Medical Students Organize Infectious Diseases Interest Group

The Medical Student Infectious Diseases Interest Group (IDIG) was started last year under the direction of Dr. Steven Lawrence, associate professor of medicine, and a current 3rd year Medical Science Training Program, MD, PhD (MSTP) student, Steven Grigsby. The goal was to increase interest in ID among the medical student community.

The target audience for this interest group is 1st and 2nd year medical students because they are less likely to be tied to a certain specialty so early on in their careers. By holding lunch talks and providing shadow opportunities, we hope to increase awareness of the ID specialty so that ultimately, more students will want to pursue a career in ID.

Last year, we had 66 students on our LISTSERV with 8 sign ups for shadowing (inpatient and outpatient). This year, Natasha Kafai and I (Rita Chen), both second year medical students in the MSTP, provide leadership to the group. We want to focus our efforts on captivating the M1 class early in the school year, before classes and other subjects became more pressing.

Dr. Steven Lawrence gave the first lunch talk on August 23, 2017. More than 100 attended this broad, exciting overview of ID. The talk generated 45 sign ups for shadowing and added additional students to the LISTSERV of now 80 students. Our second lunch talk is planned for October 10, 2017 with Dr. Audrey Odom John, MD, PhD presenting on the global burden of infectious diseases. In collaboration with the Midwest Universities for Global Health conference, we will also host a lunch talk for World AIDS Day.

Rita Chen, BS
Natasha Kafai, BS
In addition, we are working with the Internal Medicine Interest (IM) Group to incorporate ID faculty into their IM specialty “speed dating” event and specialty night.

The IM specialty “speed dating” event involves an evening for about 30 students in attendance who will rotate through “stations” representing specialties that focus on specific areas of internal medicine. This rapid networking will offer opportunities to ask physicians questions about career, personal life balance, etc., in smaller groups,” explains Matt Luie, MD Candidate, Class of 2020, and student leader for the IM Interest Group.

“There is an allowance of 10-15 minutes of conversation before rotating to a different specialty so everyone has a chance to meet all the faculty. We have 9 subspecialties that will be represented thus far.”

The specialty night will be similar but allows hands-on experiences of various subspecialties in the field (i.e. thoracentesis for Pulmonary). Like the specialty night, all students will be given the chance to rotate through all the stations.

“Our hope is to have a continued presence throughout the year to remind students how exciting ID is!”

Cynamon continued

1990’s. The evolution of HIV infection from a death sentence to a manageable chronic disease has been quite remarkable. It is wonderful to be able to spend most of my clinic time discussing weight loss and smoking cessation rather than OI’s and out of control viral loads. In the past few years I have also been involved in treating chronic HCV infected patients.

I look back fondly on my fellowship experience for the wonderful variety of patients we consulted on and the excellent interactions with the ID attendings particularly Russ Little, Harvey Liebhaber, and Gerald Medoff. I have been fortunate to have the opportunity to care for many wonderful patients and to collaborate with multiple researchers from various institutions and companies around the world.
## Recent Awards

<table>
<thead>
<tr>
<th>Principal Investigator(s)</th>
<th>Award</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jason P. Burnham, MD and Jennie H. Kwon, DO, MSCI</td>
<td>Foundation for Barnes-Jewish Hospital's Project Award</td>
<td>A quality improvement project to improve the care of patients with multidrug resistant organisms at Barnes-Jewish Hospital</td>
</tr>
<tr>
<td>Megan T. Baldridge, MD, PhD</td>
<td>Young Investigator Grant for Probiotics</td>
<td>Nutritional modulation of the commensal microbiome and intestinal antiviral immunity</td>
</tr>
<tr>
<td>Megan T. Baldridge, MD, PhD</td>
<td>Kenneth Rainin Foundation Innovator Award</td>
<td>Single-cell genomics resolution of microbe-virus interactions in IBD</td>
</tr>
<tr>
<td>Michael S. Diamond, MD, PhD</td>
<td>National Institutes of Health/ National Institute of Allergy and Infectious Diseases (NIH/ NIAID) R56</td>
<td>Causes and implications of differential AXL (cell surface receptor) use by Zika virus and west Nile virus</td>
</tr>
<tr>
<td>Michael S. Diamond, MD, PhD</td>
<td>NIH/ NIAID R01</td>
<td>Interferon (IFN) Dependent Control of Acute and Chronic Chikungunya Virus Induced Disease</td>
</tr>
<tr>
<td>Erik R. Dubberke, MD, MSPH</td>
<td>Centers for Disease Control (CDC) Broad Agency Announcement</td>
<td>Double blinded, randomized controlled Trial of Oral vancomycin versus placebo in hospitalized patients with diarrhea and stool to XIN NEGative but nucleic acid amplification test positive for toxigenic Clostridium difficile (TOX NEG trial)</td>
</tr>
<tr>
<td>Jennie H. Kwon, DO, MSCI</td>
<td>Longer Life Foundation</td>
<td>The Trajectory of the Fecal Microbiome in Patients with multidrug-resistant organisms (MDRO) urinary tract infections (UTI)</td>
</tr>
<tr>
<td>Rupa Patel, MD, MPH, DTM&amp;H site principal investigator with Emory Univ. (principal), Brown Univ. &amp; Univ. of Mississippi</td>
<td>NIH/ National Institute of Mental Health (NIMH) R01</td>
<td>Making it last: A randomized, controlled trial of a home care system to promote persistence in PrEP care (PrEP@Home)</td>
</tr>
<tr>
<td>Rupa Patel, MD, MPH, DTM&amp;H - site principal investigator with Brown Univ. &amp; Univ. of Mississippi</td>
<td>NIH/ National Institute of Mental Health (NIMH) R01</td>
<td>Characterizing the HIV Pre-Exposure Prophylaxis Care Continuum for African American and Hispanic/Latino Men Who Have Sex with Men</td>
</tr>
</tbody>
</table>

---

### Best Doctors in America 2017

Congratulations to the Washington University Infectious Diseases Physicians that have been placed on the Best Doctors List in America for 2017, voted by doctors in response to who they would choose for themselves or a loved one in need.

- Hilary M. Babcock, MD, MPH
- Thomas C. Bailey, MD
- Ernie-Paul Barrette, MD
- Erik Dubberke, MD, MSPH
- Nigar Kirmani, MD
- Gregory A. Storch, MD
- David K. Warren, MD
- Keith F. Woeltje, MD
welcome Liang Shan to the ID division

Liang Shan, PhD, Assistant Professor of Medicine

Liang was born and grew up in China, where he earned his BS degree in Biotechnology at Nankai University (2003) and his MS degree in Microbiology at Fudan University (2007) where he discovered his passion for virology research. In August 2007, Liang moved to the U.S. for doctoral training in the Department of Pharmacology and Molecular Sciences at the Johns Hopkins University. During his doctoral training, he focused on HIV-1 latent infection in primary CD4+ T cells and virus-specific CTL responses. Using an in vitro model, he demonstrated that reactivating latent HIV-1 in primary CD4+ T cells alone was not sufficient to purge the viral reservoir. Boosting HIV-1-specific CTL responses could facilitate elimination of the latent virus.

After graduation, Liang moved to Yale University for postdoctoral training where he began to work on novel humanized mouse models for viral infection. His passion and continued commitment to HIV research led him to develop a novel humanized mouse model for HIV-1 infection. This animal model enables us to understand viral infection not only in CD4+ T cells, but also in monocytes and various subsets of tissue resident macrophages. More importantly, this model can reconstitute HIV patient innate and adaptive immune system for the study of patient-specific immune responses. After joining the faculty in the Infectious Diseases Division, Liang will continue to use humanized mouse models to study human immune response to HIV-1 infection and develop vaccination strategies to target HIV-1 latent reservoirs.

Before coming to St. Louis, Liang has lived in 5 different cities for the past 30 years, all of which are coastal cities. He is ready to explore and enjoy the new page in his life in the Midwest.

ID Division Hosts ID Fellows from Bangkok

We recently had four ID fellows visit from the Faculty of Medicine, Chulalongkorn University in Bangkok, Thailand. They spent a month in St. Louis, spending two weeks observing infection prevention and healthcare epidemiology activities and two weeks rounding with the general and transplant ID inpatient services.

As part of the healthcare epidemiology activities they followed infection prevention specialists to learn about infection prevention surveillance, operating room practices, high level disinfection and sterilization of medical instruments, issues related to construction, and interventions to prevent healthcare-associated infections.

They also met with WUSM ID faculty to learn about antibiotic stewardship, occupational health issues among healthcare workers, and perspectives on directing a hospital infection prevention program.
Klein Named Vice Provost and Associate Dean for Graduate Education

Robyn S. Klein, MD, PhD, a physician-scientist recognized internationally for her work on the brain’s immune system, has been named vice provost and associate dean for graduate education for the Division of Biology & Biomedical Sciences (DBBS) at Washington University in St. Louis. She will begin her new post Jan. 1.

Klein, who joined the faculty in 2003, is the founding director of the university’s Center for Neuroimmunology and Neuroinfectious Diseases. Much of her work has focused on how the barrier between the brain and the rest of the body changes when the brain is infected or inflamed and, more recently, on how infections alter cognitive function. Her past studies have shed light on why women are much more likely than men to develop multiple sclerosis, and how viral infections such as West Nile and Zika damage the brain.

Makedonka Mitreva, joins ATMH SIXTY-SIXTH Conference as Session Co-Chair

The American Society of Tropical Medicine & Hygiene (ATMH) SIXTY-SIXTH Annual Meeting Session Planning Committee elected Makedonka Mitreva, PhD, associate professor of medicine, to co-chair ASTMH Conference’s session on “Intestinal and Tissue Helminths: Soil-Transmitted Helminths – Biology and Immunology”.

The ASTMH 66th Annual Meeting 2017 is November 5-9, 2017 in Baltimore, MD.

Dave Warren receives SHEA Barry Farr Award

The Society for Healthcare Epidemiology of America (SHEA) Highlights at IDWeek 2017 included Award Presentations on October 6, 2017. David K. Warren, MD, professor of medicine, received the SHEA Barry Farr Award for the best article in Infection Control and Hospital Epidemiology in 2016- Prevalence of qacA/B Genes and Mupirocin Resistance Among Methicillin-Resistant Staphylococcus aureus (MRSA) Isolates in the Setting of Chlorhexidine Bathing Without Mupirocin.

“We aimed to determine the frequency of qacA/B chlorhexidine tolerance genes and high-level mupirocin resistance among MRSA isolates before and after the introduction of a chlorhexidine (CHG) daily bathing intervention in a surgical intensive care unit (SICU)” said Warren. The article was published May 2016; 37(5):590-7. see abstract
Megan Baldridge, MD, PhD, receives 2017 Young Investigator Grant from Global Probiotics Council

The Global Probiotics Council (GPC), a committee formed by Danone Nutricia Research and YAKULT HONSHA CO., LTD., recently announced the three recipients of the tenth annual Young Investigator Grant for Probiotics Research (YIGPRO). The program was created to contribute to the advancement of probiotics and gastrointestinal microbiota research in the United States. This year’s grant focus is to improve understanding of the mechanisms by which dietary and nutritional approaches impact the gut microbiota to improve physiological function and health status.

“A key goal of the YIGPRO grant program is to provide young investigators with funds to help support promising new careers in the quickly evolving field of microbiota and probiotics research,” said Dr. Gerard Denariaz, Strategic Partnerships and Prospective Director at Danone Nutricia Research.

These grants mark the tenth year of the grant program. “We are pleased to see the awardees approach this exciting field of science in such an innovative and collaborative manner,” said Fumiyasu Ishikawa, Director of Yakult Central Institute. “They are making an outstanding contribution to the field.”

The 2017 winners will explore how a healthy gut might act to reduce infection and improve immune status in the malnourished, and impact metabolic function by interacting with dietary fibers. The three winners are: Luther Bartelt, MD, assistant professor of medicine in the Division of Infectious Diseases at the University of North Carolina at Chapel Hill., Amanda Ramer-Tait, PhD, Assistant Professor in the Department of Food Science and Technology at the University of Nebraska-Lincoln, Megan Baldridge, MD, PhD, assistant professor of medicine in the Division of Infectious Diseases and the Center for Genome Sciences and Systems Biology at Washington University School of Medicine in St. Louis, Missouri.

Dr. Baldridge’s project is titled “Nutritional modulation of the commensal microbiome and intestinal antiviral immunity.” Using a mouse model, she will focus on determining how protein malnutrition alters the bacterial communities in the gut, leading to reduced immune function. This study will help to explain how protein malnutrition leads to increased intestinal infections in malnourished children in developing countries.

Megan Baldridge, MD, PhD, receives Kenneth Rainin Foundation Award

The Kenneth Rainin Foundation has awarded $3 million for Inflammatory Bowel disease (IBD) through its Innovator Awards program. Grants support an international pool of early-career and seasoned researchers to study untested ideas that could lead to breakthrough discoveries about IBD. These Innovator Awards provide critical initial support to high-risk research that will help improve the prevention and prediction, as well as better management of the disease by doctors and patients.”

Funded projects include an array of basic, translational, and clinical science research related to IBD, such as the microbiome, immunity and inflammation, and diet and nutrition. Grantees receive a $100,000 grant, and those who demonstrate significant progress toward their goals are eligible for an additional two years of support.
Jennie H. Kwon elected Board of Trustees Member of the American Osteopathic Association (AOA)

Jennie H. Kwon, DO, MSCI has been named the New Physician in Practice member of the AOA Board of Trustees. Dr. Kwon is an assistant professor of medicine and a board certified internist and infectious diseases specialist at the Washington University School of Medicine in St. Louis. She completed her ID fellowship here in 2016.

Dr. Kwon also will chair the group’s Bureau of Emerging Leaders, which represents osteopathic students, trainees and new physicians. During her one year appointment, Kwon, who also is an associate hospital epidemiologist at Barnes-Jewish Hospital, and a National Academy of Medicine Anniversary Fellow, will help develop opportunities and resources for osteopathic medical students and early-career physicians.

In the clinical setting, Kwon cares for patients with infections related to organ or bone-marrow transplants and studies multidrug-resistant organisms. Her work focuses on the impact of antimicrobials on the microbes that live in the gut, and on how multidrug-resistant organisms are transmitted in health-care settings, the community and the environment.

Dr. Kwon has been an active member of the American Osteopathic Association since starting medical school, and is committed to advancing public health and the osteopathic profession. Her experiences as a clinician, scientist, and leader have prepared her to advance the philosophy, science, and practice of osteopathic medicine.

congratulations . . .

Best wishes to Drs. Jennie Kwon, DO, MSCI, assistant professor of medicine and Augustine R. Hong MD, assistant professor of ophthalmology and visual sciences, on the birth of their son.

Clifford Kenneth Hong

Born August 24, 2017, 6 lbs, 9 ounces, 19.25 inches
faculty highlights continued

IDSA Committee Appointments

Liang appointed to the Standards and Practice Guidelines Committee

The Standards and Practice Guidelines Committee serves to make recommendations and oversee the development of evidence-based clinical practice guideline. The members review any other standard setting documents including those in collaboration with other groups. They monitor, develop and make recommendations to establish scientific policy on infectious diseases related issues.

Lane appointed to the Quality Improvement Committee

Michael A. Lane, MD, MSc, MPHSc, assistant professor of medicine, was appointed to the Quality Improvement Committee. “I am fortunate to have experienced really great training and opportunities here in the ID Division, department of medicine and now at BJC measuring and improving the quality of care that we deliver,” says Mike. “I’m looking forward to using that experience to try to help the Society improve how we measure and improve infectious diseases care on a national scale.”

I don’t have a lot of insight into the selection process. I had completed a nomination process and application prior to being accepted. I wish I could claim that it was a rigorous, highly selective process but I think I owe a debt of thanks to Bill for his advocacy on my behalf.

Mattar appointed to Antimicrobial Resistance Committee

Caline Mattar, MD, instructor in medicine, was recently appointed to the Antimicrobial Resistance Committee. The committee serves to advance, through public policy and advocacy activities, the development of new antimicrobial agents where unmet need exists and the reduction of the occurrence of antimicrobial resistance. The committee makes recommendations to the Board of Directors about how the Society can best further policy and advocacy efforts in these areas and to serve as IDSA’s primary point of contact for matters under its charge with Congress and the relevant federal agencies represented.

Kwon appointed to Research Committee Advisory Group

Jennie Kwon, DO, MSCI, assistant professor of medicine was also appointed to a 1 year term on the IDSA’s Research Committee Advisory Group. This committee serves to make recommendations to promote research and new advancements in infectious diseases. Members also monitor developments and make recommendations related to federal support for biomedical research and make recommendations on activities/issues under its purview that involve federal legislation and regulation.
Jacco C. Boon, PhD receives DARPA Grant from the Department of Defense

Jacco C. Boon, PhD, assistant professor of medicine, infectious diseases division, with David T. Curiel MD, PhD, professor of radiation oncology, received a Defense Advanced Research Projects Agency (DARPA) grant with the title “An Inducible Genetic Bioshield for Flexible and Rapid Protection of Body Portals Against Bioweapons Attack of Diverse Types.” DARPA, an agency of the U.S. Department of Defense, is responsible for the development of emerging technologies for use by the military.

“Weapons of mass destruction can be chemical, radiation, or biological in nature and may occur simultaneously. Countermeasures against these weapons must therefore provide protection against such multi-pronged assaults” says Boon. “What is thus required is a defensive shield that embodies a flexible design to allow protection against diverse attacks.”

“In collaboration with Dr. Curiel in the Department of Radiation Oncology at Washington University, we have received funding from the DARPA to develop a genetic approach for induction of biodefense genes. Specifically, we are tasked with developing an inducible and integrated defense system against a biological and chemical attack. We use an adenoviral vector to express protective genes against influenza virus and organophosphate nerve agents.”

“Our preliminary results indicated that antibodies against influenza virus, produced by a lung targeted adenovirus vector, were highly protective in a high dose challenge model. In the next year, we will test vectors expressing two biodefense-relevant genes simultaneously, and evaluate the ability to integrate the protective genes into the genome. Finally, we will determine the potential to induce the expression of these genes to ultimately provide long term protection against these weapons of mass destruction.”

Aggressive UTI bacteria hijack copper, feed off it

Findings suggest ways to ‘starve’ hard-to-treat E. coli infections

Jeffrey Henderson, MD, PhD, associate professor of medicine, is lead author on a study that suggests ways to ‘starve’ hard-to-treat E. coli infections. Copper has long been known for its ability to kill bacteria and other microbes.

But in an interesting twist, Dr. Henderson and his team, have shown that Escherichia coli (E. coli) bacteria — those at the root of hard-to-treat urinary tract infections (UTIs) — hijack trace amounts of copper in the body and use it as a nutrient to fuel growth. The finding suggests blocking this system may starve E. coli infections, opening the door to treating UTIs using drugs that work differently from traditional antibiotics.

The study is published July 24 in Nature Chemical Biology.
welcome new fellows

Lee Connor, MD
I am originally from Indialantic, FL. I have many outside interests that include backpacking, camping, grilling and fishing. I received my BS in Microbiology and Cell Science from the University of Florida, my medical degree from Florida International University Herbert Wertheim College of Medicine, Miami, and my residency at Wake Forest Baptist Medical Center, Winston-Salem, NC.

Why did you choose an ID fellowship?
I wanted a large referral center for the interesting cases along with a very active cancer/BMT center that makes for excellent training in transplant ID. The collaboration between the microbiology lab and the division of infectious disease is a unique opportunity to learn about the advances in diagnostics and gives the infectious disease fellows a great insight into what goes into every culture. I most would like to focus on microbiology, patient safety and hospital epidemiology.

Siddhant Datta, MD
I am originally from Amritsar, Punjab, India and moved to Mumbai for my medical school training at Grant Government Medical College. I did my residency at Rochester General Hospital, Rochester, NY. Outside work I love to cook, paint and travel. I am a big time foodie and like to try different cuisines and new restaurants.

Why did you choose an ID fellowship?
I chose WashU ID fellowship program as I wanted to train at a large referral and research center where I could get strong clinical training along with various research opportunities. During my fellowship I would like to focus on Anti-microbial Stewardship, epidemiology and transplant ID.

Kap Sum Foong, MD
My interest in infectious diseases began in Malaysia, where I was born and raised. During my medical school training at the Universiti Sains Malaysia, I was fascinated by the myriad of endemic tropical infectious diseases such as malaria, dengue fever, and TB. I find it challenging and enjoy the constant evolving nature of this field; emergence of new diseases, re-emergence of old diseases, and antimicrobial resistance.

Why did you choose an ID fellowship?
I chose ID fellowship at WashU because of its strong clinical training, abundant research opportunities, solid program leadership, and more importantly the opportunity to tailor my educational experience to my career goals. My research interests are hospital epidemiology and infection control.

Matthew Hevey, MD
I was born and raised in Milwaukee, WI. I studied Music and Neuroscience at Vanderbilt University then returned to Milwaukee to complete my medical education and Internal Medicine residency at the Medical College of Wisconsin. My wife has her Masters in Education and taught 1st grade in Milwaukee but is currently staying home with our new 5-month old son.

Why did you choose an ID fellowship?
I was fascinated by every aspect of Infectious Diseases from microbiology to consults to epidemiology. I feel that I can make a significant impact with the research opportunities available in ID. I chose WashU because of its seemingly endless physical and intellectual resources in an environment that is friendly yet constructive.

Laura Marks, MD, PhD
I am originally from Angwin California. I received my medical and doctor of philosophy degrees at State University of New York, University at Buffalo, Buffalo, NY. I did my residency at Barnes-Jewish Hospital at Washington University School of Medicine. In my free time I enjoy sampling all varieties of sugar, particularly ice-cream, other hobbies include running ultra-marathons, scuba-diving and spending time with my dog.

Why did you choose an ID fellowship?
I chose WashU ID fellowship program as I wanted to train at a large referral and research center where I could get strong clinical training along with various research opportunities. During my fellowship I would like to focus on Anti-microbial Stewardship, epidemiology and transplant ID.
Fellows present oral and poster presentations at IDWeek 2017

Darrell A. McBride, DO, 3rd year fellow was selected to receive an IDWeek Trainee Travel Award for his research project, “Stroke outcomes among HIV-infected patients in a large, urban, tertiary hospital in the United States, 1999-2016 in HIV and the Central Nervous System Poster Hall.” “HIV infection is an independent risk factor for stroke. However, patient-level data on stroke outcomes among HIV-infected patients are limited. We compared stroke outcomes between HIV-infected and -uninfected patients in a large tertiary hospital.”

Carlos R. Mejia, MD, 2nd year fellow, received a travel award for his work, “Impact of Infectious Diseases Consultation on Mortality in Patients with Candidemia, presented at the oral abstract session: The Fungus Among-us Clinical Advances.” “An infectious diseases (ID) consultation is often, but not always, obtained to help guide treatment of patients with candidemia. We examined if ID consultation affected patient outcome in patients with culture positive candidemia. Our findings indicated that Candidemic patients who received an ID consult were significantly less likely to die, and were more likely to receive therapy with amphotericin or an echinocandin. These data suggest that an ID consult should be an integral part of clinical care of patients with candidemia.”

Jane O’Halloran, MD, PhD, 2nd year fellow, received a travel award for her project, “Risk Factors Predicting Candida glabrata Bloodstream Infection, presented during the poster abstract session, Clinical Mycology.” “Increased incidence of Candida glabrata (CG) infection is a growing concern in recent years due to the higher rates of fluconazole resistance associated with CG. This study aimed to create a risk predictive model for CG in patients with culture-positive candidemia. Underlying bowel pathology was more commonly associated with CG candidemia than with other candida species. Further exploration of the direct association between CG and GI malignancy and indirect effects of prior surgery or antifungal use on risk of CG candidemia are required. Interestingly, mortality did not differ between groups with glabrata and non-glabrata candida bloodstream infections. This may reflect increasing empiric use of echinocandin therapy.”

Krunal Raval, MD, 2nd year fellow, received a travel award for his project, “Presentation and outcome of Cryptococcal infection varies by predisposing illness, presented during the poster abstract session, Clinical Mycology.” “Better treatment for HIV has led to the changing epidemiology of cryptococcosis. Important differences in outcomes have recently been demonstrated based on immune status. In this study we describe the differences in presentation and outcome of cryptococcal infection by immune status in the post-HAART era.”

Siddhant Datta, 1st year fellow, presented two posters, the first, “Knowledge and Perspectives of Antimicrobial Stewardship: Comparison of Inpatient versus Outpatient Providers.” “Antibiotic prescribing is frequent in the OP setting. While OP HCP acknowledge the problems of antibiotic overuse and most report they practice AS, many continue to prescribe antibiotics inappropriately. Increased knowledge of treatment guidelines and access to pharmacy and antibiograms may alleviate this discordance between the understanding and application of AS in the OP setting.”

Dr. Datta’s second poster was “Actinomyces in Blood: Is it Clinically Significant or Insignificant?” Actinomyces bacteremia, once rare is now more commonly reported due to modern culture techniques. Not all positive cultures may be meaningful and it can present as transient bacteremia. Better awareness among providers is necessary and involvement of infectious disease service is recommended. If true bacteremia untreated, it can prove fatal.

Juan J. Calix, MD, PhD, 2nd year fellow, and his research mentor Mario Feldman PhD (Associate Professor of Molecular Microbiology, Washington University) traveled to Seville, Spain to participate in the 11th International Symposium on the Biology of Acinetobacter. This conference occurs every two years and is an excellent opportunity to discuss the basic, epidemiological, clinical and therapeutic aspects of Acinetobacter species. Mario Feldman, an international expert whose basic science research focuses on the pathobiology of Acinetobacter species, was a key note speaker. Juan, who is interested in examining Acinetobacter-host interactions and how this plays a role in Acinetobacter infections, traveled to this conference as part of his training. His travel was sponsored in by the ID division and by the Washington University Physician Scientist Training Program.
<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Erik Dubberke, MD, MSPH</td>
<td>Microbiome Profile is Distinct in Patients with Successful Response to Microbiota-Based Drug RBX2660 Relative to Placebo Responders</td>
</tr>
<tr>
<td>Mike Durkin, MD, MPH</td>
<td>An Estimate of Inappropriate Antibiotic Prescribing Rates for Outpatient Uncomplicated Urinary Tract Infections</td>
</tr>
<tr>
<td>Ige George, MD, MS</td>
<td>Routine Cryptococcal Antigen Screening in Solid Organ Transplant Recipients: Is it Time to Save Lives and Money? Coccidioidomycosis after Solid Organ Transplantation- a Population Based Study</td>
</tr>
<tr>
<td>Merilda Blanco Guzman, MD</td>
<td>Epidemiology and Microbiology of first Ventricular Assist Device infection and their effect on outcomes.</td>
</tr>
<tr>
<td>Ryan Kronen (Andrej Spec, MD)</td>
<td>Risk Factors and Mortality Associated with Candida krusei Bloodstream Infections</td>
</tr>
<tr>
<td>Jennie Kwon, DO, MSCI</td>
<td>Longitudinal Analysis of ICU Surface Multidrug Resistant Organism Contamination in the US and Pakistan</td>
</tr>
<tr>
<td>Stephen Liang, MD, MPH</td>
<td>Urinary tract infections after combat-related genitourinary trauma</td>
</tr>
<tr>
<td>Charlotte Lin, BA (Andrej Spec, MD)</td>
<td>Risk Predictive Model for 90-Day Mortality in Candida Bloodstream Infections</td>
</tr>
<tr>
<td>Caline Mattar, MD</td>
<td>Development and Validation of a Risk Prediction Score for Enterococcal Endocarditis</td>
</tr>
<tr>
<td>Lemuel Non, MD</td>
<td>Statin Utilization among human-immunodeficiency virus (HIV)-infected individuals based on the 2013 American College of Cardiology and American Heart Association (ACC/AHA) Blood Cholesterol Guideline</td>
</tr>
<tr>
<td>Anupam Pande, MD, MPH</td>
<td>Primary or Secondary Prophylaxis with Voriconazole Compared to Posaconazole for Prevention of Invasive Fungal Infections after Hematopoietic Stem Cell Transplantation</td>
</tr>
<tr>
<td>Brett Tortelli, BA (Rupa Patel, MD)</td>
<td>Comfort Discussing HIV Pre-Exposure Prophylaxis with Patients Among Physicians in an Urban Emergency Department</td>
</tr>
<tr>
<td><strong>3rd Year ID Fellows</strong></td>
<td></td>
</tr>
<tr>
<td>Mati Hlatshwayo, MD</td>
<td>Smoking and Opportunistic Infections Contribute to High Rates of Respiratory Symptoms Among HIV-Infected Smokers</td>
</tr>
<tr>
<td>Darrell McBride, DO</td>
<td>Stroke outcomes among HIV-infected patients in a large, urban, tertiary hospital in the United States, 1999-2016</td>
</tr>
</tbody>
</table>
Infectious Diseases Society of St. Louis

presents

The ID Physician’s Role in
Outbreak Response & Public Health

Judith Guzman-Cottril, DO
Professor of Pediatrics
Division of Infectious Diseases
Oregon Health & Science University
Chair, SHEA/CDC Outbreak Response Training Program

Thursday
November 30, 2017

Engineer’s Club of St. Louis
4359 Lindell Blvd.
St. Louis, MO 63108

6:00 p.m. Reception (meet & greet)
7:00 p.m. Meeting Commences

Register at:
www.wustl.edu/etransact
scroll to “Infectious Diseases Society and Event Registration”

TARGET AUDIENCE
This course is directed to infectious diseases physicians, pediatricians, public health specialists, infection control specialists, epidemiologists, and those who oversee infection control programs.

MORE DETAILS
If you have any questions please call or e-mail Susan Wightman at (314) 454-8275 or wightman.susan@wustl.edu.

Keep up with the latest news... https://infectiousdiseases.wustl.edu

National Leaders in Infectious Diseases
...preparing the next generation of scientists and physicians

Follow us on FACEBOOK!
https://www.facebook.com/wustlID/
Our mission is to provide outstanding clinical care, conduct ground-breaking research, and train the next generation of leaders in academic medicine and infectious diseases.

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. It is therefore only appropriate that we honor him by creating a fund that will provide support for young trainees and junior faculty in the Division, helping them transition their independent careers. Additionally, we rely heavily on outside donations to continue to recruit, train, and retain high quality staff to support the research, education, and clinical mission of the division.

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. To make a gift online please visit our “LEADING Together” page to direct your gift to honor Dr. Medoff to the Division of Infectious Disease Fund (90991).

Thank you to our recent donors

Dr. James Hinrichs
Dr. Paul W. Spearman
Dr. and Mrs. Leon and Ann Robison III

Your Donations Are Greatly Appreciated!

To make a gift to the Infectious Diseases Division, please contact Traci Albers, Division Administrator, Infectious Diseases Division, or mail your contribution. Checks can be made payable to:

Washington University School of Medicine
Infectious Diseases Division
ATTN: Traci Albers, MBA
Campus Box 8051, 4523 Clayton Ave.
St. Louis, MO 63110

phone: 314-454-8354                           email: alberst@wustl.edu
Online gifts can be made through https://gifts.wustl.edu.
Please be sure to designate the School of Medicine and Infectious Diseases.