

International Forum on Ecology & Evolution of Avian Influenza

A webinar series by leading scientists (5/2021 - 12/2024)

Sep. 07, 2021, Tuesday, 9pm – 10pm, China

Sep. 07, 2021, Tuesday, 9am – 10am, EDT, USA



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Dr. Du is a professor from School of Public Health (Shenzhen), Sun Yat-sen University. He graduated with a bachelor degree in Physics and then earned a PhD degree in Bioinformatics. He worked at NCBI/NIH, HHMI, University of Michigan and University of Chicago before joined Sun Yat-sen University. He is the associate dean at the School of Public Health (Shenzhen). His researches focus on interdisciplinary study of infectious and complex diseases from the perspective of systems biology by integrating multiple sources of data.

Mutation Network and Recombination/Reassortment of Pathogen

A new framework was proposed to systematically identify recombination or reassortment events, excluding those due to noise and convergent evolution. Also, a novel probabilistic mutation network was constructed to explore the diversity and evolution of pathogen. Those new frameworks proposed can help our understanding of and response to repeat and new emerging pathogens.

Registration at <http://eomf.ou.edu/workshops/current/>

Organizers: University of Oklahoma, St. Jude Children's Research Hospital, USGS EESC;
Sun Yat-sen University; China Agricultural University; CNIC, IVDC, China CDC

Organizing Committee Chairs: Xiangming Xiao (University of Oklahoma, USA), and Yuelong Shu (Sun Yat-sen University, China)