

## **Lecturers and organizers**

### **Marina Pavlak, DVM, MSc, PhD**

Marina Pavlak is currently Head of the Department of Veterinary Economics and Epidemiology at the University of Zagreb and Full Professor of veterinary epidemiology and economics. She obtained her DVM, MSc and PhD in Epidemiology at the Faculty of Veterinary Medicine as well as at the Medical Faculty at University of Zagreb. Dr. Pavlak's research focuses on disease risk assessment, disease surveillance and modelling. She is a member of numerous professional associations Croatian Veterinary Association, Croatian DAAD Club, Croatian Epidemiological Society; Croatian Society for Simulation and Modelling (CROSSIM); World Poultry Science Association-Croatia (WPSA-CRO); Croatian Society of Agricultural Economists, Society for Veterinary Epidemiology and Preventive Medicine. She has participated as leader or cooperator on the 18 national and international scientific projects. She has published more than 120 scientific and professional papers including 15 handbooks and books for students and veterinarians. She has been a key speaker at various national and international conferences with topics in the fields of herd health epidemiology, risk analysis as a tool for the control of animal diseases as well as animal health prevention and surveillance. She was a guest teacher in epidemiology in the veterinary schools abroad.

### **Dean Konjević, DVM, PhD, Dipl. ECZM (WPH)**

Dr. Dean Konjević graduated at the Veterinary Faculty University of Zagreb. In 2009 he defended his PhD with topic 'Non-invasive monitoring of adrenocortical activity in fallow deer'. In 2010 he was awarded title European Veterinary Specialist in Zoological Medicine and became active Diplomate of the European College of Zoological Medicine. From 2013 he is assistant professor in epidemiology, at the Department of Veterinary Economics and Epidemiology, Veterinary Faculty University of Zagreb. He authored and co-authored more than 100 papers and three books. His special research interests are wildlife diseases and management, wildlife pathology, wildlife epidemiology, comparative odontology.

### **José Raduán Jaber Mohamad, DVM, PhD, Dipl. ECZM (WPH)**

José R. Jaber Mohamad received his veterinary degree and PhD from the University of Las Palmas de Gran Canaria, Spain and he spent one year in The Animal Medical Center, New York for postgraduate training. He has been visiting professor at New York State College of Vet. Medicine, Cornell University and Ohio State College of Veterinary Medicine. His fields of interest include immunopathology and diagnostic imaging.

### **Becki Lawson MA, VetMB, MSc, PhD, Dipl. ECZM (WPH), MRCVS Institute of Zoology, Zoological Society of London, UK**

Becki is a Research Fellow in the Wildlife Epidemiology Research Theme at the Institute of Zoology. After qualifying from Cambridge in 1997, she began working with treatment and rehabilitation of British wildlife casualties and subsequently focused on disease investigation in various terrestrial and marine species. She completed the MSc in Wild Animal Health in

2000 and her PhD on the 'Emerging and endemic diseases of British garden birds' in 2010. She currently co-ordinates the Garden Wildlife Health project ([www.gardenwildlifehealth.org](http://www.gardenwildlifehealth.org)), a national disease surveillance programme for amphibians, reptiles, garden birds and hedgehogs, in partnership with the RSPB, British Trust for Ornithology and Froglife. Her research interest focuses on the effects of disease on free-ranging wildlife populations, particularly where pathogens have significant welfare or conservation implications.

**Anthony W. Sainsbury, BvetMed, MRCVS, CertZooMed, DvetMed, Dipl. ECZM (WPH) PGCAP FHEA**

**Institute of Zoology, Zoological Society of London, UK**

Following qualification in Veterinary Medicine at the Royal Veterinary College, Dr Tony Sainsbury joined the Royal College of Surgeons of England working primarily with laboratory primates. In 1989 Tony moved to the Zoological Society of London, initially as a clinician, then from 1998 as Head of the Veterinary Science Unit with responsibilities for the health of both zoological collections, and from 2002 as Lecturer and then Senior Lecturer in Wild Animal Health. Tony gained a DVetMed in 2008 with a thesis on Epidemiology of Poxviruses in Squirrels. He leads a research group on Disease Risk Analysis and Health Surveillance (DRAHS) for interventions in biodiversity conservation and has authored over 150 scientific articles. Tony has been Co-Director of the Masters Course in Wild Animal Health since 1996 and MSc Wild Animal Biology since 2003. He is a Member of the IUCN Wildlife Health Specialist Group, was Chair of the World Association of Wildlife Veterinarians 1995-1999, President of the WAWV 1999-2002, and was awarded Recognised Specialist in Zoological Medicine (Wildlife Population Health) by the European Board of Veterinary Studies in 2009 and a Diploma of the European College of Zoological Medicine (Wildlife Population Health) also in 2009. In 2010 he gained a Certificate in Academic Practice from Kings College (London) and a Fellowship of the Higher Education Academy. Tony is Review Editor for the journal *Ecohealth* and Associate Editor for the *International Journal of Parasitology: Parasites and Wildlife*.

**Rachel Jennings, PhD**

**College of Veterinary Medicine, Cornell University, USA**

The research interests of Dr. Jennings include dynamic systems, ordinary and partial differential equations, and functional analysis with applications to environmentally transmitted and food-borne diseases. She received a B.A. in Mathematics with an actuarial concentration from Texas Christian University in 2006 and a PhD in Mathematics from the University of Wyoming in 2016. As part of her doctoral dissertation, Dr. Jennings used differential equations to explore how environmental conditions and host heterogeneity contribute to the transmission and maintenance of low pathogenic avian influenza viruses in wild birds. Following her graduate work, she has worked as a postdoctoral researcher with Dr. Renata Ivanek at Cornell University. With Dr. Ivanek, her research projects include the development of an agent-based model of *Escherichia coli* O157:H7 transmission/infections

among beef cattle, as well as modeling of microbial communities using Generalized Lotka-Volterra equations. The work of Dr. Jennings reflects her long-standing belief that mathematical modeling assists every discipline, not just mathematics, in their efforts to comprehend complex, dynamic processes.

**Zvonimir Poljak, DVM, MSc, PhD**

**Ontario Veterinary College, University of Guelph, Canada**

Zvonimir Poljak is a veterinary epidemiologist and Associate Professor at the University of Guelph, Ontario. His main area of interest are infectious diseases of swine, particularly spread and control of viral infections causing respiratory diseases. Poljak has more than 70 peer-reviewed publications and numerous presentations at scientific and industry meetings. In his work, Poljak uses different data analytics approaches to study issues at the population level, and frequently interacts with veterinary practitioners and producers.