

Kimlynn M. Ngo

Pharm.D. Candidate

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EDUCATION

The UNC Eshelman School of Pharmacy (UNC ESOP)

2018-Present

Pharm.D. Candidate

Cumulative GPA: 3.731/4.0

The University of North Carolina at Chapel Hill (UNC-Chapel Hill)

2014-2018

Chemistry B.S. with Distinction and Highest Honors, Biology B.S.

Cumulative GPA: 3.793/4.0

RESEARCH

Characterizing the Role of the N-terminal MH1 Domain of SMAD6 in BMP Signaling

Spring 2016-Spring 2018

Undergraduate Researcher | UNC-Chapel Hill | Victoria Bautch, Ph.D.

- Conducted biochemistry research focusing on characterizing the function of the N-terminal domain of SMAD6 in bone morphogenetic protein signaling (BMP).
- Performed plasmid transfections in human umbilical vein endothelial cells with generated plasmids containing specific promoter and coding sequences of the different domains of SMAD6.
- Performed bacterial transformation, immunofluorescence, cell culture, micropattern plating, *in vitro* simulation of shear stress, and PCR.
- Attended weekly lab meetings.
- Successfully defended thesis and was deemed highest honors quality.

Molecular Analysis of the Migration of Blue Crabs

Summer 2012-2015

Summer Research Intern | Duke University Marine Lab | Tom Schultz, Ph.D.

- Collected several generations of blue crabs along the coast of North Carolina and sought to understand the aberrant depletion of blue crabs.
- Conducted DNA extraction, purification, and sequencing.
- Compared DNA sequencing of subsequent blue crab generations.

Clinical Trial Research on Consent Rates

Fall 2013-Spring 2014

Research Assistant | Duke University | Phillip Smith, M.D., Matthew Laughon, M.D.

- Determined the factors associated with parental consent for infant's participation in clinical trials.
- Analyzed 200+ research articles and peer reviewed literature related to consent rates and compiled the information into a coherent database.

Liver X Receptor (LXR) in Age-Related Macular Degeneration (AMD)

Spring 2014

Research Assistant | Duke University | Goldis Malik, Ph.D.

- Characterized the retinal phenotype of LXR knockout mice and identified the presence of lipid-rich sub-retinal pigment epithelial deposits in the eye and in AMD.
- Performed immunohistochemistry.

PRESENTATIONS

Characterizing the Role of the N-terminal MH1 Domain of SMAD6 in BMP Signaling

QEP Research and Making Expo | UNC-Chapel Hill

Spring 2018

Annual Chemistry Research Symposium | UNC-Chapel Hill

Spring 2018

Liver X Receptor (LXR) in Age-Related Macular Degeneration (AMD)

NCSSM Research Symposium

Spring 2014

PROJECTS AND COMPETITIONS

E(I) Lab Program

Fall 2018-Present

Cohort 4 | UNC ESOP

- Participating in a six-month long experiential, interdisciplinary program composing of graduate students, professional students, and postdocs from diverse disciplines across UNC-Chapel Hill aimed to conceive, develop, and test innovative solutions to unmet needs in healthcare.
- Prototyping, designing, and marketing a novel spacer for inhalers that addresses the issue of medical adherence and regimen complexity.

Value of Industry Pharmacist (VIP) Case Competition

Fall 2018-Present

Industry Pharmacist Organization (IPhO) | UNC ESOP

- Designing a comprehensive drug development plan including clinical development, regulatory, medical, and commercial strategies that demonstrates pharmaceutical industry knowledge.
- Developing a final video product that showcases a fictitious drug starting from an initial concept to the approval and the marketing of the drug.

PharmAlliance International Case Competition

March 10-15, 2019

UNC ESOP | Monash University | University College London

- Designed a medical and business solution for a lack of pharmacists in developing countries with pharmacy students at Monash University and University College London.
- Placed in the top 5 teams.

TheraCare- OTC Recommendation Web Application

February 16-17, 2019

PearlHacks | Hackathon | UNC-Chapel Hill

- Created a web application in 24 hours in an all-female hackathon that helps patients with cough determine if they are candidates for self-care and recommends the appropriate OTC medication.
- Hardcoded google map images with pharmacy locations and OTC medications for ease of price comparison.
- Used Angular7 as the frontend and Firebase as the database backend.
- Won Best Financial Hack.

CREDIT SMARTER- Credit Card Calculator Web Application

October 6-7, 2018

HackNC | Hackathon | UNC-Chapel Hill

- Designed a credit card calculator web application in 24 hours that helps people maximize their cashback with a card that matches their spending habits and credit history.
- Deployed the web application using Angular6 as the frontend and Firebase as the database backend.
- Won Best Financial Hack.
- Won the Wolfram Award.

MAKE THE LEAP- Medical Leap Motion Angular 6 Web Application

September 7-9, 2018

MedHacks 2018 | Medical Hackathon | Johns Hopkins University

- Implemented a doctor-facing web application utilizing Leap Motion to allow the user to maneuver the mouse, click, zoom, type, and scroll hands-free using the Leap sensor in 72 hours.
- Developed Angular application integrated with Leap Motion navigation controls in Python.
- Placed in the top 15 projects for the Patient Health and Quality Track.

WORK EXPERIENCE

Academic Peer Tutor

Fall 2015-2018

Undergraduate Peer Tutor | UNC Learning Center | UNC-Chapel Hill

- Provided academic assistance for undergraduate students through adapted teaching style unique to each student.
- Facilitated student learning in introductory and organic chemistry one-on-one and in groups through appointment.
- Attended biweekly teaching workshops.

Residential Networking, Education and Technology Program (ResNET)

Fall 2015-2018

Residential Computer Consultant (RCC) | UNC-Chapel Hill

- Configured operating systems and software for network connectivity for students, faculty, and staff across campus.
- Troubleshooted hardware, software, and network problems at the Helpdesk or on site.
- Maintained communication with residents in dorms at UNC-Chapel Hill in customer service and casual situations on a daily basis.
- Hosted regular office shifts weekly.
- Participated in biweekly support programs that involved hardware and software cleaning.

Private Tutor

Spring 2018

Organic Chemistry Tutor | UNC-Chapel Hill

- Provided undergraduate students one-on-one private tutoring.
- Assisted students in acquiring a better understanding of targeted weak areas within a subject by providing individualized practice problems.

Laboratory Assistant

Fall 2014-Fall 2015

Bautch Lab | UNC-Chapel Hill | Victoria Bautch, Ph.D.

- Maintained mice and zebra fish under the guidance of the lab manager.
- Performed PCR and refilled and maintained basic reagents.

EXPERIENTIAL TRAINING

Immersion Experience 1**Expected:** July-August 2019*Health Systems | UNC-Chapel Hill Hospitals***SHAC: Community Outreach and Service Learning**

January 2019-Present

Student Health Action Coalition (SHAC) | UNC ESOP

- Practice pharmacy within the context of interprofessional care for vulnerable populations.
- Serve patients by volunteering at SHAC Clinic and SHAC Outreach: Urban Ministries of Durham and St. Thomas More Catholic Church.
- Check patients' blood glucose and blood pressure and counsel them on healthy lifestyles.
- Collaborate in a three-member team consisting of medical and pharmacy students in tending to patients and coming up with the appropriate medical steps to treat patient.

- Attend monthly SHAC meetings.

PROFESSIONAL ACTIVITIES, SERVICES, AND LEADERSHIP

UNC Industry Pharmacist Organization (IPhO)

Fall 2018-Present

VIP Case Competition Sub Leader | Director of Social Media and Marketing | UNC ESOP

- Develop training session strategies.
- Reach out to fellows and become a contact for fellows and chapter advisor.
- Determine internal deadlines for material submissions.
- Facilitate team meetings.
- Responsible for re-posting all National FB posts
- Respond and report to requests made by the Chapter's RSO and the NSO of Social Media and Marketing
- Lead development and posting of key chapter activities on the local chapter social media
- Design and distribute IPhO newsletters every semester

Global Engagement Organization (GEO)

Fall 2018-Present

Marketing Case Competition Committee | PharmAlliance | UNC ESOP

- Manage developing case content through interaction with faculty, creating teams, coordinating logistics, allocating budget, and designing publicity content for the competition.
- Work with students/faculty from Monash University and University College of London.

Academy of Managed Care Pharmacy (AMCP)

Fall 2018-Present

National Member and Volunteer | UNC ESOP

- Attend and engage in weekly meetings and talks.

CHEMPossible

Fall 2016-2018

Assistant Chemistry Volunteer | UNC Learning Center | UNC-Chapel Hill

- Assisted students in introductory chemistry courses by focusing on current course content while modeling effective and efficient study skills.
- Created weekly worksheets for students and answered any questions they may have had in hour-long sessions weekly.

Carolina Cystic Fibrosis Friends (CCFF)

Fall 2014-2018

Co-Founder and Co-President | UNC-Chapel Hill

- Co-founded CCFF in order to promote activism for cystic fibrosis (CF).
- Hosted events and talks with the UNC CF Center and UNC Pulmonary faculty to enrich scientific learning to spread awareness about CF.
- Paired up with the Cystic Fibrosis Foundation and raised money for CF research.

Buckley Service Scholars Program

Spring 2015-2018

Buckley Service Scholar | UNC-Chapel Hill

- Totaled 360+ hours of service.
- Volunteered with ResNET, UNC Athletics, Habitat for Humanity, Stop Hunger Now, Kramden Institute, and UNC Learning Center.

Organic Chemistry II Peer Mentor

Fall 2017

Peer Mentor | UNC-Chapel Hill | Cheryl Moy, Ph.D.

- Attended Organic Chemistry II classes and assisted students with in-class assignments.
- Facilitated small group discussions and answered any questions students may have had.

- Assisted professors in developing post-class assignments.
- Hosted review sessions before exams.

CERTIFICATIONS AND CERTIFICATE TRAINING PROGRAMS

Pharmacy-Based Immunization Delivery <i>American Pharmacists Association</i>	Fall 2018-Present
Basic Life Support for Healthcare Providers (CPR and AED) <i>American Heart Association</i>	Fall 2018-Present
Certified Pharmacy Technician (CPhT) <i>Pharmacy Technician Certification Board</i>	Fall 2017-Present
Occupational Safety and Health Administration (OSHA) Training <i>Department of Environment, Health, and Safety UNC-Chapel Hill</i>	Fall 2014-Present
Health Insurance Portability and Accountability Act (HIPAA) Training <i>UNC School of Medicine</i>	Fall 2014-Present

HONORS AND AWARDS

Best Financial Hack <i>Pearl Hacks UNC Chapel Hill</i>	February 17, 2019
Best Financial Hack Wolfram Award <i>HackNC UNC Chapel Hill</i>	October 7, 2018
Dean's List <i>UNC-Chapel Hill</i>	Fall 2014-Spring 2018
RCC Customer Service Award <i>UNC-Chapel Hill</i>	Spring 2016

OTHER SKILLS

- Working proficiency in Vietnamese.
- Experience in Matlab, Python, Angular, and MathCad.

REFERENCES

Available upon request