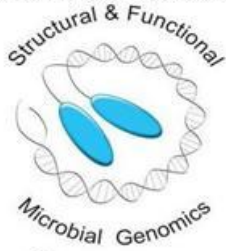


ARC Centre of Excellence in



**FEBS**



**u<sup>b</sup>**

**UNIVERSITÄT  
BERN**

## **FEBS Spetses Summer School 2012**

### **Pathogen-host-interactions of major animal infectious diseases and zoonoses**

**Island of Spetses, Greece, 9-15 September 2012**

Advanced **lecture course** intended for **Ph.D. students** and **postdoctoral scientists**

#### **Aim of the conference**

Infections of domestic and wild animals are shaped by co-evolution between host and pathogen, unlike the usual experimental rodent models. In recent years, the genetics of several animal species, as well as that of their pathogens, has reached a level that permits the study of host-pathogen interactions at the molecular level. The aim of the course is to provide a forum for discussions of bacterial, viral and parasitic infections in their natural animal hosts. Emphasis will be on examples and approaches that are at the frontier of current knowledge, including genomics, bioinformatics and structural biology. In addition, key molecular mechanisms underlying host and tissue specificity leading to the emergence of new microbial infections will be discussed. Bringing together top scientists that work on viral, bacterial or parasitic infections will not only stimulate scientific interaction, but will demonstrate to the students that being able to integrate knowledge acquired in the “viral, bacterial and parasitic worlds” is essential for a successful career in host- pathogen research.

The FEBS 2012 summer-school is organized as an intensive lecture and training course limited to 60 successful applicants in the fields of animal or zoonotic pathogen-host interaction research.

Registration: <http://www.kas.unibe.ch/FEBS2012/>

Organizers: Joachim Frey, Institute of Veterinary Bacteriology, and Ernst Peterhans, Institute of Veterinary Virology, Universität Bern, Switzerland; Julian Rood and Ben Adler, ARC Centre of Excellence in Structural and Functional Microbial Genomics, Monash University, Melbourne, Australia; Efsthios S. Gonos, National Hellenic Research Foundation, Athens, Greece

