

Fellowship Preceptors

Christine Walko, PharmD, BCOP Clinical Assistant Professor



Dr. Walko collaborates with Lineberger Comprehensive Cancer Center investigators on oncology research in translational pharmacology, Phase I/II trials, pharmacokinetics, and pharmacogenomics. She is a member of the Institute of

Pharmacogenomics and Individualized Therapy and directs the Clinical Pharmacology Lab in the North Carolina Cancer Hospital.

William Zamboni, PharmD, PhD Associate Professor of Pharmacy



Dr. Zamboni is associated with the Lineberger Comprehensive Cancer Center and Director of the GLP Analytical Facility. His research interests in translational studies of anticancer agents focus on the application of pharmacokinetic,

pharmacodynamic, and pharmacogenetic principles in the optimization of the chemotherapeutic treatment of cancer. He is also engaged in the development of liposomal and nanoparticle anticancer agents.

Fellowship Projects



Jai Patel, PharmD, is a first-year hematology/oncology fellow. His research is focused on pharmacogenetic pathways of anticancer drugs, and their impact on clinical outcomes. Through analysis of these outcomes, Dr. Patel hopes to gain assets that will aid in the

translation of pharmacogenetic research into clinical practice.

For program information, contact:

Chris Walko, PharmD
Clinical Assistant Professor of Pharmacy
UNC Eshelman School of Pharmacy
CB# 7569, Chapel Hill, NC 27599
Phone: 919-843-7673
E-mail: christine_walko@unc.edu

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UNC
ESHELMAN
SCHOOL OF PHARMACY

Academic Fellowships in Hematology & Oncology Pharmacotherapy



Sponsored by the

**UNC Eshelman
School of Pharmacy**

at the

**University of North Carolina
At Chapel Hill**

The Fellowship Program

This two- to three-year fellowship is intended to develop independent research skills for a career in academics. Fellows will have the opportunity to gain experience with clinical trials (phase I pharmacokinetic, nanoparticles, pharmacogenomic/individualized therapy), preclinical model systems (cell culture), analytical techniques (HPLC/MS) and molecular techniques (Westerns and PCR).

The fellow will be appointed as a clinical instructor in the Division of Pharmacotherapy and Experimental Therapeutics with some teaching opportunities in the Hematology/Oncology Pharmacotherapy and Advanced Oncology Elective Courses. The University of North Carolina at Chapel Hill is an NCI-certified comprehensive cancer center.

Application Requirements

Ideal candidates will have a PharmD from a U.S. school of pharmacy, and preference will be granted to applicants who have completed a residency. For detailed information on how to apply, visit <http://pharmacy.unc.edu/programs/fellowships/how-to-apply>.

Preliminary interviews may be arranged during the December 2011 ASHP Midyear Clinical Meeting in New Orleans, LA. Email fellowships@unc.edu for information.



Fellowship Activities

- Protocol development with IRB submission
- Data collection and analysis with pharmacokinetic and/or statistics programs including WinNonlin, ADAPT, and SAS
- Coursework in advanced statistics, computer analysis, and research design
- Presentation of data at national oncology meetings including AACR and ASCO in addition to manuscript preparation and submission
- Experience with grant preparation and submission

Professional Development

The fellowship prepares alumni for careers in academia and clinical research.



UNC Eshelman School of Pharmacy

The UNC Eshelman School of Pharmacy is one of five health-affairs schools on the Carolina campus, along with the Schools of Dentistry, Medicine, Nursing, and Public Health. The School benefits from close collaborations with many on-campus research programs, including the Lineberger Comprehensive Cancer Center and the Institute for Pharmacogenomics and Individualized Therapy. The School is consistently ranked as one of the top schools of pharmacy in the nation.

Lineberger Comprehensive Cancer

The UNC Lineberger Comprehensive Cancer Center has been a NCI designated cancer center since 1990. The North Carolina Cancer Hospital is the clinical home for the Cancer Center and provides 50 inpatient medical oncology and bone marrow transplant beds and 72 infusion stations, including a dedicated clinical trials unit and clinical pharmacology laboratory.

Division of Pharmacotherapy and Experimental Therapeutics

The Division educates students and practitioners in the optimal use of drugs to provide pharmaceutical care to individuals and communities; initiates and conducts research and scholarly activities that generate, integrate and disseminate new knowledge to optimize drug therapy and improve health outcomes for the benefit of patients and society; develops and maintains innovative practice models that strengthen education and research to enhance pharmaceutical care; and serves the profession of pharmacy, the School of Pharmacy, and the University through participation and leadership in local, state, and national organizations. A major focus of the Division is the education of clinician scientists.