



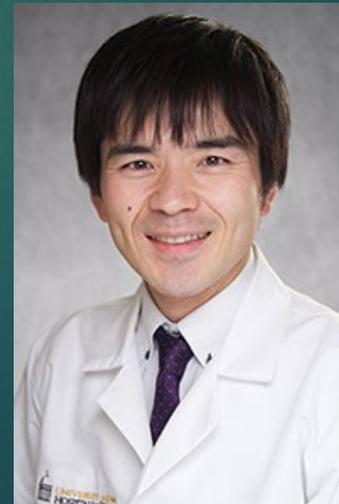
Scholarly Opportunities in Infectious Disease

Categories of Opportunities

- ▶ Healthcare Quality and Delivery
- ▶ Infection Prevention, Hospital Epidemiology
- ▶ The Epidemiology of Infections
- ▶ Antimicrobial Stewardship
- ▶ Basic Science: Innate Immunity & Host-Pathogen Interx's; Virology; Parasitology
- ▶ Clinical Research, including Global Health
- ▶ Vaccine trials
- ▶ Medical Education Initiatives

Healthcare Delivery

- ▶ **Michi Goto:** Health Services/Health Policy Effectiveness; Outcomes Research in Abx Resistance
- ▶ **Michael Ohl:** Rural Health Research; Analysis of effectiveness of Tx for COVID-19 using VA data
- ▶ **Hiroyuki Suzuki:** AMS, Health Services Research, Rural Health @ VA



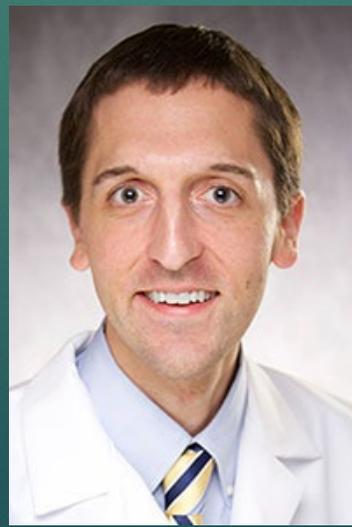
Hospital Epi/Infx Prevention; The Epidemiology of Infections

- ▶ **Phil Polgreen:** Computational Epidemiology (blend ID w/ Computer Science & Biostatistics); novel applications of technology to mine data for the Epidemiology of Infections; Emerging Infections Network Director
- ▶ **Loreen Herwaldt:** Hospital Epi, including risk factors for HAIs; SSI prevention; Human factors engineering and ethnography to improve IP practice (eg, optimal use of PPE)



Antimicrobial Stewardship/Hospital Epi

- ▶ **Dilek Ince:** AMS; novel antimicrobial treatment trials
- ▶ **Daniel Livorsi:** AMS Projects at VA
- ▶ **Karen Brust:** Hospital Epidemiologist, UIHC



Innovative Healthcare Programs for Vulnerable Populations

- ▶ **Michael Ohl:** TeleHealth for Hepatitis C Care
- ▶ **Quanhathai Kaewpoowat (Quan):** TeleHealth for Hepatitis C Care
- ▶ **Martha Carvour:** Community Outreach to Promote Equitable Delivery of Healthcare



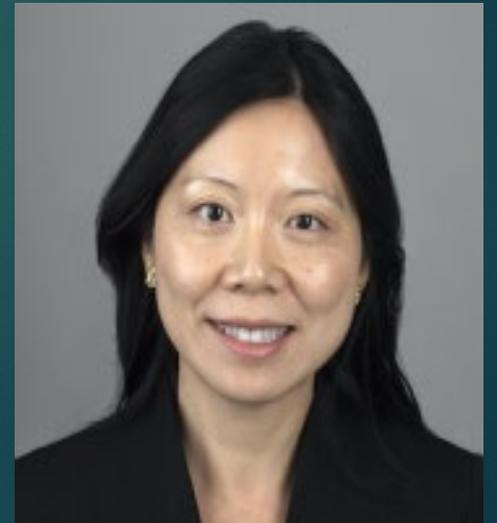
Clinical Research, including Global Health Projects

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



Vaccine Trials, Virologic Research (clinical or basic science)

- ▶ **Pat Winokur:** Vaccine trials
- ▶ **Jack Stapleton:** HIV trials; Vaccine trials; Pegiviruses
- ▶ **Jeff Meier:** HIV trials and other viruses (esp CMV)
- ▶ **Sabrina Tan:** Polyomaviruses in imm-compromised



Medical Micro

- ▶ **Kunatum (Jin) Prasadthratsint:** *Corynebacterium* susceptibility studies, ID Diagnostic stewardship, CHF w/ itraconazole
- ▶ **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
- ▶ **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 Clinical & Scholarly Interests of ID Faculty

- ▶ **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

