

## Ivan-Christian Kurolt

**Scientific Personal Identification Number: 302106**

### **Academic achievements:**

2008 – 2014 PhD in Natural Sciences-Biology - Faculty of Science, University of Zagreb, Zagreb, Croatia

2000 – 2005 MSc in Biology – Philipps-Universität, Marburg, Germany

### **Research interests:**

Diagnostics and molecular epidemiology of infectious diseases; pathogenesis of hantaviruses using molecular tools in cell culture models.

### **Working experience:**

**2014 – present; Postdoctoral Researcher**, Research Department, University Hospital for Infectious Diseases 'Dr Fran Mihaljević', Zagreb, Croatia (Project: Innate Immunity to hantaviruses, P.I. Prof. Alemka Markotić, MD, PhD)

**2008 – 2014; PhD student**, Research Department, University Hospital for Infectious Diseases "Dr. Fran Mihaljević", Zagreb, Croatia (Project "Hantaviruses and leptospires")

**2007 – 2008; Research assistant** at the University Hospital for Infectious Diseases "Dr Fran Mihaljevic", Zagreb, Croatia

**2006 – 2006; Research assistant** at the Institute of Virology, Marburg, Germany

### **Professional education and training:**

**December 2008 – April 2010**, Research stay at the University of Texas Medical Branch, Department of Pathology, Galveston, USA

**August 2008**, Biosafety training: Principles and practices of working at Containment Level 3 at the University of Texas Medical Branch, Galveston, USA,

### **Collaboration in projects:**

**2009 – 2014; PhD student** in research project, "Immunoreactions to hantaviruses and leptospira" University Hospital for Infectious Diseases "Dr. Fran Mihaljević", Zagreb, (P.I. prof. Alemka Markotić, MD, PhD)

**2007 – 2010; Technology research and development projects Core**, "The Center for emergent and re-emergent infectious diseases" (J-29-2007), University Hospital for Infectious Diseases "Dr. Fran Mihaljević", Zagreb, Croatia (P.I. prof. Alemka Markotić, MD, PhD)

**2006;** RiViGene (Risk Virus Gene Database) - Genomic inventory, forensic markers, and assessment of potential therapeutic and vaccine targets for viruses relevant in biological crime and terrorism, Bernhard Nocht Institute for Tropical Medicine, Hamburg, Germany (Coordinator: Christian Drosten, PhD)

### **Research achievements:**

**2008 – 2010** The National Foundation for Science, Higher Education and Technological Development of the Republic of Croatia (NZZ): Fellowships for Doctoral Students for research "Hantaviruses and apoptosis"

**2008** European Society of Clinical Microbiology and Infectious Diseases (ESCMID): Travel grant for training in foreign institutions

**June 2008** European Society of Clinical Microbiology and Infectious Diseases (ESCMID) Attendance Grant for the ESCMID Conference on Viral Hemorrhagic Fevers, Istanbul, Turkey November 2007 Croatian Ministry of Science, Education and Sport Attendance Grant for the 7<sup>th</sup> McLaughlin Symposium in Infection and Immunity 2007, Galveston, USA

### **Publications:**

- 1.** Svoboda P, Dobler G, Markotić A, **Kurolt IC**, Speck S, Habuš J, Vucelja M, Cvetko Krajinović L, Tadin A, Margaletić J, Essbauer S. Survey for hantaviruses, tick-borne encephalitis virus and *Rickettsia* spp. in small rodents, Croatia. (submitted to Vector-Borne and Zoonotic Diseases, 2013)
- 2.** Tadin A, Bjedov L, Margaletić J, Žibrat B, Cvetko Krajinović L, Svoboda P, **Kurolt IC**, Štritof Z, Turk N, Đaković Rode O, Čivljak R, Kuzman I, Markotić A. High infection rate of bank voles (*Myodes glareolus*) with Puumala virus is responsible for the winter outbreak of hemorrhagic fever with renal syndrome on Medvednica mountain in Croatia. (submitted to Epidemiology and Infection, 2013)
- 3.** Merdić E, Perić L, Pandak N, **Kurolt IC**, Turić N, Vignjević G, Štolfa I, Milas J, Sudarić Bogojević M, Markotić A. West Nile virus outbreak in humans in Croatia, 2012. Coll Antropol. 2013; 37: 943-947
- 4.** **Kurolt IC**, Betica-Radić L, Daković-Rode O, Franco L, Zelená H, Tenorio A, Markotić A. Molecular characterization of dengue virus 1 from autochthonous dengue fever cases in Croatia. Clin Microbiol Infect. 2013; 19:E163-5.
- 5.** **Kurolt IC**, Paessler S, Markotić A. Resequencing of the Puumala virus strain Sotkamo from the WHO Arbovirus collection. Virus Genes. 2012; 45:389-92