**GLOBALtimore Teaching Fellowship Program**

**“Certificate Program in Laboratory Management with Global Perspective”**

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**Final Report**

We proposed to create an online certificate program in Clinical Laboratory Management (12 credits) to address the needs for online education and to promote a global education and cultural exposure in a graduate school. The goals of the proposed certificate program were to create a link between UMB Graduate School and institutions worldwide, to prepare culturally competent healthcare professionals to work in culturally diverse teams, to facilitate online training and to integrate cultural exposure, and to enhance competencies by standardizing the quality of laboratory diagnostic results, limiting healthcare disparities and promoting cultural exchange.

The proposed program will utilize the existing platform for online programs at the University of Maryland Graduate School, and existing courses in the MS in Global Health Systems and Health Science (MSHS) (for example, Biostatistics for Health Professional - MHS 615). The core course of this new online program will be the Laboratory Management for International Programs, a newly developed course, focused on laboratory management principles, quality assurance and regulatory issues. The course will highlight quality control (QC), quality assurance (QA), good laboratory practices, regulatory agencies governing both clinical practice and biotechnology industries, ISO standards, basic principles of organizational structures, human resources management, and finance and operations as established by the academic standards required for completion of the traditional M.S. in Medical and Research Technology. If the students wish to continue in the Master’s degree program, the credits earned can be applied toward a M.S. in Medical and Research Technology with concentration in Laboratory Management or Biomedical Research.

To enhance this global implementation of laboratory science, we were primarily targeting

local institutions worldwide funded mostly by NIH & Fogarty Grants (e.g. IHV Nigeria). We have a good marketing strategy to promote this program in Africa, by communicating with the African Society for Laboratory Medicine (ASLM) and Kenya Medical Technician and Technologist Board (KMTTLB). However, after meeting with the UMB Graduate School, we realized a need to develop a better plan how to market this program to US students, residents and postdoctoral fellows, who need a laboratory management training and exposure. Therefore, we are presently developing a plan of “dual” certificate programs, with a without “global perspective”. After clearing this with a Graduate School, we will be ready to submit this to the Maryland Higher Education Commission for approval.

In conclusion, this has been a wonderful year as a GLOBALtimore fellow, working closely with faculty and experts from a Center for Global Engagement, other fellows, and participating in the summer 2019 meeting with the Nigerian cohort enrolled in MSHS - implementation and dissemination with Dr. Katherine Marconi and Dr. MJ Bondy, and meeting Dr. Alash’le Abimiku, Executive Director, International Research Center of Excellence (IRCE) and Executive Director, Lab Diagnostic & Research, Institute of Human Virology Nigeria. I am extremely grateful for this great and unique experience.