

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: **BEREKET MOCHONA**

eRA COMMONS USER NAME (credential, e.g., agency login): **MOCHONAB**

POSITION TITLE: **ASSOCIATE PROFESSOR**

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Florida A&M University	MS	1996	Organic Chemistry
Florida A&M University	PhD	2003	Medicinal Chemistry
Addis Abba University, Ethiopia	BSc	1990	Chemistry

A. Personal Statement: As part of our continuous effort to increase the pipeline for the development and training of successful under-represented minority scientists focused on reducing health disparities in cancer, the Florida-California Cancer Research, Education & Engagement (CaRE²) Health Equity Center is proposed. My role in this application will be coordinating the overall activities of the Research & Education Core (REC) of the Florida A&M University CaRE² center. As the project leader of the REC triad partnership at FAMU CaRE² center, I will expand & share my experience from the Florida Minority Cancer Research Training (MiCaRT), NIH/NCI P20 FAMU-University of Florida (UF) partnership grant (#1P20CA1992990-02). My role in this grant is Faculty Advisor for FAMU students chosen to participate in a ten-week Advanced Cancer Research Training Opportunities for Outstanding Leaders (Advanced ReTOOL) led by Dr. Folakeni T. Odedina (UF-Principal Investigator). The program has given me an opportunity to work with researchers and program leaders from both institutions. I have been actively engaged in the NIH-funded FAMU Research Center in Minority Institutions (RCMI) program as investigator in the areas of Drug Discovery and Development. My research focus is understanding the mechanism of drug resistance in castration resistance prostate cancer and triple negative breast cancer. Currently, we are involved in developing androgen receptor targeted small molecule inhibitors for prostate and/or breast cancer therapy. As part of my responsibilities in basic and advanced ReTOOL programs, I have trained and prepared >10 minority students in my research laboratory supported by Florida MiCaRT pilot project. I have also established research collaboration with UF, College of Pharmacy Center for Drug Discovery and Development researchers through Florida Health Equity Research Institute (HERI) and the UF- Clinical and Translational Science Institute (CTSI) funded summer faculty professional development program. These backgrounds as well as my involvement in teaching large number of minority students primarily from the state of Florida has provided me strong experiences in health disparities and education & training programs. Thus, I am fully capable of playing an important role as FAMU REC project leader and in the successful completion of the outlined Florida-California Cancer Research, Education & Engagement Health Equity Center proposal.

B. Positions and Honors

2003 – 2005	Adjunct Chemistry Instructor, Florida A&M University, Tallahassee, FL
2006 – 2011	Visiting Assistant Professor of Chemistry, Florida A&M University, Tallahassee, FL
2012 – 2017	Assistant Professor of Chemistry, Florida A&M University, Tallahassee, FL
2017 – Present	Associate Professor of Chemistry, Florida A&M University, Tallahassee, FL

Other Experiences

- 2007 – Present Member of Science Technology Engineering and Mathematics Learning Community (STEM-LC) faculty
- 2008 – 2012 Member of FAMU student research forum panel of judges
- 2008 – Present FAMU-HONORS Counsel member
- 2009 – Present Department of Chemistry Curriculum Committee member.
- 2013 – Present Faculty Advisor for Advanced Research Training Opportunities for Outstanding Leaders (ReTOOL) program.
- 2013 – Present Department of Chemistry

Professional Development

- Florida Health Equity Research Institute Scholar (2016)
- FAMU Innovative Teacher of the year (2016)
- ACS Short Course in “*Drug-like Properties (ADME) and Toxicity*” March 2010, San Francisco, Ca.
- ACS workshop in the areas of “*Chemistry Pedagogy and Undergraduate Research training*” **August 2010**, Boston, MA
- ACS Short Course in “*Structure Based Drug Design*” **March 2011**, San Anaheim, CA.
- FAMU, QEP organized faculty planning and professional development workshops.
- Certificate in Introductory Molecular Modeling, Tripos, Inc.
- Certificate in Ligand-Based Drug Designing, Tripos, Inc.
- Focus on Teaching and Technology (FTTC), University of Missouri, Saint Louis, 2015
- Supplemental Instruction (SI), FAMU College of Science and Technology and Academic Affairs
- Student Centered Active Learning Environment – Undergraduate Program (SCALE-UP)
- Process Oriented Guided Learning, University of Florida, Gainesville

Membership

American Chemical Society – Medicinal Chemistry Division

C. Contributions to Science

- Florida Sector American Chemical Society Organic Chemistry Annual Symposium Organizer (2014-2015)
- Manuscript review (Bioorganic & Medicinal Chemistry Journal, Journal of Heterocyclic Chemistry and Molecules.)

D. Additional Information: Research Support and/or Scholastic Performance

1P20CA192990 NIH-NCI (Reams. R. PI) 09/22/2014 – 08/31/2018

(1 of 2) Florida Minority Cancer Research & Training Center: Feasibility Studies

Role: Pilot Project Investigator

Project Title: Undergraduate Prostate Cancer Research Institute (UPCaRE): Preparing FAMU & BCU Students for Advance Cancer Research

The P20 focuses on developing a Florida Minority Cancer Research & Training (MiCaRT) Center that will expand our cancer research and training opportunities for URM faculty and students at UF and FAMU and ultimately grow the number of URM scientists and clinical investigators in biomedical research.

5G12MD007582-31 (Soliman - PI) 08/06/2013 – 3/31/2018

Pharmaceutical Research Center
RCMI Administrative Core: Faculty Development Program

Role: Pilot Project PI: Bereket Mochona

Project title: “Synthesis, Anticancer and Antioxidative Activities of Some Pyrrolyl-1,3,4-Oxadiazole and Pyrrolyl-4-aminoantipyrine Analogues” (\$20,000)

The goal of this project was to synthesize pyrrolyl analogues for use as Anti-cancer agents

Completed Research Support

Florida A&M University (**Mochona, B. PI**)

06/01/2013 – 12/31/2013

Graduate Studies and Research, Faculty Research Awards Program

Synthesis of Pyrrolyl Analogues as Anticancer Agents

The goal of this project was to synthesize pyrrolyl analogues for use as Anti-cancer agents