



Scholarly Opportunities in Infectious Disease

Categories of Opportunities

- ▶ Healthcare Delivery/Policy
- ▶ Infection Prevention/Hospital Epidemiology
- ▶ Antimicrobial Stewardship
- ▶ Basic Science: Innate Immunity Host-Pathogen Interx's
- ▶ Clinical Research, including Global Health
- ▶ Medical Education Initiatives

Healthcare Delivery

- ▶ **Michi Goto:** Health Services/Health Policy Effectiveness; Outcomes Research in Abx Resistance
- ▶ **Michael Ohl:** HIV PrEP in VA system and with IDPH; Analysis of effectiveness of Tx for COVID-19 using VA data
- ▶ **Martha Carvour:** health disparities and health equity; health services rsch, QI; COVID-19 health equity



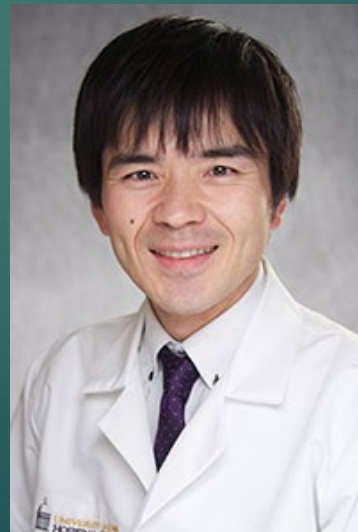
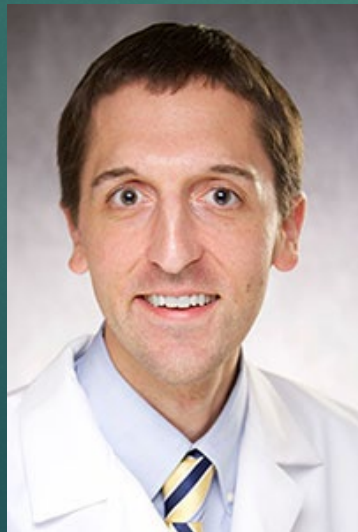
Hospital Epi/Infx Prevention/Emerging Infections

- ▶ **Phil Polgreen:** Epidemiology research with Computer Science & Biostatistics Faculty members (Comp-Epi); novel applications of technology to ID Epi; Emerging Infections Network Director
- ▶ **Loreen Herwaldt:** Hospital Epi research, including risk factors for HAIs; SSI prevention; Using human factors engineering and ethnography to improve practice (eg, optimal use of PPE)



Abx Stewardship/Hospital Epi

- ▶ **Dilek Ince:** AMS; COVID-19 treatment trials
- ▶ **Daniel Livorsi:** AMS Projects at VA
- ▶ **Hiroyuki Suzuki:** AMS/Hospital Epi @ VA
- ▶ **Taka Kobayashi:** Hospital Epi (senior rsch fellow)



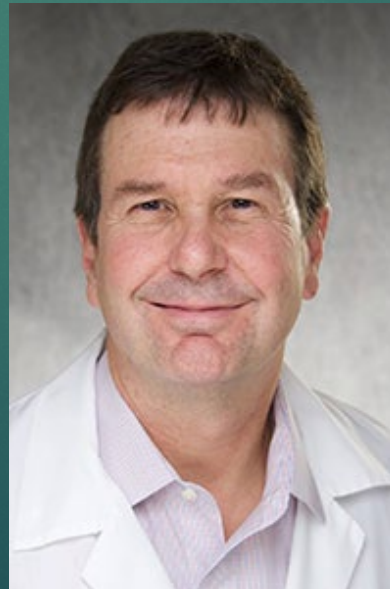
Clinical Research, including Global Health Projects

- ▶ **Martha Carvour:** MSK Infections; Diabetic Foot Conditions
- ▶ **Poorani Sekar:** MSK Infections
- ▶ **Mary Wilson[^] & Selma Jeronimo^{*}:** Parasitology projects in Brazil^{*^} or India[^]



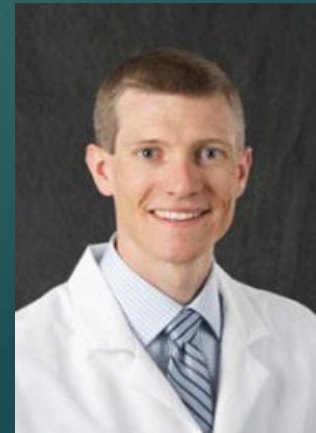
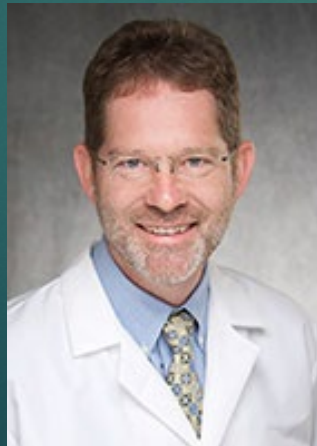
Vaccine Trials, Clinical Virologic Research

- ▶ **Pat Winokur:** Vaccine trials
- ▶ **Jack Stapleton:** HIV trials; Vaccine trials
- ▶ **Jeff Meier:** HIV trials and research w/ other viruses (eg, CMV)



Medical Micro

- ▶ **Daniel Diekema**
- ▶ **Kunatum (Jin) Prasidthrathsint:** Comparing *Corynebacterium* susceptibility under different growth conditions, Utility of fungal blood cultures (diagnostic stewardship)
- ▶ **Brad Ford, Director of Micro Lab**



Host-pathogen Interx's/Innate Immunity

- ▶ **Thorsten Maretzky**: Tumor immunology, inflammation; host-microbe interactions in infections & immune responses
- ▶ **Priya Issuree**: T cell development & regulatory elements; epigenetic mechanisms of T cells in response to vaccination/ T reg's
- ▶ **Jack Stapleton**: Virus-immune interactions
- ▶ **Prajwal Gurung**: Innate immune sensors and role in dz pathogenesis
- ▶ **Bill Nauseef**: biology of human neutrophils in response to Staph aureus (SA) and Neisseria gonorrhoeae. Current projects include: a) IL-1 beta secretions by hPMNs; b) HOCL-mediated killing of SA; c) hPMN cell death pathways
- ▶ **J. Muse Davis** (Peds ID): granulomatous inflammation using zebrafish infected by *Cryptococcus*, *Mycobacteria*, etc, to explore molecular mechanisms and functions of granulomas

Other

- ▶ **Jason Barker:** Med Ed/curriculum development
- ▶ **Ilonka Molano:** Overlap of ID and Palliative Care
- ▶ **Lemuel Non and Dilek Ince:** Transplant ID
- ▶ QI projects: multiple areas/faculty
- ▶ Case Reports/Review Articles: multiple faculty

