

Ecology Meets Infectious Disease: Modeling Complex Interactions

Date	Topic	Speaker
20 September 2025 10:00-12:00 EDT	Launch Day!	Folashade Augusto Eric Numfor Michael A. Robert
20 September 2025 10:00-12:00 EDT	Introduction to modeling in epidemiology and ecology	Michael A. Robert Virginia Tech USA
4 October 2025 10:00-12:00 EDT	Introduction to modeling in epidemiology and ecology	Michael A. Robert Virginia Tech USA
18 October 2025 10:00-12:00 EDT 01 November 2025 10:00-12:00 EDT	Epidemic and ecology models with stochastic differential equations	Benito Chen University of Texas USA
15 November 2025 10:00-12:00 EDT 13 December 2025 10:00-12:00 EST	Modeling heterogeneity of infectious diseases-A structured modeling approach	Emmanuel Bakare International Centre for Applied Mathematical Modelling and Data Analytics, Federal University Oye Ekiti Nigeria
17 January 2026 10:00-12:00 EST 31 January 2026 10:00-12:00 EST	Individual heterogeneity on infectious disease spread	Lauren Childs Virginia Tech USA
14 February 2026 10:00-12:00 EST 28 February 2026 10:00-12:00 EST	Identifiability analysis on infectious disease models	Omar Saucedo Virginia Tech USA
14 March 2026 10:00-12:00 EDT 28 March 2026 10:00-12:00 EDT	Invasive species control under climate change and habitat fragmentation	Rana Parshad Iowa State University USA Kwadwo Antwi-Fordjour Samford University USA

11 April 2026 10:00-12:00 EDT 25 April 2026 10:00-12:00 EDT	Optimal control in biological systems	Eric Numfor Augusta University USA Steve Moore University of Cape Coast Ghana
09 May 2026 10:00-12:00 EDT 23 May 2026 10:00-12:00 EDT	Network and graph theory in epidemiology and ecology	Fadekemi Osaye Troy University USA
06 June 2026 10:00-12:00 EDT	Machine / Deep learning and cancer modeling and control	Wandi Ding Middle Tennessee State University USA
20 June 2026 10:00-12:00 EDT 18 July 2026 10:00-12:00 EDT	Introduction to spatial statistics in epidemiology and ecology	Folashade Augusto University of Kansas USA Atinuke Adebajji Kwame Nkrumah University of Science and Technology Ghana
01 August 2026 10:00-12:00 EDT 15 August 2026 10:00-12:00 EDT	Dynamical Systems - Applications in population dynamics models	Ousmane Seydi Ecole polytechnique de Thiès Sénégal
29 August 2026 10:00-12:00 EDT	Climate change and infectious diseases	Luis Escobar Virginia Tech USA
19 September 2026 10:00-12:00 EDT	TBD	Chadi Saad-Roy University of British Columbia, Canada
19 September 2026 10:00-12:00 EDT	Closing Meeting	Folashade Augusto Eric Numfor Michael A. Robert