

The BBVA Foundation and the Spanish National Research Council (CSIC)
are pleased to invite you to the lecture:

Digital Demography, Human-Mosquito Interactions, and the Socio-Ecological Context of Vector-Borne Disease

Prof. John Palmer

Department of Political and Social Sciences at Pompeu Fabra University, Spain.

Summary:

In this talk I will explain how digital demography is transforming vector-borne disease research. Digital traces and active mobile positioning methods are improving our understanding of human spatial behavior, offering important glimpses into the mobility patterns and human-mosquito biting networks that shape disease dynamics. Networked citizen science makes it possible for ordinary people to identify and report disease-vector mosquitoes wherever they encounter them, and for researchers to quickly validate these reports, adjust for sampling bias, and build high-resolution models of mosquito populations and human-mosquito interaction. In all of this, digital demography is bringing a much needed social science perspective and helping to illuminate the socio-ecological context of vector-borne disease. Drawing on my work in this area, I will discuss these developments and the exciting directions in which I see digital demography headed.

Biography:

John Palmer is a tenure-track professor in the Department of Political and Social Sciences at Pompeu Fabra University, where he is a member of the Sociodemography Research Group (DemoSoc). His research connects human spatial behavior, social inequality, and disease ecology. He has developed methods for collecting and analyzing human trajectories and activity-spaces, and for harnessing citizen science in the public health context.

The **Demography Today** lecture series aims to **promote and communicate** scientific work on demography through the dissemination of research and the **training of specialists** in issues related to demography, Big Data, longitudinal records and health, while informing society, in an accessible way, about issues currently in the foreground of scientific and political debate, such as the limits to longevity, pension systems, ageing, emerging diseases, migration and low fertility.

This lecture series enjoys the exclusive support of the BBVA Foundation and has been co-organized with the Spanish National Research Council and the LONGPOP project (Methodologies and Data Mining Techniques for the Analysis of Big Data based on Longitudinal Population and Epidemiological Registers). The LONGPOP project has received funding from the European Union's Horizon 2020 research and innovation program under a Marie Skłodowska-Curie grant.

All **lectures** are **available for viewing** on the interactive platform: **www.demografia.tv**

The lecture series also forms part of the Postgraduate Courses run by the Spanish National Research Council (CSIC).

Information and contact:

e-mail: demografia@cchs.csic.es

Director of series: Diego Ramiro Fariñas

<http://demografia.iegd.csic.es>

Tel: (34) 916022403
(34) 916022782

[twitter @demografia_csic](https://twitter.com/demografia_csic)



Wednesday, June 5 at 12:00

Instituto de Estadística y Cartografía de Andalucía

Calle Leonardo Da Vinci, 21. Isla de la Cartuja

41071-Sevilla

REQUEST ATTENDANCE

Please confirm attendance. Limited seating

e-mail: demografia@cchs.csic.es

The lecture will be delivered in English without translation