David L Nieland

Subject: Postdoc modelling wildlife disease dynamics - University of Glasgow

The post-holder will work with Prof. Daniel Haydon and Dr. Mafalda Viana, from the Institute of Biodiversity, Animal Health and Comparative Medicine of the University of Glasgow, UK, and will contribute to the project: “From observation to intervention: overcoming weak data with new approaches to complex biological problems”.
This project is driven by the need to develop statistical methodologies supporting the integration of multiple sources of information into mechanistic models that can accurately reconstruct disease dynamics of complex epidemiological systems. The aims of the project are to develop and apply these methods to data from three case-studies of public health, economic and conservation importance: i) Parvovirus in dogs and lions in the Serengeti ecosystem; ii) Bat viruses in vampire bats in Peru; and iii) Avian and equine influenza in horses in Mongolia; and will be used to address key epidemiological questions such as identification of reservoirs of infection, cross-species transmission and the impact of existing, and the design of future, interventions on disease dynamics.
For applying and further details please visit: http://www.gla.ac.uk/about/jobs/vacancies [job reference 012568] and https://mafaldaviana.wordpress.com/research-2/
For informal inquiries please email Dr. Mafalda Viana: mafalda.viana(at)glasgow.ac.uk