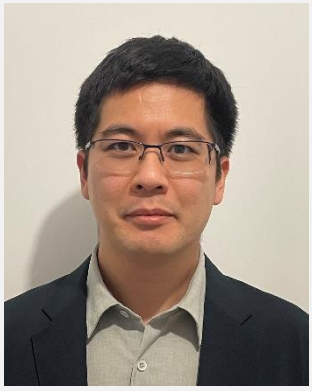

Andrea Chane, PhD – Associate Professor
Rouen Normandy University, France

Identity: Andrea Chane is an Associate Professor at Rouen Normandy University in France. His research work focuses on Microbiology, with a particular interest in antibiotic-resistant bacteria, the bioproduction of lipid nanoparticles for biomedical applications and bacterial response to atmospheric pollutants.

Education/Career: Following the completion of his PhD in Microbiology from Rouen Normandy University, he pursued his academic career with a post-doctoral fellowship in the Plant Cell laboratory at Seoul National University. Since 2023, Dr. Chane joined the faculty of Rouen Normandy University at the CBSA (Bacterial Communication and Anti-infectious Strategies) laboratory.

Research areas: His research focuses on three main areas: understanding the mechanism of action of nanodrugs—novel antibacterial formulation based on nanoparticles—against Gram-negative bacteria; developing tools through the production of bacterial lipid nanoparticles; and investigating the impact of environmental factors, including NO_2 pollution, UV radiation, and atmospheric particles, on bacterial physiology and membrane structure.

Publications: He is the author of publications in international journals such as Frontiers in Microbiology, Plants.

Link to the conference: His presentation at this conference will focus on Nanobiotechnology for Non-clinical Applications, directly related to his current research on nanodrug for treating antibiotic-resistant bacteria.