, especially given the significant health benefit to patients."

For the study, ICUs or bone marrow transplant units were randomly selected to wash all patients with the chlorhexidine wipes or soap and water for six months. Each unit then switched to the other method of bathing patients for the next six months.

Patients were monitored for bloodstream infections and the presence of two types of antibiotic-resistant bacteria on the skin, methicillin-resistant *Staphylococcus aureus* (MRSA) and vancomycin-resistant enterococcus (VRE). Both are concerning because they cause infections that often can't be easily treated with standard antibiotics.

Among patients treated with soap and water, there were 165 new cases of antibiotic-resistant bacteria on the skin, compared to 127 cases for patients washed with chlorhexidine – a 23 percent reduction. Bathing with the chlorhexidine wipes also significantly reduced the rate of bloodstream infections by 28 percent, a benefit that was most pronounced among patients who stayed in the ICU for more than seven days.

Chlorhexidine is effective against a broad range of organisms and has a residual effect even after bathing, keeping bacteria at bay. This also helps to reduce the transmission of bacteria from patient to patient.

Based on the study's preliminary results and other related research, nurses at Barnes-Jewish

continued page 2

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

FEATURED COLLEAGUE



Geoffrey A. Weinberg, M.D.
Professor of Pediatrics

I served for 4 years as a Washington University-St Louis Children's Hospital Pediatric Infectious Diseases Fellow from 1984 to 1988, after a 2 year pediatrics residency at SLCH from 1982-1984. I was the "SLCH test guinea pig" for the then-new "combined residency-fellowship alternative pathway" for Pediatrics & Pediatrics ID board certification. After another happy year in St Louis as an Instructor in Pediatrics 1988-89, my family and I moved to my medical school alma mater, Indiana University School of Medicine, where I was an Assistant Professor of Pediatrics from 1989-1994. In 1995, we moved to the University of Rochester School of Medicine & Dentistry, where I continue to this day—as Professor of Pediatrics and Director of the Pediatric HIV Program.

I enjoyed my years at Washington University very much, and was fortunate to have interacted with so many past and future "stars". My professors included some who may not be as familiar to current trainees, such as Drs. Dan Granoff, Robert Munson Jr., Penelope Shackelford, Bill Goldman, Donald Krogstad, & the late Drs. Neil Middlekamp & George Kobayashi; as well as some who will be more familiar, such as Drs. Greg Storch, Gerry Medoff, & Gary Weil. Among others, my Medicine ID Unit & Micro/Immunology co-fellows during those years included William Powderly, Vicky Fraser, Mary Beth Graham, & Loreen Herwaldt.

My training at Washington University prepared me very well for each phase of my Peds Infectious

continued next column

Baths with Antiseptic Wipes *continued*

Hospital began bathing ICU patients with chlorhexidine in 2007. Rather than using the wipes, the hospital uses a chlorhexidine body wash, which is just as effective, Warren says.

Climo MW, Yokoe DS, Warren DK, Perl TM, Bolon M, Herwaldt LA, Weinstein RA, Sepkowitz KA, Jernigan JA, Sanogo K, Wong ES. Effect of daily chlorhexidine bathing on hospital-acquired infection. *New England Journal of Medicine*. Feb. 7, 2013.

The research is supported by the Centers for Disease Control and Prevention (5U01C1000395-02) and Sage Products, the maker of the chlorhexidine wipes.

Modified from the original publication in the Washington University Record.

Geoffrey A. Weinberg, M.D. continued

Diseases academic medicine career. At Indiana, I set up a basic research lab studying *Pneumocystis carinii*, as well as continuing to publish some of the extensive work on *Haemophilus influenzae* type b vaccinology that came from the powerhouse Granoff/Munson labs at SLCH. In Rochester, I have continued as a clinically-focused researcher, leading our Pediatric AIDS Clinical Trials Group/International Maternal Pediatric Adolescent AIDS Clinical Trials Unit, as well as CDC-funded studies of the epidemiology and molecular etiology of pediatric respiratory and diarrheal illness. I have served for a number of years on both NY State and Federal Guidelines panels for the diagnosis and care of pediatric HIV infection, and serve [proudly, alongside Greg Storch] as an Associate Editor for the new *Journal of the Pediatric Infectious Diseases Society*. I retain special interests in pediatric clinical immunology, travel/tropical medicine, and vaccine-preventable diseases.

My wife Susan [a Clayton High School, Indiana University, and Washington University alumna] and I have 3 children—Sarah and Miriam, born in the old Jewish Hospital of St. Louis Nursery [way before BJC!], and Samuel, born in Indianapolis. As if I wasn't feeling old enough recently [seeing Vicky Fraser advance to Chair of Medicine and William Powderly have a senior position back in Ireland, only to return and rise again at WUMS!], Sarah was just married this summer, and has her own career in Baltimore as a pediatric occupational therapist, while Miriam is working in her dream field of editing/publishing in NYC. Sam is living with us, having just graduated from the special school district and hoping to eventually live with friends in a supported setting, whenever the budget crisis allows the much-needed increase in services for young people with special needs. Susan continues to work in early childhood special education.

Any or all who wish to visit the beautiful Finger Lakes region of NY may look us up!

farewell...

Best wishes to Dr. Bernard Camins who accepted the position of Associate Professor of Medicine at University of Alabama-Birmingham School of Medicine, Division of Infectious Diseases.

Dr. Camin's main responsibility will be in Infection Prevention as the Associate Infection Control Officer at the UAB Hospital.



Bernard C. Camins, M.D., MSCR
Assistant Professor of Medicine

awards & announcements

RECENT AWARDS

PRINCIPAL INVESTIGATOR	AWARD	PROJECT TITLE
Jeffrey P. Henderson, M.D., Ph.D.	Longer Life Foundation Research Award	Discovery of urinary tract infection biomarkers to predict longevity in the elderly
Erik R. Dubberke, M.D., MSPH	3U54CK00162-03S1 (PI: Dubberke) - CDC: 8/15/2013- 8/14/2014	3U54CK00162-03S1 (PI: Dubberke) - CDC: 8/15/2013- 8/14/2014 Fecal Microbiome Restoration after Antimicrobials with Autologous Fecal Microbiota Therapy

special
recognition

Hilary Babcock, M.D., MPH was recently promoted to Associate Professor of Medicine

Thank You to Our Supporters

Infectious Diseases Division Fund

Dr. Bruce D. Fisher

Dr. Dora Yukwai Ho

Thomas H. Steinberg Memorial Trainee Award

Dr. Paul Olivo

Dr. Paul W. Spearman

Dr. Michael L. Tapper

To support the research, education and activities of the Infectious Diseases Division, please contact
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

In Memoriam

The Infectious Diseases Division has established the Thomas H. Steinberg Memorial Trainee Award. This award has been established to recognize, in Tom Steinberg's honor, an outstanding Washington University internal medicine resident for his or her accomplishments in the field of infectious diseases.

Contributions can be made to this Memorial Award by donating to the

Thomas H. Steinberg Memorial Trainee Award

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Campus Box 8051, 660 S. Euclid Ave., St. Louis MO 63110
phone: 314-454-8354 email: dkorte@dom.wustl.edu



Thomas H. Steinberg, M.D.

Congratulations . . .

Stephen Liang, M.D. and his wife, Philana, welcome a baby girl, Naomi Liang, on July 29, 2013, weighing in at 7lbs and 1 oz. Naomi joins brothers Ethan and Daniel and sister Hannah.

welcome to our 2013 fellows



Abigail Carlson, M.D.

Abigail is originally from Rochester, Minnesota. She completed medical school at Johns Hopkins University in Baltimore, MD, and residency at McGill University in Montreal, Canada.

Why did you choose an ID fellowship:

I'm planning on a career in hospital epidemiology, and have a particular interest in influenza/respiratory viruses, surveillance, transnational infection control, and infection control in resource-challenged settings. I'm

looking forward to three years of ID and being back within driving distance of our lake cabin!



Ige George, M.D.

Ige graduated from Christian Medical College, Vellore, in South India. His interest in infectious diseases began during his residency in Internal Medicine and subsequent years spent at the Christian Medical College, Vellore. He then enrolled for a Masters in Clinical Research at the University of Minnesota in 2009. He completed his residency from Albert Einstein Medical Center in Philadelphia and was awarded the outstanding graduate resident award.

Why did you choose an ID fellowship: The academic environment and constant exposure to patients with a range of infectious diseases while in India made me realize the importance of and need for specific training in ID. My interests are in the dynamic field of transplant ID and global health and I hope to complete my Masters in Clinical Research during the fellowship.



Jennie Kwon, DO

Jennie was born in Evanston, IL and completed medical school at Midwestern University in 2009. Jennie then went to residency at the University of Chicago (NorthShore), at the very same hospital where she was born. During residency, Jennie received the Intern of the Year, Resident of the Year, University of Chicago Medical Student Teaching Excellence Award and the Nursing Housestaff Communication Award. Jennie was also the 1st place winner of the American College of Physicians (ACP) Northern Illinois Research competition in 2012 and received a travel award to present at the national ACP conference. Her research topic was in healthcare associated urinary tract infections. Jennie then went on to complete a year as Chief Resident in 2013.

Why did you choose an ID fellowship: I have been looking forward to becoming an ID physician since my second year of medical school after my first microbiology lecture. I am fascinated by the depth and range of infectious diseases and the challenging cases and questions that we encounter. My research interest is in the promotion of quality care and patient safety through the prevention and control of infections, with a special interest in medical informatics.



Allison Nazintsky, M.D.

Allison was raised in Ohio and went to medical school at Northeast Ohio Medical University (formerly known as Northeastern Ohio Universities College of Medicine) and received a "Pasteur Award" for her interest in infectious disease and microbiology. She did her residency at Carolina's Medical Center in Charlotte, NC. She was involved in the Infection Prevention Committee and was involved with several projects on prevention and treatment of KPC organisms. She also did research with

HSV and viral culture.

Why did you choose an ID fellowship: I knew in medical school that I wanted to pursue a career in infectious disease. Many personal experiences have drawn me to this specialty. There are many opportunities for research and patient care at Barnes-Jewish Hospital and I look forward to my career here.



Andrej Spec, M.D.

Andrej is originally from Sarajevo, Bosnia. He immigrated to America as a refugee in 1994, and settled in Chicago. He completed medical school at the University of Illinois at Chicago in 2010, and his residency at Rush University Medical Center in 2013. While at Rush he was a member of a team that won the ACP Doctors Dilemma competition at the national conference, and was the captain

of a team that won the Illinois competition. He also received Rush's Resident Teacher of the Year award. His pre-medical school research focus was on developmental neurobiology, and through medical school and residency he focused on epidemiologic research. It was late in his residency that he discovered his passion for fungus.

Why did you choose an ID fellowship: I chose infectious diseases because it is the only field that has significantly altered human life span, and because of my love of complex puzzles. My particular research interest is in fungal infections.

welcome...Rupa Patel, M.D., MPH



Rupa Patel, M.D., MPH

Dr. Patel joins the ID faculty as an Instructor of Medicine. Dr. Patel completed her internal medicine residency at the University of Texas Southwestern Medical Center, in Dallas. She completed her Infectious Diseases fellowship training from Mount Sinai Medical Center in New York.

Dr. Patel received her Masters in Public Health from Johns Hopkins University. During her fellowship, she founded a global health academic site for medical trainees in Bangladesh where she works on HIV prevention among migrant worker communities. Dr. Patel also worked in Gujarat, India on HIV risk assessments among men who have sex with men (MSM). Her current interests lie in HIV prevention strategies among high-risk groups.



**Don't
forget!**

**Washington University
School of Medicine
Infectious Diseases Division**

Faculty and Fellows Reunion

Date: Friday, October 4, 2013

Reception: 6:30 - 9:00 pm

Location: San Francisco Marriott Marquis

Room: Pacific A, 4th Floor

ID Society of St. Louis Event

Infectious Diseases Society of St. Louis

invites you to a CME accredited dinner meeting

Methicillin-Resistant *Staphylococcus aureus* (MRSA): Approaches to Prevention and Diagnosis

presented by

Carey-Ann Burnham, PhD

Assistant Professor of Pathology & Immunology and Pediatrics
Washington University School of Medicine
Medical Director of Clinical Microbiology
Barnes-Jewish Hospital

Stephanie A. Fritz, M.D., MSCI

Assistant Professor of Pediatrics
Pediatric Infectious Diseases
Washington University School of Medicine

David K. Warren, M.D., MPH

Associate Professor of Internal Medicine
Division of Infectious Diseases
Washington University School of Medicine

Thursday, October 29, 2013

Engineer's Club of St. Louis

4359 Lindell Blvd.

St. Louis, MO 63108

314-533-9333

6:00 p.m. Hors d' oeuvres Reception (Meet & Greet)

7:00 p.m. Dinner/Program Commences

**Register online at www.wustl.edu/etransact and scroll to
ID Society Membership**

- **FREE** for current 2013 ID Society of St. Louis members including new online memberships (\$50 per calendar year)
- **FREE** for Fellows in Training
- **\$65** for non-members

If you received 2013 membership confirmation in September, you may register by emailing or calling your menu choice directly to Stephanie at smontgom@dom.wustl.edu or 314-454-8276