

# **Advanced Diagnostics of Parasitic Diseases**

Acronym: **ADIPAR**

(2004–2008)

**Marie Curie Host Fellowship for the Transfer of  
Knowledge (ToK) project,  
Human Resources and Mobility (HRM)**

**6<sup>th</sup> Framework Programme of the  
European Commission  
Contract No. MTKD-CT-2004-509797**



**Witold Stefański Institute of Parasitology  
Polish Academy of Sciences  
Warsaw, Poland**

## **Overview of the ADIPAR project**

The project is a Transfer of Knowledge, development scheme action. These fellowships are directed at European organisations (universities, research centres, enterprises, etc.) in need of developing new areas of competence, as well as at furthering the development of research capabilities in the less-favoured regions of the EU and in the Associated Candidate Countries. Knowledge transfer fellowships will allow experienced researchers to be hosted at such organisations for the transfer of knowledge, research competencies and technology. The goal of the project is to implement advanced diagnostic techniques such as: DNA based assays and serological assays in the W. Stefański Institute of Parasitology of the Polish Academy of Sciences. The Institute is a unique parasitological establishment, which conducts multi- and interdisciplinary research in the field of medical and veterinary parasitology, zoology, immunology, molecular biology, genetics, biochemistry, physiology and ecology. The objective of the project is to develop a new area of competence in the field of diagnostics and as a result create a research establishment cohesive with European policies. This will be achieved through the recruitment of experienced researchers, who possess a high level of expertise in this area of research. The knowledge transfer is further realized through the secondments of the Institute's experienced researchers to leading parasitological partner organizations in France, Sweden and Italy. Further objectives of the project are connected with the integration of our facility into the European Research Area. The project is envisaged to increase the national and international competitiveness of the Institute, contribute to building European research potential and have a profound, long-lasting influence on the scientific development of the establishment.

**The general research goals are:**

- Introducing of the new diagnostic methods and policies into the research practice of the Institute
- Developing laboratory infrastructure necessary for the implementation of the new methods
- Training of staff in the application of the introduced methods
- Implementing the new methods into the research topics conducted under the project
- Further development and introduction of these methods into other research topics

The non-scientific objectives aim at creating a competent, leading national establishment with increased national and European competitiveness and a greater impact on society and economy.

**The specific scientific tasks are:**

- Molecular analysis and diagnosis *Neospora caninum*
- Improvement of the diagnostic level of trichinellosis in animals at the slaughterhouse
- Development of a molecular assay for the detection of *Haemonchus contortus* in ruminants
- Improved diagnosis of *Ashworthius sidemi*
- Molecular and serological diagnostics of *Fasciola hepatica*

**The Co-ordinator of the "ADIPAR" project:**

- Witold Stefański Institute of Parasitology, Polish Academy of Sciences established in
- Poland, Warsaw

### **Partner Institutions:**

- Swedish National Veterinary Institute established in Sweden, Uppsala
- Istituto Superiore di Sanita established in Italy, Rome
- Institut National de la Recherche Agronomique established in France, Paris

### **Incoming researchers**

- **Dr Simone Caccio** – Istituto Superiore di Sanita, Roma, Italy, Department of Infectious, Parasitic and Immunomediated Diseases (June-October 2005)
- **Dr Erland Ljunggren** – National Veterinary Institute, Department of Parasitology, Uppsala, Sweden (February 2006-February 2008)
- **Dr Anu Näreaho** – Department of Basic Veterinary Sciences, Faculty of Veterinary Medicine, University of Helsinki, Finland (September 2006-September 2007)
- **Dr Maria Vitale** – Istituto Zooprofilattico Sperimentale della Sicilia, Italy, Molecular Biology Department (May-August 2007)

### **Outgoing researchers**

- Dr Justyna Bień – Istituto Superiore di Sanita, Roma, Italy, Department of Infectious, Parasitic and Immunomediated Diseases (6 months, 2007)
- **Dr Katarzyna Goździk** – National Veterinary Institute, Department of Parasitology, Uppsala, Sweden (6 months, 2006 and 3 months, 2007)
- **Dr Luiza Jedlina-Panasiuk** – National Veterinary Institute, Department of Parasitology, Uppsala, Sweden (3 months, 2006 and 3 months, 2007); French Food Safety Agency, Joint Research Unit for Parasite and Fungus Immunology and Molecular Biology, Institut National de la Recherche Agronomique, Paris, France (6 months, 2008)
- **Dr Monika Kozak** – National Veterinary Institute, Department of Parasitology, Uppsala, Sweden (3 months, 2006); French Food Safety Agency, Joint Research Unit for Parasite and Fungus Immunology and Molecular Biology, Institut National de la Recherche Agronomique, Paris, France (6 months, 2008)

Prof. dr hab. Władysław Cabaj  
Co-ordinator of the ADIPAR project

Links: (<http://cordis.europa.eu/fp6/dc/index.cfm?fuseaction=UserSite.FP6HomePage>)  
(<http://cordis.europa.eu/mariecurie-actions/tok/home.html>)  
(<http://www.ipar.pan.pl/adipar/>)

# **"Advances in Diagnostics of Parasitic Diseases: Current trends and future prospects"**



**CONFERENCE**

**29-30 May 2008 Warsaw, Poland**

This Conference is organized by the Witold Stefański Institute of Parasitology of the Polish Academy of Sciences within the ADIPAR project.

**The aim of the conference is to present current research trends in the field of parasitological diagnostics, present the scientific achievements of the project and disseminate knowledge about the project on a national and international level.**

### **Organizing Committee**

**Dr Katarzyna Goździk (chair)**

**Dr Justyna Bień**

**Dr Monika Kozak**

**Dr Luiza Jedlina-Panasiuk**

### **Scientific Committee**

**Prof. Edoardo Pozio**, Istituto Superiore di Sanita (ISS), Roma, Italy

**Dr Jens Mattsson**, National Veterinary Institute (SVA), Uppsala, Sweden

**Prof. Halina Wędrychowicz**, Department of Parasitology, Warsaw Agricultural University and Institute of Parasitology, Warsaw Poland

**Prof. Władysław Cabaj**, Institute of Parasitology, Warsaw, Poland

**Dr hab. Bożena Moskwa**, Institute of Parasitology, Warsaw, Poland