

Aliya Courtney Hines, M.D., Ph.D.

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Office Address:

WSUPG Dermatology
1560 E Maple Rd Ste 200
Troy, MI 48083-1138

EDUCATION

The Johns Hopkins University, Baltimore, MD
M.D. September 2001 – May 2007

The Johns Hopkins University, Baltimore, MD
Ph.D., Pharmacology September 1999 – May 2007

Hampton University, Hampton, VA
B.S., Chemistry June 1995 – May 1999
summa cum laude, valedictorian

POSTGRADUATE TRAINING

University of Michigan Medical Center, Ann Arbor, MI
Resident, Dermatology July 2009 – July 2012

Pennsylvania Hospital, Philadelphia, PA
Intern, Internal Medicine June 2007 – June 2008

Johns Hopkins University, Baltimore, MD
*Ph.D. thesis research with Philip A. Cole, M.D., Ph.D.
Medicinal chemistry and biochemical research on the
Development and characterization of bisubstrate analog
kinase inhibitors, and use of these inhibitors to determine
the kinetic mechanisms of protein kinases.* September 1999 – May 2007

University of Pennsylvania, Philadelphia, PA August 2006 – November 2006
Medical student research rotation - John Seykora, M.D., Ph.D.
Biochemical research on the adapter protein Srcasm's effects on downregulation of Src family kinases.

Cornell University, Ithaca, NY June 1998 – August 1998
Undergraduate summer research with Roald Hoffmann, Ph.D.
Theoretical chemistry research on the electronic structure of the rhenium-carbon lattice within Sc₅Re₂C₇

University of Dar es Salaam, Dar es Salaam, Tanzania June 1997 – August 1997
Undergraduate summer research - Dr. M.H.H. Nkunya, Ph.D.
Natural products chemistry research on anti-neoplastic compounds in Dichapetalum mossambicense

FACULTY APPOINTMENTS

St. Joseph's Mercy Livingston, Ann Arbor, MI July 2014 – June 2015
Volunteer Clinical Faculty

HOSPITAL OR PROFESSIONAL APPOINTMENTS

John D. Dingell VA Medical Center February 2016-current
Beaumont Hospital-Dearborn January 2016-current
Children's Hospital of Michigan January 2016-current
Harper University Hospital January 2016-current
Hutzel Women's Hospital January 2016-current
Sinai-Grace Hospital October 2012-current

John D. Dingell VA Medical Center, Detroit, MI February 2016-current
Staff Dermatologist
Supervise and teach resident physicians in an urban tertiary academic/VA setting. Provide medical and surgical dermatologic care, with an emphasis on skin cancer. Provide teledermatology consultative services to veterans with limited geographic access to in-person dermatologic care.

Wayne State University Physician Group, Detroit, MI January 2016-current
Staff Dermatologist
Supervise and teach resident physicians in an outpatient academic dermatology practice. Provide complex medical and surgical dermatologic care with special interest in vitiligo, alopecia areata, skin of color and uses of targeted kinase inhibitors in autoimmune skin disease.

Functional Fluidics, Detroit, MI
Chief Medical Officer/Consultant
Provide expert analysis to a biotechnology start-up company regarding target drug selection and mechanism of action for targeted kinase inhibitors in pre-clinical studies on blood thrombosis and blood cell adhesion. Compose, revise and edit applications for grant funding and venture capital investment. Communicate with investors and clients regarding study design and execution.

July 2015 – December 2016

Heidelberg Dermatology P.C., Detroit, MI
Associate Physician
Provide medical, cosmetic and surgical dermatology care in a large, high-volume, urban private dermatology practice in an underserved area. Areas of clinical focus/interest include vitiligo, alopecia areata, and emerging uses of targeted kinase inhibitors in dermatologic practice.

October 2012 – June 2015

DMC Sinai-Grace Hospital, Detroit, MI
Consultant
Provide consultation services on complex dermatologic diseases for hospital inpatient population.

October 2012 – June 2015

MAJOR PROFESSIONAL SOCIETIES

Michigan Dermatologic Society	January 2013 – present
American Medical Association	January 2013 – present
Michigan State Medical Society	January 2013 – present
Wayne County Medical Society of SE Michigan	January 2013 – present
National Medical Association	January 2012 – present
American Academy of Dermatology	July 2009 – present
Student National Medical Society	May 2000 – May 2007

MEDICAL LICENSURE

State of Michigan Full Medical License, active License No. 2330482 Expiration 1/31/2019	July 2012 – present
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State of Michigan Controlled Substances License, active License No. 2330484 Expiration 1/31/2019	July 2012 – present
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DEA Controlled Substances License, active	July 2012 – present
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State of Michigan Academic Limited License, inactive	July 2009 – July 2012
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BOARD CERTIFICATION

American Board of Dermatology Certificate No. 018613	July 2012 – December 2022
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HONORS/AWARDS

- Eastman Kodak Theophilus Sorrel Graduate Fellowship Award 2006
This award from the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers recognizes outstanding graduate research by a Ph.D. student. One award annually.
- Bristol-Meyers-Squibb NMF Academic Medicine Fellowship Award 2004
This award from the National Medical Fellowships recognizes outstanding medical students who intend to pursue a career in academic medicine. Approximately six awards annually.
- UNCF/Merck Graduate Fellowship Award 2003
This award given by the UNCF/Merck Science Initiative recognizes outstanding basic science graduate research by a Ph.D. candidate. Approximately thirty-five awards annually
- Acres of Diamonds Award 2002
This award is given by the Minority Research Training Forum to the winners of its national abstract competition and for distinction in oral presentation. Ten awards annually.
- Pfeiffer Graduate Fellowship Award 2001
This fellowship award is given by the Johns Hopkins School of Medicine Department of Pharmacology to support current or former Pharmacology graduate students pursuing a doctorate of medicine at the Johns Hopkins School of Medicine. One award given periodically upon nomination by Pharmacology faculty.
- Graduate Scholar Award 1999
This fellowship award given by the David and Lucille Packard Foundation supports the graduate education of outstanding HBCU graduates pursuing Ph.D.s in physical science disciplines. Five to seven awards annually.
- Ford Foundation Pre-Doctoral Fellowship Award (declined) 1999
This fellowship is given by the Ford Foundation to support individuals who have demonstrated superior academic achievement to pursue graduate training leading to the Ph.D. degree. Approximately sixty awards annually.

Hampton University President's Cup

1999

This award is given to the graduating senior who best demonstrates both academic excellence and an outstanding commitment to service. One award annually.

SERVICE

Johns Hopkins University School of Medicine

July 2006 – May 2007

Student Representative to the Committee on Admissions

Professional

Wayne County Medical Society of SE Michigan

July 2015 – present

Board of Directors

Student National Medical Association

June 2002

Nurse Educator Team Leader, Medical Mission to Ada, Ghana
Trained community health nurses in a rural Ghanaian community on HIV/AIDS counseling as part of an effort to create a self-sustaining HIV/AIDS education program.

Student National Medical Association

June 2001

Health Survey Team Member, Medical Mission to Ada, Ghana
Surveyed residents of a rural Ghanaian community about their knowledge of HIV/AIDS as part of an effort to establish a self-sustaining HIV/AIDS education program in the community.

Consulting

Functional Fluidics

August 2014 – July 2015

Research Consultant

Provided research data analysis on fixed adhesion assays, reviewed grant proposal documents and helped to prepare oral presentations for investment group competitions and scientific conferences.

PUBLICATIONS

Peer-Reviewed Publications

Reports of Original Work

1. **Hines AC**, Parang K, Kohanski RA, Hubbard SR, Cole PA. Bisubstrate Analog Probes for the Insulin Receptor Protein Tyrosine Kinase: Molecular Yardsticks for Analyzing Catalytic Mechanism and Inhibitor Design. *Bioorg Chem.* 2005 33(4):285-97.

2. **Hines AC**, Cole PA. Design, Synthesis and Characterization of a Bisubstrate Analog Inhibitor of Protein Kinase A. *Bioorg. Med. Chem. Lett.* 2004 7;14(11):2951-4.

3. Merschrod SE, **Courtney AD**, Hoffmann R. Deformation and Bonding in a Puckered Re-C Square Net. Zeitschrift f. Anorg. Allgem. Chemie. 2002 628: 2750-2756.

Conducted greater than half of research described in this work

4. Lau OD, **Courtney AD**, Vassilev A, Marzilli LA, Cotter RJ, Nakatani Y, Cole PA. P300 /CBP-Associated Factor Histone Acetyltransferase Processing of a Peptide_Substrate. Kinetic Analysis of the Catalytic Mechanism. Journal of Biol. Chem. 2000 275: 21953-21959.

Synthesized compounds used in this work

Case Reports

1. Smith N, Harms KL, **Hines AC**, Harms PW, Hristov A, Wang F. Acute Treatment of Generalized Pustular Psoriasis of Von Zumbusch with Infliximab. J Am Acad Dermatol. 2013 68(6):e187-9.

Was the medical resident who took care of this patient during the admission described in this work.

Review Articles

1. Shen K, **Hines AC**, Schwarzer D, Pickin KA, Cole PA Protein Kinase Structure and Function Analysis with Chemical Tools. Biochim Biophys Acta. 2005 1754(1-2):65-78.

Several kinase inhibitors that were designed as part of my thesis work are described in this review.

2. Cole PA, **Courtney AD**, Shen K, Zhang Z, Qiao Y, Lu W, Williams DM. Chemical Approaches to Reversible Protein Phosphorylation. Acc Chem Res. 2003 36:444-452.

Several kinase inhibitors that were designed as part of my thesis work are described in this review.

PRESENTATIONS

Poster Presentations (Refereed)

Proctor and Gamble, Cincinnati, OH
Focusing on Recruitment of Scientific Talent (FIRST)
Conference Bisubstrate Analog Probes for the Insulin
Receptor Protein Tyrosine Kinase: Molecular yardsticks for
analyzing catalytic mechanism and inhibitor design.

September 2011

National Medical Fellowships Fellows Meeting,
Charlottesville, VA
Structural and Functional Analysis of a Bisubstrate Analog
Inhibitor of the Insulin Receptor Kinase.

March 2005

Oral Presentations (Refereed)

Proctor and Gamble, Cincinnati, OH
Focusing on Recruitment of Scientific Talent (FIRST)
Conference
Bisubstrate Analog Inhibitor of PKA:
Extending an Approach to Kinase Inhibition.

September 2011

Invited Lectures/Presentations

Local/regional

Peter J. Aronson Lecture Series, Detroit, MI April 2016
Targeted Small Molecule Kinase Inhibitors: Applications in Dermatologic Disease

Michigan Dermatology Physician Assistants Meeting, Troy, MI April 2015
African American Hair Care and Associated Hair Disorders

Winter Michigan Dermatologic Society Meeting, Ypsilanti, MI February 2015
Small Molecule Kinase Inhibitors: Applications in Dermatologic Disease

Maryland Dermatologic Society Meeting, Baltimore, MD October 2006
Factor V Leiden and Protein S Deficiency, A Case Presentation.

Invited Lectures and Grand Rounds

Department of Dermatology, UNC-Chapel Hill, Chapel Hill, NC February 2015
Small Molecule Kinase Inhibitors: Applications in Dermatologic Disease.

Wayne State University

Medical Students

2nd Year Pathophysiology Course – Dermatology Section April 2016
“Nevi and Malignant Melanoma”
“Dermatitis”
“Infectious Diseases”

University of Michigan

Residents/Fellows

Dermatology Resident Lecture Series
“Skin Manifestations of Drug Abuse” November 2011
“African American Hair Care and Associate Hair Disorders” February 2011
“Targeted Small Molecule Kinase Inhibitors: Applications in Dermatologic Disease” May 2010

Internal Medicine Resident Lecture

“Top Ten Dermatology Conditions” August 2011

Medical Students

Medical Student Grand Rounds December 2011
Taught medical students about a dermatologic disease (Neurofibromatosis) with a patient educator who has the disease and demonstrates the cutaneous findings.

Medical Student Grand Rounds

December 2010

Taught medical students about a dermatologic disease (Vitiligo) with a patient educator who has the disease and demonstrates the cutaneous findings.

Johns Hopkins University School of Medicine

Graduate Students

Molecular Biology Course Tutor

September 2000 – November 2000

Residents/Fellows

Grand Rounds Presentations

“Thrombophilic Disease in Chronic Venous Ulceration”

“A Case of Neonatal Blistering”

November 2006

February 2006