Eric Houpt, MD
Division Chief
University of Virginia Health System
Division of Infectious Diseases and International Health
Professor of Medicine
Chris Moore, MD
Fellowship Program Director

Kate McManus, MD
Fellowship Associate Program Director
Brian Wispelwey, MD
Vice Chief for Clinical Affairs and Education

Barbara Mann, PhD
Vice Chief for Research and Faculty Development
Creating and maintaining a climate of diversity and inclusion are priorities at the School of Medicine and the Division of Infectious Diseases.

We recognize that diversity is an essential component in our efforts to continue, and to expand upon, the traditions of excellence in the School and the Division of Infectious Diseases.

https://med.virginia.edu/diversity/
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 (ID x 42 yrs; Biodefense x 16 yrs!!)
- 1 year of dedicated research training
- 2 years of combined clinical and research training
UVa Infectious Diseases Fellowship Program—The Clinical Experience
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
    - Two clinical fellows
  - NP and attending only team
    - Improves fellow work flow
- Non-HIV immunocompromised ID (Solid organ and stem-cell transplant patients; liquid tumors)
  - One clinical fellow and one NP
UVa Infectious Diseases Fellowship Program—The Clinical Experience

- Outpatient infectious diseases clinics
  - Ryan White HIV clinic
  - General infectious diseases
  - Transplant
  - Travel
  - TB & NTM
  - Hepatitis C
  - 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
- Journal club
- Clinical microbiology rounds

- Research in progress
- Board review course
- Public Health Sciences certificate
- 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
    - Dillingham, Houpt, Hughes, Mathers, Sifri, Townsend, Wispelwey
  - David A. Harrison Distinguished Educator Award
    - Rein, Scheld, Wispelwey
  - All University Teaching Award
    - Dillingham, Donowitz, Petri, Wispelwey
  - Outstanding Faculty Award—State Council of Higher Education, Virginia
    - Hewlett, Petri
UVa Infectious Diseases Fellowship Program—Learning opportunities
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
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
UVa Infectious Diseases Fellowship Program—The Research Experience
UVa Infectious Diseases Fellowship Program—The Research Experience

- **Bacterial diseases**
  - Biodefense pathogens
  - Enteric pathogens
  - *Campylobacter*
  - *C. difficile*
  - *Neisseria/STDs*
  - *S. aureus*
  - MDROs
  - *M. tuberculosis*
  - Sepsis

- **Parasitic diseases**
  - Amebiasis
  - Cryptosporidiosis
  - Giardiasis
  - Malaria
UVa Infectious Diseases Fellowship Program—The Research Experience
UVa Infectious Diseases Fellowship Program—The Research Experience

- Virology (HIV, HCV, HHV-8, Influenza, Ebola)
- Host genetics
- Epidemiology
- Immunology
- Molecular diagnostics
- Health policy and outcomes
- mHealth
- Hospital epidemiology
- Antibiotic stewardship
- Predictive analytics
- Transplant infections
- Clinical trials
UVa Infectious Diseases Fellowship Program—The Research Experience
UVa Infectious Diseases Fellowship Program—International collaborations
UVa Infectious Diseases Fellowship Program—The research experience

- Dean’s Excellence in Research Award
  - Heysell, Houpt, Mathers, Petri, Platts-Mills
- UVA Distinguished Scientist Award
  - Petri, Scheld
- Maxwell Finland Award—National Foundation of Infectious Diseases
  - Guerrant
- Bailey K Ashford Medal, ASTMH
  - Houpt, Kosek, Mann
- Walter Reed Medal, ASTMH
  - 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 grants and contract awards of ~25 million dollars per year
  - Highest in the Department, School of Medicine, and University of Virginia
UVa Infectious Diseases Fellowship Program—The Research Experience
UVa Infectious Diseases Fellowship Program—Fellow publications

THE LANCET Global Health

Clinical Infectious Diseases

Mucosal Immunology

Infection and Immunity

JCI - The Journal of Clinical Investigation

Journal of Clinical Microbiology

PLOS Pathogens

The Journal of Infectious Diseases

Infection Control & Hospital Epidemiology

The American Journal of Tropical Medicine and Hygiene
UVa Infectious Diseases Fellowship Program—
Current fellows
<table>
<thead>
<tr>
<th>Fellow</th>
<th>PGY</th>
<th>Residency</th>
<th>Project</th>
<th>Mentor</th>
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</thead>
<tbody>
<tr>
<td>Gulleen</td>
<td>7</td>
<td>U Minnesota</td>
<td>Neutropenic fever at UVA &amp; Uganda Cancer Institute</td>
<td>Moore</td>
</tr>
<tr>
<td>Fleece</td>
<td>6</td>
<td>UVA</td>
<td>Global MDR enteric infections</td>
<td>Houpt</td>
</tr>
<tr>
<td>Gray</td>
<td>6</td>
<td>UVA</td>
<td>Injection drug use and endocarditis</td>
<td>Dillingham</td>
</tr>
<tr>
<td>Schnee</td>
<td>6</td>
<td>MUSC</td>
<td>Campylobacter immunology</td>
<td>Petri/Platts-Mills</td>
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<tr>
<td>Madden</td>
<td>5</td>
<td>Yale</td>
<td>Healthcare associated infections</td>
<td>Sifri</td>
</tr>
<tr>
<td>Sherbuk</td>
<td>5</td>
<td>Yale</td>
<td>Hepatitis C</td>
<td>Dillingham</td>
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<tr>
<td>Steiner</td>
<td>5</td>
<td>Brigham &amp; Women’s, Harvard</td>
<td>Immune response to cryptosporidiosis in infants</td>
<td>Petri</td>
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<tr>
<td>Campbell</td>
<td>4</td>
<td>U Texas-MB</td>
<td>mHealth for ART adherence</td>
<td>Dillingham</td>
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<tr>
<td>Mohamed</td>
<td>4</td>
<td>U Tennessee</td>
<td>Clinical tuberculosis and diabetes in Tanzania</td>
<td>Heysell</td>
</tr>
<tr>
<td>Park</td>
<td>4</td>
<td>UVA</td>
<td>Nosocomial transmission of MDROs</td>
<td>Mathers</td>
</tr>
</tbody>
</table>
UVa Infectious Diseases Fellowship Program—
### UVa Infectious Diseases Fellowship Program—Recent fellows

<table>
<thead>
<tr>
<th>Year</th>
<th>Current Location</th>
<th>Funding Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkabab 2018</td>
<td>UVA</td>
<td>Post-doc/T-32</td>
</tr>
<tr>
<td>Ebers 2018</td>
<td>Arkansas</td>
<td>Private practice</td>
</tr>
<tr>
<td>Shin 2017</td>
<td>UVA</td>
<td>Academic faculty</td>
</tr>
<tr>
<td>Cheruvanky 2017</td>
<td>California</td>
<td>Private practice</td>
</tr>
<tr>
<td>Covelli 2017</td>
<td>California</td>
<td>Private practice</td>
</tr>
<tr>
<td>McManus 2017</td>
<td>UVA</td>
<td>NIH K08</td>
</tr>
<tr>
<td>Chaplin 2016</td>
<td>North Carolina</td>
<td>Private practice</td>
</tr>
<tr>
<td>Jackson 2016</td>
<td>UVA</td>
<td>NIH K08</td>
</tr>
<tr>
<td>Schutte 2016</td>
<td>Oregon</td>
<td>Private practice</td>
</tr>
<tr>
<td>Lewis 2015</td>
<td>MUSC</td>
<td>Academic faculty</td>
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<td>Moonah 2015</td>
<td>UVA</td>
<td>Harold Amos Medical Faculty Dev’t program/NIH K08</td>
</tr>
<tr>
<td>Platts-Mills 2015</td>
<td>UVA</td>
<td>NIH K23</td>
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<tr>
<td>Bartelt 2014</td>
<td>UNC-CH</td>
<td>NIH K08</td>
</tr>
<tr>
<td>Korpe 2014</td>
<td>Johns Hopkins</td>
<td>NIH K23</td>
</tr>
<tr>
<td>Madan 2014</td>
<td>U Cincinnati</td>
<td>NIH K08</td>
</tr>
</tbody>
</table>

- Last 10 years, **19 NIH K grants funded!**
- Other destinations: Cleveland Clinic, Columbia, Duke, Johns Hopkins, LSU, Mt. Sinai, MUSC, Northwestern, Pitt, Stanford, Vermont, Wake Forest, Yale
Welcome to Charlottesville
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, Kate, 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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