

University of Virginia Division of Infectious Diseases and International Health Fellowship Program





Bill Petri, MD, PhD

Division Chief

**University of Virginia Health System
Division of Infectious Diseases and
International Health
Professor of Medicine**



Chris Moore, MD

Fellowship Program Director



Brian Wispelwey, MD

Vice Chief for Clinical Affairs and Education



Eric Houpt, MD

Associate Director of Research



Barbara Mann, PhD

Vice Chief for Research and Faculty Development



UVa Infectious Diseases Fellowship Program

- **Committed to producing the next generation of leaders in infectious diseases through outstanding clinical and research training with the ultimate goal of preventing and optimally treating infectious diseases here and around the world**
- **Committed to a collegial and supportive environment in the care of patients, research, teaching, and learning**

UVa Infectious Diseases Fellowship Program

- 3 year NIH T-32 supported training program (x 40 years!!)
- 1 year of dedicated research training
- 2 years of combined clinical and research training



UVa Infectious Diseases Fellowship Program— The Clinical Experience

- Microbiology laboratory orientation



Mendy Poulter, PhD
Director of Clinical Microbiology



Amy Mathers, MD
Associate Director of Clinical Microbiology



UVa Infectious Diseases Fellowship Program— The Clinical Experience

- **Inpatient consultations**
 - **General infectious diseases and HIV service**
 - **Two clinical fellows**
 - **Non-HIV immunocompromised service**
 - **Solid organ and stem-cell transplant patients**
 - **One clinical fellow**
 - **Non-teaching, attending only service**
 - **Unloads fellow service**

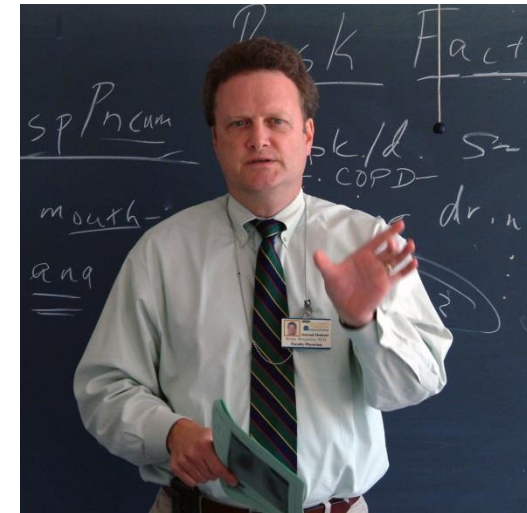


UVA Infectious Diseases Fellowship Program— The Clinical Experience

- Outpatient infectious diseases clinics
 - Ryan White HIV clinic
 - General infectious diseases
 - Transplant
 - Travelers
 - Hepatitis C
 - TB & NTM
 - Sexually transmitted diseases
 - Musculoskeletal
 - Complicated *Clostridium difficile*
 - Antibiotic stewardship elective

UVa Infectious Diseases Fellowship Program— **Learning opportunities**

- Case conference
- Didactic conference
- HIV didactic/case conference
- Transplant ID didactic
- Clinical microbiology rounds
- Research in progress
- IDSA board review course
- IDSA in-training exam (years 1 and 3)
- National meetings (eg ID week, ASTMH)
- **ASTMH Diploma Course Certification**

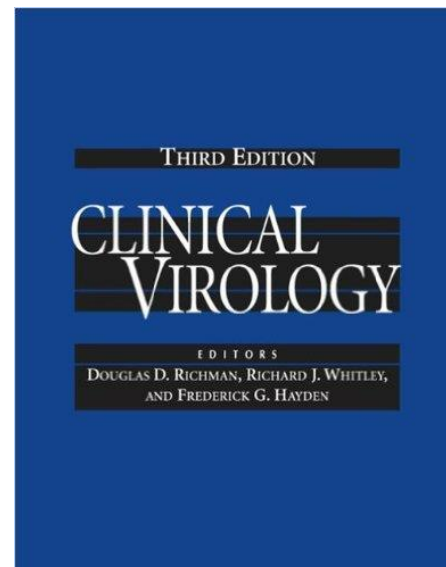
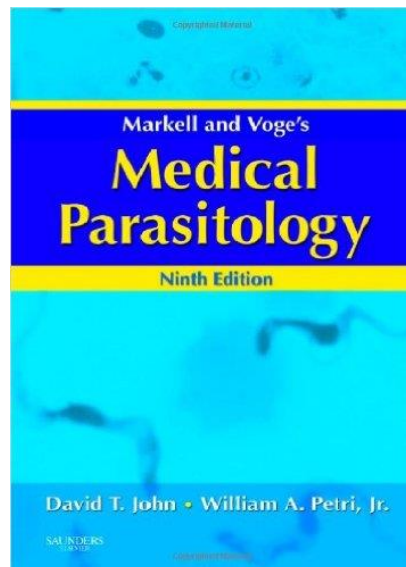
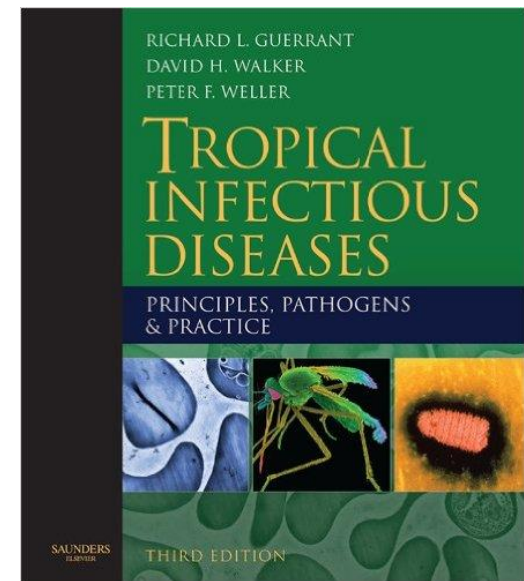
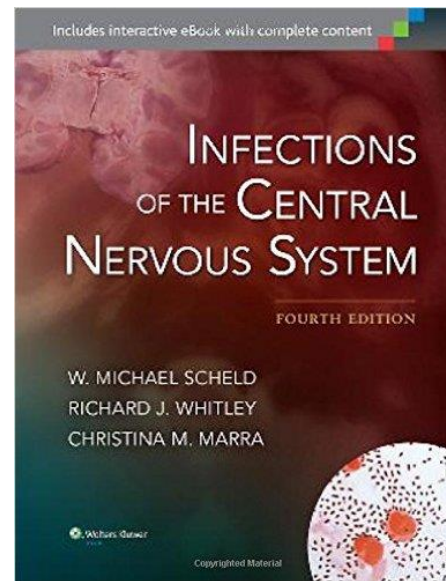
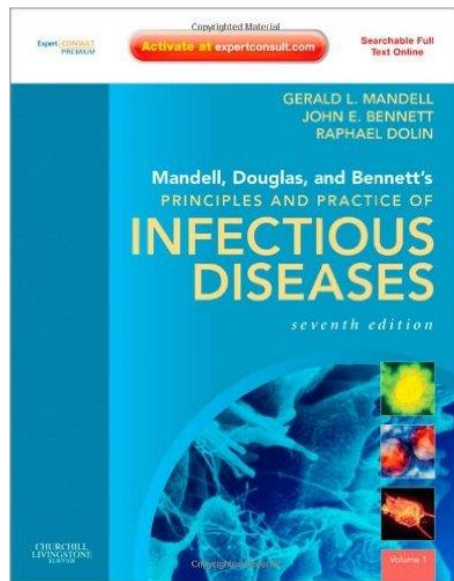




UVa Infectious Diseases Fellowship Program— Learning opportunities

- **Faculty teaching excellence**
 - **Dean's Excellence in Teaching Award**
 - **Mathers, Houpt, Sifri, Dillingham, Hughes**
 - **David A. Harrison Distinguished Educator Award**
 - **Scheld, Wispelwey, Rein**
 - **All University Teaching Award**
 - **Donowitz, Dillingham, Petri, Wispelwey**
 - **Outstanding Faculty Award—State Council of Higher Education, Virginia**
 - **Petri, Hewlett**

UVa Infectious Diseases Fellowship Program— Learning opportunities



UVa Infectious Diseases Fellowship Program— The Research Experience

- Goal: To progress from an outstanding medical resident to a much sought after Assistant Professor in 3 years





UVa Infectious Diseases Fellowship Program— The Research Experience

- **How?**
 - **Research acumen in a focused area of infectious diseases**
 - **Track record of peer reviewed publications**
 - **Propose research compelling enough to receive extramural funding**
 - **National Institutes of Health**
 - **Burroughs-Wellcome Fund**
 - **Gates Foundation**
 - **Harold Amos Faculty Dev't Program**



UVa Infectious Diseases Fellowship Program— The Research Experience

- **Research development**
 - **Work with one or more faculty members from the Division of ID&IH and/or affiliated departments**
 - **Extensive mentoring, individualized research plan and an advisory committee**
 - **Protected time for research**
 - **Superb research infrastructure and support**

UVa Infectious Diseases Fellowship Program— **The Research Experience**

- **Research portfolio**
 - **Basic laboratory science**
 - **Translational science**
 - **Clinical science**



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UVa Infectious Diseases Fellowship Program— The Research Experience





UVa Infectious Diseases Fellowship Program— The Research Experience

- **Research expertise**
 - **Bacterial diseases**
 - **Biodefense pathogens**
 - **Enteric pathogens**
 - **MDROs/mechanisms of resistance**
 - **Tuberculosis**
 - **Sepsis**
 - **Parasitic diseases**
 - **Amebiasis**
 - **Cryptosporidiosis**
 - **Giardiasis**
 - **Malaria**

UVa Infectious Diseases Fellowship Program— The Research Experience



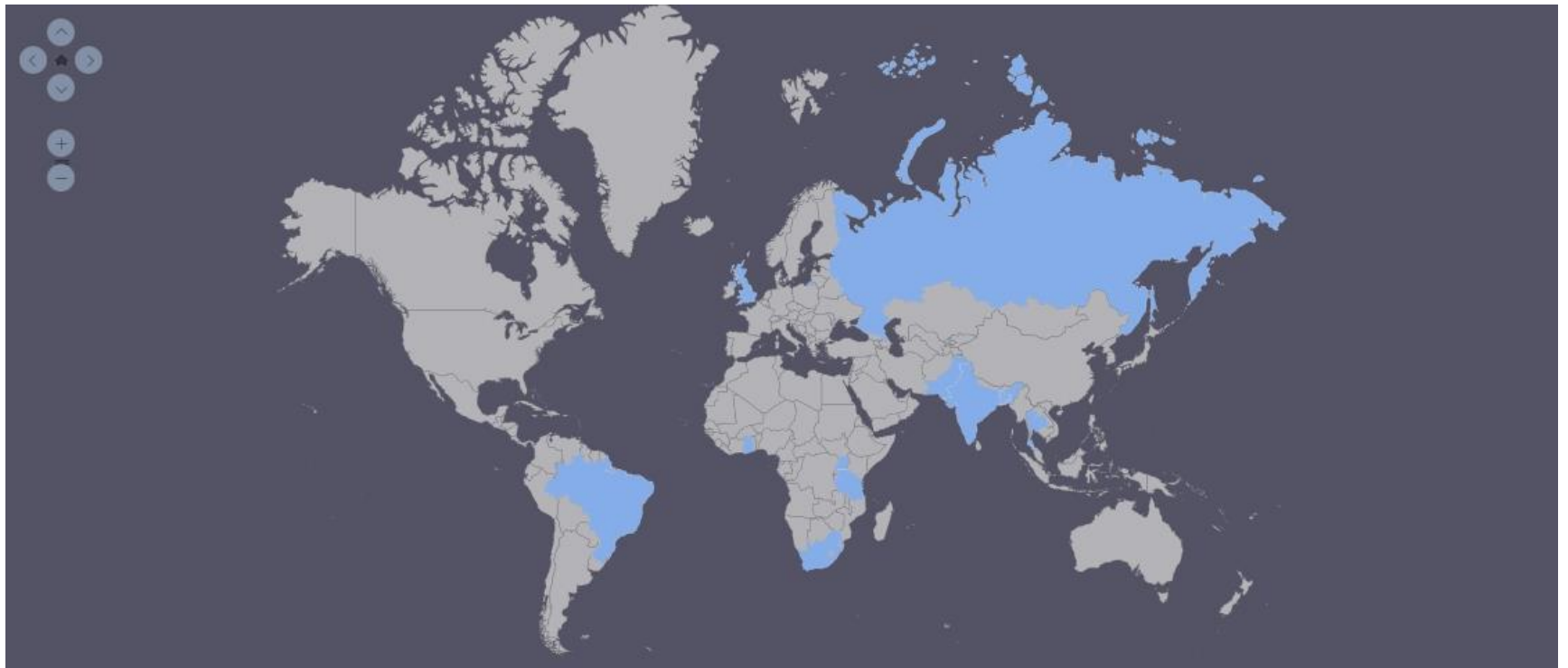


UVa Infectious Diseases Fellowship Program— The Research Experience

- **Research expertise**
 - **Virology—HIV, HCV, HHV-8, Ebola, Influenza**
 - **Host genetics, epidemiology, immune responses**
 - **Molecular diagnostics**
 - **Global Health**
 - **Hospital epidemiology/antibiotic stewardship**
 - **Statistical modeling of critical illness**
 - **Clinical trials**

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UVa Infectious Diseases Fellowship Program— International collaborators





UVa Infectious Diseases Fellowship Program— The research experience

- **Faculty research excellence**
 - **Dean's Excellence in Research Award**
 - **Heysell, Houpt, Petri**
 - **Maxwell Finland Award—National Foundation of Infectious Diseases**
 - **Guerrant**
 - **Bailey K Ashford Medal; Walter Reed Medal, ASTMH**
 - **Houpt, Mann; Guerrant**
 - **Oswald Avery Award, IDSA**
 - **Houpt, Petri**
 - **Walter E Stamm Mentor Award, IDSA**
 - **Guerrant**



UVa Infectious Diseases Fellowship Program— The research experience

- Research funding
 - Annual grant and contract awards of **16-25 million dollars per year**
 - Highest in the Department, School of Medicine, and University of Virginia



National Institute of
Allergy and
Infectious Diseases



CENTERS FOR DISEASE
CONTROL AND PREVENTION

BILL & MELINDA
GATES foundation



World Health
Organization

UVa Infectious Diseases Fellowship Program— Fellow publications

THE LANCET Global Health

INFECTION CONTROL &
HOSPITAL EPIDEMIOLOGY

Clinical
Infectious
Diseases

JCI The Journal of Clinical Investigation
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PLOS | PATHOGENS

Mucosal Immunology

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ASTMH
AMERICAN SOCIETY OF TROPICAL MEDICINE & HYGIENE
ADVANCING GLOBAL HEALTH SINCE 1903

THE AMERICAN JOURNAL OF
TROPICAL MEDICINE AND HYGIENE
official Journal of the American Society of
Tropical Medicine and Hygiene



UVa Infectious Diseases Fellowship Program— Current fellows

Fellow	PGY	Residency	Project	Mentor / Advisors
McManus	7	Virginia	Healthcare delivery and measurement of quality care for people living with HIV (PLWH)	Dillingham/F32
Cheruvanky	6	Rutgers	Carbapenem resistant Enterobacteriaceae	Mathers
Covelli	6	Connecticut	Antimalarial resistance; metabolomics	Guler
Shin	6	Rochester	Clostridium difficile in elderly populations	Guerrant/Warren
Ebers	5	Virginia	Tuberculosis therapy PK	Heysell
Al-Kabab	5	King Faisal	Diabetes and tuberculosis PK	Heysell
Gulleen	5	Minnesota	Predictive modeling of neutropenic fever/neutropenic fever in resource-limited settings	Moore/Houpt
Fleece	4	Virginia	Global MDR enteric infections	Houpt
Gray	4	Virginia	Injection drug use and endocarditis	Dillingham
Schnee	4	MUSC	Campylobacter immunology	Petri/Platts-Mills

UVa Infectious Diseases Fellowship Program—Recent fellows

	Year	Current	Funding
Chaplin	2016	North Carolina	Private practice
Jackson	2016	UVA	NIH Ko8 pending
Schutte	2016	Oregon	Private practice
Lewis	2015	UVA	Transplant/Hospital epidemiology
Moonah	2015	UVA	Harold Amos Medical Faculty Dev't program/Ko8
Platts-Mills	2015	UVA	NIH K23
Bartelt	2014	UNC-CH	NIH Ko8
Korpe	2014	Johns Hopkins	NIH K23
Madan	2014	Cincinnati	NIH Ko8

- Last 10 years, **17 NIH K grants funded**
- Other destinations

- Cleveland Clinic, Columbia, Duke, ETSU, Johns Hopkins, LSU, Mt. Sinai, MUSC, Northwestern, Pittsburgh, Stanford, UBC, Vermont, Wake Forest, Yale

Welcome to Charlottesville



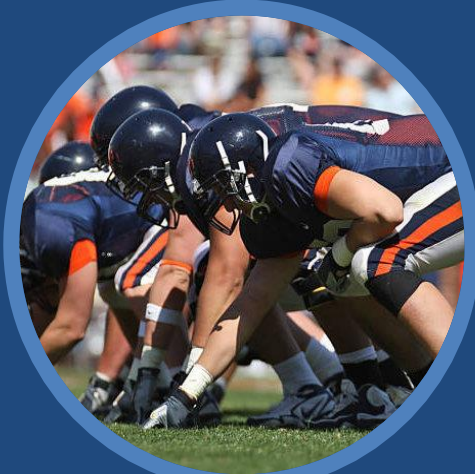
arts

music and more



sports

u-v-a! go hoos go





food
eat & drink

Joy Town, U.S.A.: Charlottesville named America's happiest city

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Posted: Wednesday, July 23, 2014 11:08 am | Updated: 4:57 pm, Wed Jul 23, 2014.



Posted on Jul 23, 2014
by [Bryan McKenzie](#)

Don't worry. Move to Charlottesville and be happy.

A study by the U.S. National Bureau of Economic Research on America's unhappy cities noted that the happiest place to seek bliss is right in the heart of Central Virginia.

The survey questioned people across the country about how happy and content they were and inquired into how satisfied they were with their lives.



The downtown mall is one of the hot spots for local tourism in Charlottesville, VA. Photo/Andrew Shurtleff

UVa Infectious Diseases Fellowship Program— **Today!**

- **Welcome!**
 - **We hope you enjoy your interactions with faculty and fellows**
 - **We look forward to your questions and comments**
 - **If there is any way that Ginny or I can help today or in the future, please let us know**





UVa Infectious Diseases Fellowship Program— **Stay in touch!**



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