CURRICULUM VITAE

NAME	POSITION TITLE
Joshua L. Hood	Research Instructor of Medicine
eRA COMMONS USER NAME JLHOOD	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
Centre College, Danville, KY	B.S.	1999	Chemistry
Centre College, Danville, KY	B.S.	1999	Biochemistry and Molecular Biology
University of Kentucky, Lexington, KY	Ph.D.	2004	Microbiology
University of Kentucky, Lexington, KY	M.D.	2006	Medicine
Washington University in Saint Louis	Residency	2009	Clinical Pathology
Washington University in Saint Louis	Post Doc.	2009	Nanomedicine

A. Positions and Honors.

Positions and Employment

2004 – 2006 Research Associate, Dept. Microbiology and Immunology, Univ. of Kentucky
2006 – 2009 Residency, Clinical Pathology, Barnes-Jewish Hospital, Washington Univ. in St. Louis
2007 – 2009 Post-Doctoral Fellow, **C**onsortium for **T**ranslational **R**esearch in **A**dvanced **I**maging and **N**anomedicine (**C-TRAIN**), Washington Univ. in St. Louis
2009 – current Research Instructor of Medicine, Washington Univ. in St. Louis, Department of Medicine, Division of Cardiology, **C-TRAIN**

Professional Memberships, Awards or Honors

2006 – current: Member, College of American Pathologist
2008 – current: Academy of Clinical Laboratory Physicians and Scientists
2008 – current: Associate member Academy of Clinical Laboratory Physician and Scientist
2008 – current: Associate member of American Association for Cancer Research
2008 – Paul E. Strandjord Young Investigator Award presented by the Academy of Clinical Laboratory Physicians and Scientists
2008 – 2010 NIH LRP Fellowship for “Pre-Screening Breast Cancer Patients for Imaging Angiogenesis”
2009 – Paul E. Strandjord Young Investigator Award presented by the Academy of Clinical Laboratory Physicians and Scientists
2009 – current: License to practice Medicine in the State of Missouri
2009 – current: Board eligible in Clinical Pathology/Laboratory Medicine
2010 – Louisiana Board of Regents Grant Progress Review Consultant for the establishment of the Center for Nanomedicine and Drug Delivery (Xavier University of Louisiana) under the Research Commercialization and Educational Enhancement Program (RC/EEP)
2010 – Louisiana Board of Regents Grant Progress Review Consultant for the establishment of the Louisiana Peptide Translational Consortium (Tulane Univ. Health Sciences Center) under the Research Commercialization and Educational Enhancement Program (RC/EEP)
2010 – 2012 NIH LRP Fellowship for “Nanoscale Biomarkers of Breast Cancer Angiogenesis”
2010- current: Associate Member of the Siteman Cancer Center, St Louis MO.

B. Selected peer-reviewed publications.

Hood JL, Logan BB, Sinai AP, Brooks WH, Roszman TL. Association of the calpain/calpastatin network with subcellular organelles. Biochem Biophys Res Commun. 2003 Oct 31;310(4):1200-12

Hood JL, The Association of Calpain and its Regulatory Proteins with the Endoplasmic Reticulum and Golgi Apparatus. The Graduate School, Univ. of KY. © Aug. 2004

Hood JL, Brooks WH, Roszman TL. Differential compartmentalization of the calpain/calpastatin network with the endoplasmic reticulum and Golgi apparatus. J Biol Chem. 2004 Oct 8;279(41):43126-35. Epub 2004 Aug 9.

Hood JL, Brooks WH, Roszman TL. Subcellular Mobility of the Calpain/Calpastatin Network- an Organelle Transient. Bioessays. 2006 28:850-9

Hood JL, Pan H, Eby CS, Wickline SA. Detection and Analysis of Nanoscale Tumor Membrane Biomarkers. Am. J. Clin. Path. 2009

Hood JL, Pan Hua, Lanza Gregory M., Wickline Samuel A. Paracrine Induction of Endothelium by Tumor Exosomes. Lab. Invest. 2009 89(11):p. 1317-28

Hood JL, Eby, CS. A Novel Lipid Nanoparticle for Detecting the Pro-Coagulant Nature of Anti-Beta -2- Glycoprotein-1. Am. J. Clin. Path. 2008 130:487

Hood JL, Eby, CS. Evaluation of a Prolonged Prothrombin Time. Clin. Chem. 2008 54(4):765-769

Hua P, Myerson JW, Soman NR, Allen S, **Hood JL**, Zhang Y, Lanza GM, Schlesinger PH, Wickline SA. Design and application of peptide linker conjugates for rapid and flexible cargo multiplexing of synthetic nanoparticles and living cells. FASEB J. March 24, 2010 (Epub ahead of print)

Scott MG, LeGrys VA, **Hood JL**.Ch. 28 Electrolytes & Blood Gases. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics 5th ed. W.B. Saunders. July 2010.

Hood JL, Scott MG. Ch. 49 Physiology and Disorders of Water, Electrolyte, and Acid-Base Metabolism. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics 5th ed. W.B. Saunders. July 2010.

C. Research Support

2010 - 2011 Siteman Cancer Center Research Development Awards in Developmental Therapeutics
(Total Direct cost = $20,000)
Title: “Induction of Angiogenic Nodal Turf by Melanoma Exosomes”
Role: Principle Investigator
Goal(s): To test the core hypothesis that melanoma exosomes can be fluorescently labeled to confirm isolation and enable fluorescent exosome trafficking *in vivo*.

2009 – 2010 Elsa U. Pardee Foundation
(Total Direct cost = $122,477)
Title: “The role of melanoma exosomes in angiogenesis”
Role: Principle Investigator
Goal(s): Investigate the angogenic effects of melanoma exosomes on endothelial cells using a novel *in vitro* 3D endothelial culture assay.