

**Moussa Doumbia, Ph.D.** is a faculty in the department of Mathematics at Howard University in Washington, DC. He earned his Ph.D. in Mathematics from Howard University of Washington, DC. Prior to coming to Howard, he earned a bachelor's degree in mathematics (Magna cum laude) from the University of the District of Columbia (2004-2007). As an undergraduate, he did some research work about the cyclotomic points on a curve under the direction of Dr. Vernise Steadman.

He graduated from UDC a semester early. While in undergraduate school, he enjoyed the vibrant atmosphere of working through statistical and mathematical problems and in particular, the applications of ordinary differential equations. He is interested in a wide variety of equations that define dynamical systems, including difference equations, matrix equations, ordinary and partial differential equations, and delay equations. His work focuses on theoretical investigations and modeling of infectious diseases such as Malaria, TB, H1N1, Ebola... etc. He also maintains a great interest in data sciences. He speaks English, French, Mandingo and limited knowledge in Spanish. He enjoys running, traveling, and public speaking.