

UoL Evolutionary Anthropology Webinar Series 2021



UNIVERSITY OF
LIVERPOOL

Department of
Archaeology, Classics
and Egyptology

WHEN: 4th February 2021
1-2pm GMT (2-3pm CEST)
Via Zoom (registration is
necessary to attend)

Professor Lluís Quintana-Murci
Institut Pasteur and Collège de
France

**“Understanding human
infectious diseases
through the lens of
evolutionary genetics”**



Immune response is one of the functions that has been strongly targeted by natural selection during human evolution. The evolutionary genetic dissection of the immune system has greatly helped to distinguish genes and functions that are essential, redundant or advantageous for human survival. It is also becoming increasingly clear that admixture between early Eurasians with now-extinct hominins such as Neanderthals or Denisovans, or admixture between modern human populations, can be beneficial for human adaptation to pathogen pressures. Lluís will be particularly focused on how integrating population genetics with functional genomics in populations with various modes of subsistence or exposed to different ecologies — including ancient DNA data from different epochs — can inform us about the nature of immune functions related to lifestyle transitions (e.g., from hunting and gathering to farming), as well as the action of natural selection directly and the history of past epidemics.

All are welcome and stay tuned to updates through the mailing list at
liverpoolevoanth@gmail.com!



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