The Infectious Diseases Program, located in the Center for Infectious Diseases at the University of North Carolina has provided outstanding training, research and patient care for more than forty years. The program includes:

- More than twenty-six full-time faculty who both attend as well as conduct cutting edge laboratory, clinical and epidemiological research supported by over $30 million in annual funding from the CDC, NIH, Agency for Health Care Research, and the Doris Duke and Bill and Melinda Gates Foundations to conduct research in a broad range of disciplines related to infectious diseases, including clinical infectious disease, tropical medicine, emerging infections and biodefense, microbiology, immunology, biochemistry, epidemiology and health behavior. The infectious diseases faculty engages in a host of collaborative projects with researchers located in the Schools of Medicine, Public Health, Pharmacy, Nursing and Dentistry.

- The opportunity for fellows interested in laboratory careers to work with faculty both within the Division and outside the Division who are conducting cutting edge, NIH funded research on SARS, avian influenza, HIV, KSHV, EBV, Yersinia, Cryptococcus, TB, Dengue, malaria, trypanosomiasis and innate immunity. Many UNC trainees have used such opportunities to become independent investigators.

- A busy clinical service at UNC Hospitals, a public facility, providing treatment for the full range of infectious diseases, including a busy organ transplant service, the only burn center in the region, and a Bone Marrow Transplant Unit. UNC Hospitals also has a state-of-the-art electronic medical record allowing for all clinical data and notes to be viewed and completed off campus.

- Opportunities for general ID training in a busy community hospital and specialized STD and TB training at the Durham County Health Department clinics.

- Two NIH Training Grants have been funded for the past thirty-two years, a testament to the success of our program in training academic researchers. Our training grants allow us to recruit based on academic potential, and reflect our consistent track record in placing graduates in academic or related professional jobs.

- Research programs in sub-Saharan Africa, Russia, China, South America and the Caribbean facilitate collaborative international ID training. Fellows can complete part of their ID Training in Malawi.

- All research labs, clinical research programs, faculty in the various schools (i.e., Schools of Medicine, Public Health, Pharmacy, Nursing, Dentistry) and UNC Hospitals are within two blocks of each other, a concrete expression of the cooperative nature of our program. Likewise, the training programs are highly interdisciplinary, reflecting the same special sense of community.

- Ability to obtain either a master’s or doctorate in public health (usually epidemiology). This does require additional time on campus.

- Close cooperation with the NC Division of Health and Human Services and access to electronic files of reportable communicable diseases for research purposes.

- A collegial and lively weekly clinical case conference.

- An interactive weekly ID research conference presenting a broad range of topics from both local and national investigators

**Application Procedures**

**Eligibility:** Applicants must have successfully completed training in internal medicine and be citizens or permanent residents of the United States. Trainees funded by NIH Institutional Training Grants must be US citizens, non-citizen
nationals, or permanent residents; applicants eligible for NIH funds are strongly favored and are encouraged to apply to this program.

Application for admission to the Infectious Diseases Fellowship requires completion of the ERAS application form, which should be submitted with a curriculum vitae and a statement of the applicant's career goals and research interests ([http://www.aamc.org/students/erasfellow/start.htm](http://www.aamc.org/students/erasfellow/start.htm)). Special attention should be paid to the career track desired (see below) with emphasis on research opportunities available at UNC. Please indicate your desired career track as part of your personal statement. Three letters of reference are also required. Personal interviews are critical and will be arranged after review of applications and a preliminary telephone conversation with some applicants. We abide by the uniform notification date arranged by the Infectious Disease Society of America. We choose applicants without regard to race, creed, sexual orientation or ethnicity.

Applications for predoctoral or postdoctoral basic training in any program in Infectious Diseases should be directed to appropriate faculty or training grant director.

You may also direct questions to the Fellowship Coordinator:

Kirsten Leysieffer, Fellowship Coordinator
UNC- Division of Infectious Diseases
CB# 7030, 130 Mason Farm Road, Suite 2163
Chapel Hill, NC 27599-7030
Office: (919) 843-4377
Fax: (919) 966-6714
Infectious Diseases Training Program

The Infectious Diseases Training Program has three major goals:

- Provide educational opportunities for trainees in both ambulatory and in-patient care for patients with infectious diseases
- Provide an environment where trainees develop critical research skills through participation as investigators in original projects
- Provide training to other health professionals including medical students and internal medicine residents in infectious diseases management

The UNC ID Training Program is limited to physicians who have completed internal medicine training and is designed to prepare the trainee as an infectious diseases specialist. Priority is given to trainees interested in a career in academic research. The program is approved by the American Board of Internal Medicine to accept up to three new trainees per year. Each trainee is expected to complete American Board of Internal Medicine certification requirements within two years: twelve months of clinical training and twelve months of research experience (with four weeks of vacation each year). Trainees at UNC are expected to continue in the program to finish an advanced degree and/or undertake additional independent research for one to two additional years for a total of at least 3 years of training. Throughout training, each participant is required to attend two conferences per week, a weekly board review session and a monthly journal club.

Research training is directed by a training mentor with the permission of the Program Director and a Training Advisory Committee. All trainees interested are required to write an individual research award (NRSA, K23, K08) during their second or third year, since the process of securing such funding is critical to a successful career in academic medicine. While receipt of funding is not required for continued fellowship training, nearly all trainees are successful in these applications and have received independent support from organizations such as the National Institutes of Health, The American Cancer Society, The Howard Hughes Foundation and The American Foundation for AIDS Research.

Clinical Requirements and Specific Objectives:

What follows are the UNC rotations to meet the ACGME requirements to become Board Eligible in Infectious Diseases. Additional time can be spent in the Microbiology Laboratory, Pediatric Infectious Diseases and Hospital Infection Control.

**UNC Hospitals Inpatient Consult Rotation (32 weeks):**
- Provide care to a broad spectrum of in-patients with infectious complications including bacterial, viral, fungal, parasitic infections or fever of unknown origin
- Develop diagnostic and therapeutic skills as related to the infectious complications of patients who have solid organ transplants, HIV/AIDS, neutropenia, hepatitis, foreign travel, malignancies, dialysis or other immunocompromising conditions
- Develop skill selecting and prescribing antimicrobial agents, with special emphasis on pharmacology
- Gain consultative skill through “first-call”, interacting with all other hospital staff and outside referring physicians
- Develop skills in clinical and diagnostic microbiology through daily “plate rounds”
- Develop administrative and management skills through supervision of house-staff and students
- Develop teaching skills through organization, presentation and discussion in clinical case conferences.

**Durham County Health Department (5 to 8 weeks):**
- Gain exposure to diagnosis and management of tuberculosis and latent TB infections
- Develop experience in management of STDs, including recognition of common genitourinary syndromes, and diagnosis and treatment, education and prevention of these infections
- Obtain exposure to communicable disease management at a local health department

**First Health Moore Regional Hospital (5 weeks):**
- Learn how to provide “first line” ID care in a community hospital
• Manage patients receiving out-patient antibiotics
• Receive focused training on infections in the elderly, with further emphasis on infected joint replacement.

Clinical Microbiology Laboratory (2 weeks):
Through a combination of didactic lectures and hands on experience at the various laboratory stations: including bacteriology mycology and mycobacteriology, parasitology, virology and serology throughout the year, fellows learn how to identify various infectious diseases pathogens and conduct resistance studies.
• Learn culture and identification techniques in bacteriology, mycology and mycobacteriology,
• Learn identification techniques in parasitology
• Learn how to perform serology assays and PCR to identify pathogens
• Learn how to perform antibiotic resistance assays for viruses, fungi and bacteria

Hospital Epidemiology (1 week): All fellows are required either to take the UNC Statewide Program for Infection Control and Epidemiology course which is a 5 day course offered twice per year for free (www.unc.edu/depts/spice/ or spice@unc.edu) or the online course offered by the Society for Healthcare Epidemiology of America (www.iccourse.org) which consists of a pre-test, 12.5 hours of lectures and a post test. The fee will be paid by the ID Division.
• Learn how to conduct an investigation of an outbreak
• Learn what are the current reporting guidelines
• Learn what the guidelines are for handling various contagious diseases including resistant bacteria, tuberculosis, C difficile, chicken pox and bacterial and viral meningitis

Bone Marrow Transplant/Leukemia/Lymphoma Service - Optional (3 weeks* – replaces 3 weeks Durham County Health Department):
• Understand the diagnosis, time course, treatment, prevention and management of infectious complications of allograft recipients
• Understand the diagnosis, time course, treatment, prevention and management of infectious complications of patients with leukemia/lymphoma.

Infectious Diseases Clinic (1/2 day per week x 2 years; NOTE: UNC has permission for fellows to complete their final 6 months of continuity clinic in Malawi):
• Manage continuous care of 50-100 HIV patients per year and become familiar with HAART;
• Learn ACP guidelines for adult vaccination and immunization and apply them
• Manage patients receiving out-patient antibiotics
• Provide necessary care to consult patients requiring on-going follow-up
• See new outpatient consults across all specialties including those with post-op wound infections, joint infections, and fever of unknown origin.

In-Service Exam: All fellows are required to take the IDSA administered in-service exam annually in the spring until they pass their boards. The fee is paid for by the ID Division.

Training Support
The UNC ID trainees are supported from a variety of revenue streams, including clinical income, hospital contracts and individual research grants and contracts. The most significant source of funding, however, are NIH training grants, which are organized programs designed to help trainees develop as independent investigators.

• UNC-NIH Pathogenesis Training Program in Infectious Diseases (Director, David Margolis, four postdoctoral positions): This training grant is now in its 32nd year of funding. MD and PhD trainees are guided by a mentor in the broad fields of laboratory-based microbial pathogenesis and epidemiology studies. This program provides research training in molecular and epidemiological processes critical to microbial and viral pathogenesis.
• UNC-NIH STD and HIV Training Program (Director, William Miller, six predoctoral positions, four postdoctoral positions): This program provides trainees with research opportunities in the broad area of STDs and HIV/AIDS. Training includes basic laboratory, epidemiologic and health behaviors research. This training grant is in its 33rd year of funding. MD and PhD trainees and predoctoral students interested in STD research are guided by a mentor and an advisory committee.

• UNC-NIH Immunology Training Program (Director, Jeffery Frelinger, two predoctoral positions, two postdoctoral positions): This program focuses on training in molecular immunology. The immunology training grant provides support to pre and postdoctoral fellows interested in basic research in host defenses.

• UNC-NIH Virology Training Program (Director, Ron Swanstrom, four predoctoral positions): This program focuses on training in molecular virology.

• NIH AIDS International Training and Research Program (Director, Ada Adimora, positions vary): This program is designed to provide basic and epidemiological research skills in STD/HIV prevention for selected international scholars from the People’s Republic of China, Cameroon and Malawi. This program supports in-country research and training with UNC faculty in Chapel Hill.

• ID-Pharmacy Partnership (Director, M.S. Cohen, Chair Anti-Infectives Committee, David Weber, one position): Effective utilization of antimicrobial therapy is critical to the health of UNC Hospitals. Accordingly, the Pharmacy Program supports an infectious diseases fellow interested in antimicrobial therapy and research. This program collaborates with Hospital Epidemiology (Infection Control).

• Clinical Research Curriculum (NIH HL04127-01): UNC was one of the initial recipients of the NIH K30 Clinical Research Curriculum award. The Clinical Research Curriculum provides an in-depth, two-year training program for a group of 8-10 trainees, each of whom is committed to a career as a clinical investigator. A major goal for each trainee is to develop appropriate grant funding such as a K23 or, in some cases, an R01. The clinical research methods include patient-oriented, epidemiologic- and population-based and outcomes-oriented health services.

Courses and Conferences

Formal education is an important part of the Infectious Diseases Fellowship program. Such education includes faculty-led and participatory conferences, seminars and a variety of courses.

Courses: All postdoctoral fellows are required to participate in two courses when they arrive in July: *Introduction to Clinical Research Methods* and *Responsible Conduct in Research* (when available). The courses are sponsored by the General Clinical Research Center under the direction of Dr. David Weber (Epidemiology, Medicine, Pediatrics) and the UNC Institutional Review Board (IRB). Led by faculty drawn from all of the health sciences schools, *Introduction to Clinical Research Methods* consists of five three-and-a-half hour lectures and seminars. In the course, students will become acquainted with basic concepts in research, including study design (case-control, cohort, randomized clinical trials), use of diagnostic tests, basic statistics, advanced concepts (meta-analysis, questionnaire design, bias and confounding), accessing UNC databases, applying for an NIH grant, hypothesis testing and designing a research question. Study materials include reprints of a series of relevant articles and the textbook *Designing Clinical Research*, 2nd Edition (Philadelphia: Lippincott, Williams, and Wilkins, 2001).

*Responsible Conduct of Research* is designed to meet and exceed all NIH requirements for teaching scientific ethics and covers the following topics: maintaining data properly, fraud and plagiarism, ethical use of humans and animals in research, monitoring clinical trials, RAC requirements, proper protocol for using biological/chemical agents that could be used for terrorism, handling complaints of misconduct, conflicts of interest, protecting patenting rights, and conducting HIPAA-compliant research. Students will watch a film on the Tuskegee experiment in conjunction with a discussion of the history and evolution of ethical principals, learn about the IRB process, the use of normal research subjects, prisoners as research subjects and children as research subjects, data and safety monitoring in clinical trials, and community based research. New trainees are also required to attend instruction sessions led by the chairpersons of the university's
Institutional Animal Care and Use Committee (IACUC) and IRB. Federal guidelines and the obligations of investigators are reviewed in detail. All trainees must pass the tests required for NIH supported research, and these results are kept on file in the UNC Office of Scientific Research.

Conferences: Weekly conferences in the Department of Medicine include a Clinical Pathology Conference and Grand Rounds (Thursdays, 12:00PM). Infectious Diseases conferences include: the Case Management Conference (Wednesdays, 8:30 AM), the Center for Infectious Diseases Conference (Fridays, 8:30 AM) and the Core Curriculum for ID Fellows (Fridays, 9:30 AM). The Case Management Conference is a structured discussion of cases seen by the consult service and on the ID ward and is presented as an "unknown" that is discussed first by a fellow, then by a faculty member. The conference is attended by all the clinicians in the ID Division. The Center for Infectious Diseases holds a weekly conference for the entire community. This conference has become an important interdisciplinary venue and a place to host international visitors. It is attended by Center members from many departments and disciplines. There is also a monthly journal club for ID fellows and faculty.

Training Tracks

The UNC ID Fellowship Program is designed to train postdoctoral fellows such that they can succeed as independent investigators at academic medical centers. Although the current requirements for Board Certification entail one year of clinical training and one year of research training, it has been our experience that this is not sufficient research experience for a successful career. At UNC, fellows choose a career track best suited to their long-range goals and work directly with one or more faculty mentors. Our list of mentors is not limited to ID clinical faculty. In addition, courses in grant writing and career development given by the School of Medicine are available for trainees. Established tracks include:

- **Pathogenesis of Infectious Diseases:** Trainees choose a research mentor from within the Infectious Diseases Division or from the extended faculty (see below) and work under his/her direction to receive training in basic scientific research. The available labs focus on a diverse number of agents including bacteria, viruses, parasites and immunology. Recent trainees have worked in the laboratories of Steve Meshnick (malaria), David Margolis and Ron Swanstrom (HIV), Jenny Ting (innate immunity), Mark Heise (SARS vaccine), and Ralph Baric (Dengue).

- **Epidemiology and Public Health:** Many fellows wish to pursue a career in public health. UNC has the highest-rated publicly funded school of public health in the United States and offers an MPH in several disciplines, including epidemiology. The MPH degree may be obtained with one or two years of course work and a thesis but it must not interfere with the continuity clinic. This curriculum provides rigorous training for clinical research. The School of Public Health has an Infectious Diseases Program in the Epidemiology Division (Director, Steven Meshnick) with joint faculty in the School of Medicine Infectious Diseases Division. Fellows who choose this path can also receive training in hospital epidemiology and may choose to become board eligible in preventive medicine. Recent fellows have worked with Annelies van Rie on tuberculosis, Audrey Pettifor on behavioral interventions in South Africa, Carol Golin on HIV secondary prevention and adherence, and Ada Adimora on sexual network patterns and HIV transmission.

- **Masters Degree in Clinical Science:** A new degree program form the Department of Epidemiology will offer training geared to health professionals committed to clinical research and clinical trials (Director, William Miller).

- **Clinical Research:** UNC faculty and trainees are involved in both domestic and international clinical research. Trainees can participate in a formal NIH-supported K30 Program in Clinical Research (Director, Dr. David Ransohoff). Recent fellows have worked with Becky White, Joseph Eron, and David Wohl on HIV clinical drug trials, methamphetamine use and HIV transmission, acute HIV infection, and studies on the role of prisoners in transmission, among others.

- **International STD/HIV Research:** Selected trainees may chose to undertake research work in Malawi at the UNC-Project or UNC research sites in other countries after they complete their required clinical work in Chapel Hill. After completing their in-patient rotations and 18 months of continuity clinic, fellows
may complete the final 6 months of clinic in Malawi while pursuing a research project. Recent fellows have worked with Myron Cohen and Irving Hoffman on HIV and STDs and Dr. van der Horst on prevention of mother to child transmission of HIV through breast milk.

- **Tropical Diseases Research:** With a large grant from the Bill and Melinda Gates Foundation Richard Tidwell PhD has established a consortium of institutions around the globe based in the UNC Center for Translational Research. Current research focuses on drug development, clinical drug trials and disease burden epidemiology for malaria, leishmaniasis and trypanosomiasis. Recent fellows have worked with Dr. Meshnick on malaria and trypanosomiasis.

- **Emerging Infections and Biodefense Research:** Fred Sparling is Director of the Southeast Center of Excellence for Emerging Infections and Biodefense (www.serceb.org). Mentors include those who work on laboratory pathogenesis (Jenny Ting, Mark Heise, Robert Johnston, Miriam Braunstein, Aravinda daSilva, Bill Goldman, Virginia Miller, Ralph Baric, Tom Kawula, Jeff Frelinger) and those working in Epidemiology and Public Health (William Miller, Annelies van Rie). This program has a career development program for clinical investigators interested in emerging ID or international ID defined as influenza, dengue, SARS or possible Biodefense and Emerging Infectious agents, categories A-C. This program is aimed at support for senior post-doctoral fellows (at least three years experience) or junior faculty who are in the process of transitioning to faculty status.

- **Clinical Microbiology:** The Microbiology Laboratory at UNC Hospitals is accredited to provide formal training to potential laboratory directors through a structured two-year program.
Research Programs

The UNC AIDS Clinical Trials Unit (ACTU): Continuously funded since 1987, the UNC ACTU is the leading unit in the country in terms of study accrual and enrollment of women and African-Americans. Faculty in the UNC ACTU have published landmark papers on the treatment of HIV and its opportunistic infections. As participants in group committees and study teams, trainees will have comprehensive exposure to all aspects of clinical research, including the drafting of IRB applications, preparation of informed consent documents, subject recruitment strategy, enrollment and follow-up of study participants, adverse event detection and good clinical practice. Faculty mentors include Drs. Eron, Fiscus, Kashuba, Margolis, Patterson, van der Horst and Wohl.

UNC HIV Prevention Trials Network: UNC has joined with Johns Hopkins University to examine strategies for HIV prevention in Malawi, as part of a larger study involving twenty-four other sites worldwide. The UNC research clinic is in Lilongwe, Malawi and has more than 300 employees. Faculty mentors include Drs. Chilongozi, Cohen, Fiscus, Hoffman, Hosseinipour, Kazembe and Martinson.

UNC Center for AIDS Research: UNC is one of eighteen NIH Centers for AIDS Research. The CFAR has clinical, behavioral, immunological, pharmacological, statistical, virologic, international, developmental and administrative cores to support HIV research. Developmental awards to fun collection of preliminary data for future grant applications are awarded annually. Faculty mentors include Drs. Cohen, Fiscus, Golin, Henderson, Kashuba, Schmitz, Strauss, Hudgens, Swanstrom, and van der Horst.

UNC-NIH STI/Topical Microbicide Cooperative Research Center: UNC is one of six NIH cooperative STI Centers. Research in this center focuses on classical STI pathogens including N. gonorrhoeae, H. ducreyi and T vaginalis. Disease prevention is a theme common to these research efforts, and several projects include behavioral and epidemiological aspects of STIs. Faculty mentors include Drs. Cohen, Elkins, Hobbs, Sparling, and Thomas.

NIH STI-Clinical Trials Group: UNC is a participating center for a national NIH STD research effort. This Program is a partnership between investigators at UNC and at University of Alabama-Birmingham, University of Washington-Seattle and Family Health International (Research Triangle Park, NC). The program allows rapid development of randomized clinical trials involving new STD diagnostics and therapies including vaccines, topical microbicides, and novel antibiotic utilization. Faculty members include Drs. Cohen, Seña-Soberano, Hobbs, Sparling, and Thomas.

The Statewide Program for Infection Control and Epidemiology (SPICE): SPICE is charged with investigating, preventing and controlling nosocomial infections in hospitals, long-term care facilities and other medical facilities in the state. Faculty include Rutala, Weber and K. Hoffman.

North Carolina Center for Public Health Preparedness (NCCPHP): The mission of NCCPHP is to help the public health workforce respond to bioterrorism and emerging health threats by assessing the competency of that workforce in core public health skills and bioterrorism preparedness, facilitating training and carrying out applied research on emerging health issues. Faculty mentors include Drs. Seña-Soberano, Swygard and Weber.

UNC Prison Working Group: The UNC ID Division provides clinical care for HIV-infected inmates in the North Carolina Department of Corrections. and the Prisons Working Group was created to develop research hypotheses and apply for grants, with the goal of understanding and ameliorating the impact of incarceration on access to care for STD/AIDS treatment as well as the spread of these diseases in minority communities in North Carolina. The group includes patient-oriented researchers, behavioral scientists, sociologists, virologists and state public health officials. Faculty mentors include Drs. Golin, White and Wohl.

South East Regional Center of Excellence in Biodefense and Emerging Infections: This large grant ($10 million annually) funds a consortium of investigators at UNC, Duke University and many other collaborating institutions throughout the southeast. Dr. Sparling is principal investigator. Faculty mentors at UNC include Drs. Sparling, Johnston, Davis, Ting, Baric, Heise, Kawula, de Silva, Goldman and Frelinger.

Collaborative HIV/ AIDS Vaccine Initiative (CHAVI): This is the largest NIH initiative to create a consortium of investigators in search of a vaccine for HIV and is led by Dr. Bart Haynes at Duke, in partnership with a number of other
universities, including UNC, which has projects in North Carolina, South Africa, Uganda, Tanzania and Malawi. Faculty mentors include Drs. Anderson, Cohen, Gay, Margolis and Swanstrom.

**Acute HIV Initiative:** UNC faculty pioneered the development and promulgation of a technique to cheaply identify patients recently infected with HIV. This has lead to a statewide program in North Carolina and at UNC Hospitals, as well as several other states in the US and around the globe. Investigators study the virology, immune response, treatment and behavior of patients recently infected with HIV and design strategies to interrupt transmission. Investigators include Drs. Cohen, Eron, Fiscus, Gay, Hightow-Weidman, Leone, and Margolis.

**Maternal and Child Transmission of HIV Group:** A number of faculty are interested in examining the mechanisms of and methods to interrupt HIV transmission with ongoing research and care programs in Lilongwe and Blantyre, Malawi, St. Petersburg, Russia and Kinshasa, Democratic Republic of Congo. Faculty mentors include Drs. Behets, van Rie, Fiscus, Hosseinipour, Hoffman, Kazembe, Martinson, Meshnick and van der Horst.

**HIV Secondary Prevention Working Group:** This group emerged from the observation that patients with established HIV infection may contribute greatly to the epidemic, and the sexual and other risky behavior of UNC clinic patients is the subject of intense study. UNC has received support from NIH, CDC and HRSA to develop innovative strategies for secondary transmission prevention. Investigators in this group study methods to prevent both primary and secondary HIV transmission. Faculty mentors include Cohen, Golin, Hightow-Weidman, Leone and Quinlivan.

**Tuberculosis:** UNC has a number of activities looking at clinical, epidemiologic and basic science aspects of TB. Dr. van Rie has several TB projects in the DRC and South Africa. Dr. Braunstein has an active laboratory examining molecular aspects of Mycobacterium tuberculosis and Dr. van der Horst has a training grant for TB research in South Africa. There are opportunities for epidemiologic studies involving active TB and latent TB infections with Dr. Sena at the Durham County Health Department.
UNC Hospitals Infectious Diseases Consult Service: Faculty and fellows are responsible for consultations on medical and surgical patients in this 650 bed facility which serves as a referral center for much of North Carolina. The ID team includes two fellows, two or three postgraduate residents, three fourth-year medical students, and one or two pharmacy doctoral candidates. The group sees and discusses patients with an Infectious Diseases faculty member and a pharmacologist six days a week. Seventy to 100 new consults are seen in an average month, and approximately 20 patients are actively followed. The range of infections seen is diverse, including classical medical and surgical problems, new HIV diagnoses among patients presenting with AIDS-defining illnesses and a wide range of infections in compromised hosts. The hospital has busy transplant services in heart, lung, liver, kidney and bone marrow. Fungal and mycobacterial infections are also commonly encountered.

UNC Hospitals Bone Marrow Transplant Unit and Leukemia/Lymphoma Service: The ID Division provides consultation to these units. The BMT Unit is a 12 bed unit with 100 transplants performed each year of which 40 are allograft transplants with many infectious complications. In addition, the Medicine E Service is a 20 bed ward on which there are 4 patients with acute leukemia being treated at any one time with a large number of infectious complications. The ID Fellow will see all of these patients in conjunction with an ID Faculty member and make recommendations to the Hematology team following the patients.

UNC Hospitals Infectious Diseases Ward: The Infectious Diseases Division supervises an inpatient ward with an average of ten to fifteen patients, seven to eight with AIDS. The ID Fellow does not rotate on this service but third and fourth year fellows may act as the supervising attending, if desired.

UNC Infectious Diseases Clinic: Outpatient medicine is a critical infectious diseases activity, and the Infectious Diseases Clinic meets five days each week in a large and modern facility in UNC Hospitals. The clinic provides care for nearly 1600 patients with HIV. A variety of outpatient infectious diseases are evaluated by the consult service, and the clinic provides vaccines and advice for travelers.

Durham County Health Department: UNC faculty provides all ID medical services at Durham County Health Department. The Durham County STD Clinic sees thirty clients per day. UNC STD clinical research and HIV testing studies are also conducted at this site. The TB Clinic evaluates and manages 10-20 suspected and confirmed active TB cases per year. The ID Fellow can also become involved in communicable disease outbreak investigation in the community as they arise.

First Health Moore Regional Hospital ID Service: First Health is a 400 bed county hospital where faculty members provide all consultative care. Patients manifest problems across the spectrum of the curriculum, with emphasis on problems in patients of advanced age, since Pinehurst is a retirement community. A large number of patients undergo joint replacement and other surgical procedures. Therefore, post-operative infections comprise a significant proportion of ID consults at this hospital.

North Carolina Department of Corrections Infectious Diseases Service: UNC ID faculty provides general consultative services and HIV care to a prison population of 1200. Several research projects complement these clinical activities and are available to interested trainees.

Wake County Health Department: UNC faculty supervises STD and HIV care at this facility. The STD clinic sees more than fifty clients per day. The HIV clinic manages 900 patients, most of whom require ART. STD and HIV research is conducted at this site, with a special emphasis on HIV in women (ACTU sub-unit).

Robeson County Health Department: UNC faculty supervises the treatment of HIV patients in this county. Approximately 150 patients are currently being followed.

IntraHealth International: Through its contract with IntraHealth International, UNC contributes clinical and technical assistance to health care services around the globe. IntraHealth provides programs that support primary care providers and community groups in offering quality health care in developing countries, and UNC faculty has worked with them on developing and implementing projects, including community- and health center-based ART; PMTCT; malaria, TB and
STD treatment; family planning and obstetrical care and primary adult medical care. IntraHealth and UNC also provide assistance in revising national policies and guidelines, among them, those for STD, ARV and PMTCT and health care workforce training. UNC works with IntraHealth on projects in Rwanda, Ethiopia, Armenia, India, Kenya and Senegal.

The UNC Project-Malawi: UNC faculty began work in Malawi in 1989. The program has now grown to 300 employees and includes dedicated research buildings, state-of-the-art laboratories, high-speed internet connections, a medical library and full-time UNC faculty (Mina Hosseinipour, MD, MPH, Francis Martinson, MD, PhD, David Chilongozi, MD, MPH). Research activities are supported by the NIH, CDC, Doris Duke Foundation and USAID. The UNC Project has an STD clinic that sees one hundred patients per day, an HIV clinic providing ART for nearly a thousand African patients and four antenatal clinics providing 20,000 pregnant women with antenatal care and annual HIV testing. The clinic in Lilongwe is a key research site for the International ACTG and the HIV Prevention Trials Network.
Clinical Faculty of the Division of Infectious Diseases

The Infectious Diseases faculty includes clinicians, scientists and research faculty. A large number of affiliated faculty from the disciplines of microbiology and public health participate in research and educational programs.

**Professors**

**Adaora Adimora, MD, MPH:** Professor of Medicine and Epidemiology  
Director, UNC AIDS International Training & Research Program  
Medical School: Yale University School of Medicine  
Graduate School: University of North Carolina, MPH, Epidemiology  
Residency: Boston City Hospital  
Fellowship: Albert Einstein College of Medicine – Montefiore Medical Center  
Research Activities: Epidemiology of STDs and HIV in women and minorities

**Myron S. Cohen, MD:** Associate Vice Chancellor for Global Health  
J. Herbert Bate Distinguished Professor of Medicine, Microbiology and Immunology  
Chief, Division of Infectious Diseases  
Director, Institute for Global Health & Infectious Diseases  
Medical School: Rush Medical College  
Residency: University of Michigan  
Fellowship: Yale University  
Research Activities: HIV-STD interactions, prevention of transmission of STDs including HIV

**Joseph Eron, MD:** Professor of Medicine  
Director, AIDS Clinical Trials Unit  
Director, Center for AIDS Research Clinical Core  
Medical School: Harvard Medical School  
Residency: Massachusetts General Hospital  
Fellowship: Massachusetts General Hospital  
Research Activities: Antiretroviral therapy

**Peter Kazembe, MD:** Adjunct Professor of Medicine  
Director, Baylor International Pediatric Program, Lilongwe, Malawi  
Medical School: University of Manchester  
Residency and Fellowship: Toronto Sick Children  
Research Activities: Pediatric antiretroviral therapy and treatment of malaria

**David Margolis, MD:** Professor of Medicine, Microbiology and Immunology  
Medical School: Tufts School of Medicine  
Residency: Tufts-New England Medical Center  
Fellowship: NIAID and University of Massachusetts  
Research Activities: HIV molecular biology and virology, latency and persistence of HIV infection, antiretroviral therapy and clinical/translational investigation.

**Joseph S. Pagano, MD:** Lineberger Professor of Cancer Research, Professor of Medicine, Microbiology and Immunology  
Director (Emeritus), Lineberger Cancer Research Center  
Medical School: Yale University  
Residency: Peter Bent Brigham School  
Fellowship: Karolinska Institute, Stockholm, Sweden, and Wistar Institute, Philadelphia, PA  
Research Activities: Epstein-Barr virus (EBV)

**Jonathan Serody, MD:** Professor of Medicine, Infectious Diseases and Hematology  
Medical School: University of Virginia Medical School  
Residency: University of North Carolina at Chapel Hill  
Fellowship: University of North Carolina at Chapel Hill  
Research Activities: Activation and recruitment of T-cells to inflammatory foci, bone marrow transplant

**P. Frederick Sparling, MD:** Professor of Medicine, Microbiology and Immunology  
Chair Emeritus of Department of Medicine, and Department of Microbiology and Immunology, UNC; Medical School: Harvard Medical School  
Residency: Massachusetts General Hospital  
Fellowship: Harvard Medical School, Massachusetts General Hospital  
Research Activities: Genetics, biochemistry and immunology of the gonococcal and meningococcal cell surface; emerging infections and biodefense
Charles van der Horst, MD: Professor of Medicine
Associate Director, Division of Infectious Diseases
Director, Infectious Diseases Fellowship Program
Medical School: Harvard Medical School
Residency: Montefiore Medical Center
Fellowship: University of North Carolina at Chapel Hill
Research Activities: HIV in Africa, prevention of mother to child transmission of HIV

David J. Weber, MD, MPH: Professor of Medicine,
Pediatrics and Epidemiology
Medical Director, Hospital Epidemiology and Occupational Health Service
Epidemiologist and Research Subject Advocate, GCRC
Medical School: University of California, San Diego
Graduate School: Harvard University, MPH
Residency: Massachusetts General Hospital
Fellowship: Massachusetts General Hospital
Research Activities: Epidemiology of healthcare-associated infection, new and emerging diseases, TB, infections in day care centers

Associate Professors

Irving Hoffman, PA, MPH: Associate Professor of Medicine
Director, International Operations
Graduate School: University of North Carolina, MPH;
Duke University, PA
Research Activities: STD therapy in developing countries, STD health care, administration and policy

Mina C. Hosseinipour, MD: Associate Professor of Medicine
Medical Director, UNC Project Malawi
Medical School: Northwestern University Medical School
Residency: Baylor College of Medicine Affiliated Hospitals
Fellowship: University of North Carolina
Research Activities: AIDS in Africa

Peter Leone, MD: Associate Professor of Medicine
Medical Director for HIV/STD Prevention and Care, North Carolina DHHS
Medical School: Northeastern Ohio Universities College of Medicine
Residency: Akron City Hospital
Fellowship: Bowman Gray School of Medicine
Research Activities: Diagnosis and treatment of STDs

William Miller, MD, PhD, MPH: Associate Professor of Medicine and Epidemiology
Medical School: Johns Hopkins University
Graduate School: Princeton, PhD,
Neurobiology;University of North Carolina, MPH,
Epidemiology
Residency: University of Maryland
Fellowship: Duke University
Research Activities: STDs, HIV infection and epidemiological methods

Francis Martinson, MD, PhD: Associate Professor of Medicine
Director, UNC Project, Lilongwe, Malawi
Medical School: University of Ghana Medical School
Graduate School: University of North Carolina, PhD,
Epidemiology
Research Activities: HIV in Africa, prevention of mother to child transmission of HIV

Evelyn Byrd Quinlivan, MD: Associate Professor of Medicine
Director, Infectious Diseases Clinic
Medical School: Duke University
Residency: North Carolina Memorial Hospital, Chapel Hill, NC
Fellowship: University of North Carolina
Research Activities: Outpatient HIV program evaluation, behavioral interventions

Arlene Seña-Soberano, MD, MPH: Associate Professor of Medicine
Medical Director, Durham County Health Department
Medical School: The Robert Wood Johnson Medical School
Residency: Duke University
Fellowship: University of North Carolina at Chapel Hill
Research Activities: Sexually transmitted infections and communicable diseases

David A. Wohl, MD: Associate Professor of Medicine
Associate Director, UNC AIDS Clinical Trials Unit
Medical School: The Robert Wood Johnson Medical School
Residency: Duke University
Fellowship: University of North Carolina
Research Activities: Metabolic complications of HIV, antiretroviral therapy, and HIV and incarceration.
**Assistant Professors**

**Jeffrey Anderson, MD, PhD:** Assistant Professor of Medicine  
Medical School: West Virginia University  
Residency: University of Michigan  
Fellowship: University of North Carolina  
Research Activities: HIV pathogenesis, HIV acute infection

**Joseph Alex Duncan, MD, PhD:** Assistant Professor of Medicine  
Medical School: University of Texas Southwestern  
Residency: University of North Carolina Hospitals  
Fellowship: University of North Carolina at Chapel Hill  
Research Activities: Molecular mechanisms in innate immune system signaling and role of innate immunity in sexually transmitted diseases

**Michelle Floris-Moore, MD, MS:** Assistant Professor of Medicine and Epidemiology  
Medical School: Cornell  
MS: Albert Einstein College of Medicine  
Residency: Cornell New York Hospital  
Fellowship: Albert Einstein College of Medicine  
Research Activities: Metabolic and cardiovascular complications of AIDS

**Cynthia Gay, MD, MPH:** Assistant Professor of Medicine  
Medical School: University of North Carolina  
Residency: Vanderbilt University  
Fellowship: University of North Carolina  
Research Activities: Acute HIV, Access to HIV care

**Lisa Hightow-Weidman, MD:** Assistant Professor of Medicine  
Medical School: University of Virginia  
Residency: Stanford University  
Fellowship: University of North Carolina  
Research Activities: Acute HIV, HIV prevention among adolescents, African Americans and men who have sex with men, linkage and engagement in care for HIV-infected clients

**Jaspaul Jawanda, MD:** Assistant Professor of Medicine  
Medical School: University of Michigan  
Residency: University of North Carolina  
Fellowship: University of North Carolina  
Research Activities: Clinical infectious diseases, infection control, prosthetic device-associated infections

**Jonathan Juliano, MD:** Assistant Professor of Medicine  
Medical School: University of North Carolina  
Residency: University of Minnesota  
Fellowship: University of North Carolina at Chapel Hill  
Research Activities: Malaria drug resistance, diversity and population evolution.

**Kristine Patterson, MD:** Assistant Professor of Medicine  
Director, Wake County STD and HIV Clinics  
Medical School: Emory University  
Residency: University of Texas Galveston  
Fellowship: University of North Carolina at Chapel Hill  
Research Activities: HIV-infected women: pregnancy through menopause; pharmacokinetics of ART in the genital tract.

**Heidi Swygard, MD:** Assistant Professor of Medicine  
Director, Durham County STD Clinic  
Medical School: Indiana University School of Medicine  
Graduate School: University of North Carolina  
Fellowship: University of North Carolina  
Research Activities: Sexually Transmitted Diseases

**Becky White, MD:** Assistant Professor of Medicine  
Director, STD/HIV Program Services, Central and Women’s Prison  
Medical School: University of Virginia  
Residency: Medical College of Virginia  
Fellowship: University of North Carolina at Chapel Hill  
Research Activities: Prevention and treatment of HIV in incarcerated person

**Research Faculty of the Division of Infectious Diseases**

**Ching-Ju Chen, PhD,** Assistant Professor of Medicine

**Shailesh Choudhary, PhD,** Instructor of Medicine

**Irene Doherty, PhD,** Research Assistant Professor of Medicine (Social and behavioral determinants of STIs, HIV, and unintended pregnancy; Sexual network analysis; Adolescent reproductive health; Heterosexual HIV transmission among
African Americans; HIV and syphilis transmission among men who have sex with men in early adulthood; Mathematical modeling; Epidemiology; Venue-based sampling and recruitment

**J. Victor Garcia-Martinez, PhD**: Professor of Medicine. Humanized mice, retrovirology, AIDS, stem cell biology and human gene therapy.

**Gail Henderson, PhD**, Professor of Social Medicine, Director, Center For AIDS Research International Core (Health and inequality, health and health care in China, and research ethics)

**Karen Hoffman, RN, MPH**, Instructor in Medicine, Associate-Director, UNC Statewide Infection Control Program.

**Sonia Napravnik, PhD**, Assistant Professor of Medicine

**William Rutala, PhD**, Professor of Medicine, Director, UNC Hospitals Infection Control and Occupational Health (Environmental disinfection, management of hazardous waste).

**Chris Thomas, PhD**, Assistant Professor of Medicine (Gonococcal vaccines)

**Kathleen Van Damme, MD**, Research Assistant Professor of Medicine (The UNC Project-Madagascar)

**Epidemiology Faculty** (located in the School of Public Health)

**Frieda Behets, MPH**, Associate Professor of Medicine and Epidemiology, Director, CDC-UNC GAP Program and UNC-IMPACT (STD therapy in developing countries, microbiology of STD syndromes).

**Willard (Ward) Cates, MD, MPH**, Professor of Epidemiology, President, Family Health International (STD Prevention)

**Steven Cole, PhD**, Associate Professor of Epidemiology (HIV, Causal inference, Longitudinal and survival data analysis, Missing data)

**Michelle Floris-Moore, MD, MS**, Assistant Professor of Epidemiology & Population Health and Medicine (Metabolic and cardiovascular complications of HIV) See Clinical Faculty

**Steven Meshnick, MD, PhD**, Professor of Epidemiology and Microbiology (Malaria, trypanosomiasis and HIV in Africa)

**William Miller, MD, PhD**, Associate Professor of Medicine and Epidemiology (STDS and HIV, see Clinical Faculty Section)

**Audrey Pettifor, PhD**, Assistant Professor of Epidemiology (Adolescents, STDs, HIV, Africa)

**Victor Schoenbach, PhD**, Associate Professor, (STDs and HIV, behavioral epidemiology)

**James Thomas, PhD**, Professor, (STD/HIV epidemiology)

**Annalies van Rie, MD, PhD**, Assistant Professor of Epidemiology (Tuberculosis)

**David Weber, MD, MPH**, Professor of Medicine and Epidemiology, Medical Director of Hospital Epidemiology and Occupational Health, UNC Health Care System (Outbreak investigations) See Clinical Faculty

**UNC Microbiology and Immunology**

**Ralph Baric, PhD**, Assistant Professor, (Coronaviruses and diarrheal diseases)

**Miriam Braunstein, PhD**, Assistant Professor of Microbiology (Mycobacteria)

**Janne Cannon, PhD**, Professor of Microbiology and Immunology (Pathogenic Neisseriae)
Blossom Damania, PhD, Associate Professor of Microbiology and Immunology (AIDS-associated malignancies, KSHV)

Aravinda DeSilva, PhD, MPH Assistant Professor of Microbiology and Epidemiology (Vector borne diseases)

Dirk Dittmer, PhD, Associate Professor of Microbiology and Epidemiology

Christopher Elkins, PhD, Associate Professor of Medicine and Microbiology (Heme/iron acquisition systems of H. ducreyi, the etiologic agent of chancroid.

Susan Fiscus, PhD, Professor of Microbiology and Immunology; Director, Retrovirology Core Lab (HIV diagnostics and mother to child transmission of HIV)

Jeffery Frelinger, PhD, Kenan Professor, Department of Microbiology and Immunology (lymphocyte biology)

Peter Gilligan, PhD, Professor of Pathology and Microbiology, Director of Clinical Microbiology

William Goldman, PhD, Professor and Chair, Department of Microbiology and Immunology (Pathogenesis of bacterial and fungal infections of the respiratory tract: histoplasmosis, pneumonic plague, and pertussis)

Marcia Hobbs, PhD, Associate Professor of Medicine and Microbiology (N. gonorrhea pathogenesis and H. ducreyi research).

Eng-Shang Huang, PhD, Professor of Medicine, Microbiology and Immunology (Molecular biology of cytomegalovirus and CMV interactions with HIV).

Robert Johnston, PhD, Professor of Microbiology and Immunology, Director Carolina Vaccine Center (Alphavirus vaccine vectors)

Steven Meshnick, MD, PhD Professor of Epidemiology and Microbiology (Malaria and HIV in Africa)

Virginia Miller, PhD, Professor of Microbiology and Immunology, Assoc Dean for Research (molecular genetic analysis of virulence of Yersinia pestis, Yersinia enterocolitica and Klebsiella; virulence gene regulation)

John Newbold, PhD, Professor of Microbiology and Immunology (hepatitis viruses)

Nancy Raab-Traub, PhD, Professor of Microbiology and Immunology (EBV)

John Schmitz, PhD, Associate Professor of Pathology and Microbiology; Director, of Clinical Immunology

Lishan Su, PhD, Associate Professor of Microbiology, (HIV pathogenesis)

Jennie Ting, PhD Keenan Professor of Microbiology (Phagocyte biology)

Laura White, PhD, Assistant Professor of Microbiology and Immunology, Carolina Vaccine Institute (VEE and dengue, vaccine development)

**Affiliated Research Faculty (Training Grant Mentors)**

Albert Collier, MD, Professor of Pediatrics; Chief, Division of Pediatrics Infectious Diseases (Respiratory diseases)

Carol Golin, MD, MPH, Research Assistant Professor, Sheps Center, School of Public Health (HIV medication adherence)

Angela Kashuba, PharmD., Associate Professor, Division of Pharmacy Practice (Antiretroviral pharmacology)
Ralph Raasch, PhD, Associate Professor, School of Pharmacy (Clinical pharmacology)

Ron Swanstrom, PhD, Professor of Biochemistry, Director, UNC CFAR (HIV)

Richard Tidwell, PhD Professor of Pathology (Anti- protozoal drugs, clinical trials for African Trypansomiasis)

Jennifer Webster-Cyriaque, DDS. PhD (HHV8)

Health Policy and Administration (located in School of Public Health)

Andrea Biddle, PhD, Associate Professor (cost-effectiveness analysis of medical conditions including HIV)

Sally Stearns, PhD, Associate Professor (applied economic analysis and economic evaluation methods)

Harsha Thirumurthy, PhD, Assistant Professor of Health Economics (Applied micro-economics, Evaluating the impact of health interventions on individual behavior and economic outcomes in developing countries, linkages between health and economic outcomes)

Affiliated Area Health Education Infectious Diseases Faculty

Tim Lane, MD, Professor of Medicine, Chief, Internal Medicine Training Program, Moses Cone Hospital, Greensboro, N.C.

James Horton, MD, Clinical Professor of Medicine, Carolinas Medical Center, Charlotte, N.C.

Charles Schleupner, MD, Professor of Medicine, New Hanover Regional Medical Center, Wilmington, N.C.
Current MD Postdoctoral Trainees (Medical School, Residency)

Gretchen Arnoczy, MD (University of South Florida, UNC)
Natalie Bowman, MD, PhD (Columbia, Cambridge, Johns Hopkins University) – Starts 2010
Yvonne Carter, MD (University of Maryland, University of Maryland)
Ann Dennis, MD, MS (University of New Mexico, Brown)
Satish Gopal, MD, MPH (Duke, UNC, University of Michigan)
Laura Guderian, MD (Louisiana State University, Albert Einstein College of Medicine)
Jessica Lin, MD (Baylor, University of California-San Diego)
Christopher Lippincott, MD (University of Virginia, Ohio State University) – Starts 2010
William Messer, MD, PhD (UNC, UNC)
Victoria Mobley, MD, MPH (Duke University, Johns Hopkins University)
Chinwe Oraka, MD, MPH (University of Illinois-Chicago, Medical College of Wisconsin)
Michael Vinikoor, MD (Loyal University of Chicago, Rush University)

Clinical Postdoctoral Trainees 1980-Current

1980-1981
Peacock, James E., MD
Title and Current Location
Professor, Wake Forest School of Medicine
Shafer, William M., PhD
Professor, Emory School of Medicine
Sherertz, Robert J., MD
Professor, Chief of ID, Wake Forest School of Medicine
Sixbey, John, MD
Professor, Louisiana State University

1981-1982
Black, John R., MD
Clinical Professor, University of Indiana
Dandalides, Peter, MD
Medical Director, Cigna

1982-1983
Achtellik Henderson, Deirdre, MD
Title and Current Location
Professor, Wake Forest School of Medicine
van der Horst, Charles, MD
Professor, University of North Carolina

1983-1984
Britigan, Bradley, MD
Private practice, Concord, NH
Saviteer, Susan Mertz, MD

1984-1985
McKenna, William, MD
Private practice, Asheville, NC
Stapleton, Jack, MD
Professor, University of Iowa

1985-1986
Adams, John S., MD
Private practice, Knoxville, TN
Jenison, Steven, MD
HIV Director, New Mexico Health Dept.
Kenney, Shannon, MD
Distinguished Professor, University of Wisconsin

1986-1987
Brown, Edwin, MD
Private Practice, Raleigh, NC
Markovitz, David, MD
Professor, University of Michigan

1987-1988
Becherer, Paul, MD
Private practice, Raleigh, NC
Weber, Robert D., MD
Private practice, Colorado Springs, CO

1988-1989
Gutsch, David, MD
Associate Professor, University of Michigan
Hassett, Daniel J., PhD
Associate Professor, University of Cincinnati
Quinlivan, E. Byrd, MD
Associate Professor, University of North Carolina

1989-1990
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>Cohn, Susan, MD</td>
<td>Professor</td>
<td>University of Rochester, MN</td>
</tr>
<tr>
<td>Serody, Jonathan, MD</td>
<td>Professor</td>
<td>University of North Carolina</td>
</tr>
<tr>
<td>Shapiro, Daniel MD</td>
<td>Professor</td>
<td>Boston U. School of Medicine</td>
</tr>
<tr>
<td>Hamilton, Holli, MD</td>
<td>Director Clinical Research</td>
<td>DMID, NIH</td>
</tr>
<tr>
<td>Kaplan, Andrew, MD</td>
<td>Professor (deceased)</td>
<td>UNC</td>
</tr>
<tr>
<td>Walling, Dennis, MD</td>
<td>Professor</td>
<td>Univ. of Texas, Galveston, TX</td>
</tr>
<tr>
<td>Alston, Beverly, MD</td>
<td>Medical Officer</td>
<td>DAIDS, NIH</td>
</tr>
<tr>
<td>Wehbie, Robert, MD</td>
<td>Private Practice</td>
<td>Raleigh, NC</td>
</tr>
<tr>
<td>Cornelissen, Cynthia, PhD</td>
<td>Associate Professor</td>
<td>MCV</td>
</tr>
<tr>
<td>Elkins, Chris, PhD</td>
<td>Associate Professor</td>
<td>UNC</td>
</tr>
<tr>
<td>Isbey, Susan, MD</td>
<td>Private practice</td>
<td>Durham, NC</td>
</tr>
<tr>
<td>Kulwichit, Wanla, MD</td>
<td>Professor</td>
<td>Chulalongkorn University, Thailand</td>
</tr>
<tr>
<td>Vernazza, Pietro, MD</td>
<td>Professor</td>
<td>Institut für Klinische Mikrobiologie und Immunologie, Switzerland</td>
</tr>
<tr>
<td>Fox, Kimberly, MD</td>
<td>Director STD Surveillance</td>
<td>CDC</td>
</tr>
<tr>
<td>Gilliam, Bruce, MD</td>
<td>Associate Professor University of Maryland</td>
<td></td>
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<tr>
<td>Kelley, Meera, MD</td>
<td>VP, Quality Improvement</td>
<td>Wake Medical Center</td>
</tr>
<tr>
<td>Lee, Sabina, MD</td>
<td>Assistant Professor</td>
<td>Duke University</td>
</tr>
<tr>
<td>Wohl, David, MD</td>
<td>Associate Professor</td>
<td>UNC, Chapel Hill</td>
</tr>
<tr>
<td>Seña-Soberano, Arlene, MD</td>
<td>Associate Professor</td>
<td>UNC, Director, Durham County Health Department</td>
</tr>
<tr>
<td>White, Becky, MD</td>
<td>Assistant Professor</td>
<td>UNC, Director, Prison ID Services</td>
</tr>
<tr>
<td>Theodore, Dickens, MD</td>
<td>Investigator</td>
<td>GlaxoSmithKline</td>
</tr>
<tr>
<td>Blocker, Michael, MD</td>
<td>Private Practice</td>
<td>Burlington, NC</td>
</tr>
<tr>
<td>Edupuganti, Srilatha, MD</td>
<td>Assistant Professor</td>
<td>Emory University</td>
</tr>
<tr>
<td>Pilcher, Christopher, MD</td>
<td>Associate Professor</td>
<td>UCSF</td>
</tr>
<tr>
<td>Israel, Bruce, MD</td>
<td>Private Practice</td>
<td>Asheville, NC</td>
</tr>
<tr>
<td>Swygard, Heidi, MD</td>
<td>Assistant Professor</td>
<td>UNC</td>
</tr>
<tr>
<td>Ng-Cashin, Judith, MD</td>
<td>GlaxoSmithKline</td>
<td>RTP</td>
</tr>
<tr>
<td>Hosseinipour, Mina, MD</td>
<td>Associate Professor</td>
<td>UNC</td>
</tr>
<tr>
<td>Edozien, Anthony MD, MPH</td>
<td>Assistant Professor University of Maryland</td>
<td></td>
</tr>
<tr>
<td>Min, Sherene, MD</td>
<td>GlaxoSmithKline</td>
<td>RTP</td>
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<tr>
<td>Murata, Yoshihiko, MD, PhD</td>
<td>Assistant Professor University of Rochester</td>
<td>UNC</td>
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<tr>
<td>Patterson, Kristine, MD</td>
<td>Assistant Professor</td>
<td></td>
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<tr>
<td>Hightow-Weidman, Lisa, MD</td>
<td>Assistant Professor</td>
<td>UNC</td>
</tr>
<tr>
<td>Galvin, Shannon, MD</td>
<td>Assistant Professor</td>
<td>Northwestern</td>
</tr>
</tbody>
</table>
2002-2003
Jawanda, Jaspaul, MD
Assistant Professor, UNC
Hooshyar, Dina, MD
Psychiatry Fellow, Yale

2003-2004
Duncan, Joseph, MD, PhD
Assistant Professor, UNC
Gay, Cynthia, MD
Assistant Professor, UNC
Wong, Emily, MD
Assistant Clinical Professor, Albany Medical College

2004-2005
Anderson, Jeffrey MD, PhD
Assistant Professor, UNC
Bramson, Brian MD
Clinical Director, Lincoln Health Center, Durham, NC

2005-2006
Bowman, Mary Catherine MD, PhD
Assistant Professor, Florida State University
Juliano, Jon, MD, MScPH
Assistant Professor, UNC
Van Dam, Cornelius, MD
Clinical Assistant Professor, Moses Cone Hospital

2006-2007
Fitzgerald, David, MD
Clinical Assistant Professor, Moses Cone Hospital
Hurt, Christopher, MD
Instructor, UNC
Kammeyer, Joel, MD, MPH
Clinical Assistant Professor, Wake Medical Center

2007-2008
Guderian, Laura, MD
In training
Shaughnessy, Gretchen MD
In training
Carter, Yvonne MD
In training

2008-2009
Ann Dennis, MD, MS
In training
William Messer, MD, PhD
In training
Victoria Mobley, MD, MPH
In training

2009-2010
Jessica Lin, MD
In training
Satish Gopal, MD, MPH
In training
Chinwe Oraka, MD, MPH
In training

2010-2011
Natalie Bowman, MD, PhD
Starts 2010
Christopher Lippincott, MD
Starts 2010
Michael Vinikoor, MD
Starts 2010