

## Information

Symposium web site:

<http://www.ars.usda.gov/meetings/AGAH2007/>

Symposium Venue:

World Organisation for Animal Health (OIE)

Headquarters located at

12 rue de Prony, 75017 Paris, France

Tel.: 33 (0) 1 44 15 18 88

Fax: 33 (0) 1 42 67 09 87

Hotel reservations:

Please contact Elysées West Hôtels at

<http://uk.ewh.com/hotels-paris.php>

Registration Fee:

Registration fees cover conference documents, coffee breaks, and the Proceedings of the conference. To register, please complete the registration form on the web and submit the corresponding fee to the IABS office in Geneva:

Mrs. Uta Hornischer

International Association for Biologicals

8 chemin de la Gravière

CH-1227, Acacias-Geneva

Switzerland

Tel.: (41) 22 301 10 36

Fax: (41) 22 301 10 37

Email: [iabs@iabs.org](mailto:iabs@iabs.org)

BEFORE SEPTEMBER 21, 2007:

Academic/Government:

[ ] Graduate students \$ 400

[ ] Post-doctoral fellows \$ 450

[ ] Government \$ 500

[ ] Academic/University \$ 550

[ ] Industry/Private sector \$ 700

AFTER SEPTEMBER 21, 2007:

Late registration surcharge \$100

Number of places is limited.

For payment options, refer to the symposium website. IABS will not process registration forms submitted without payment.

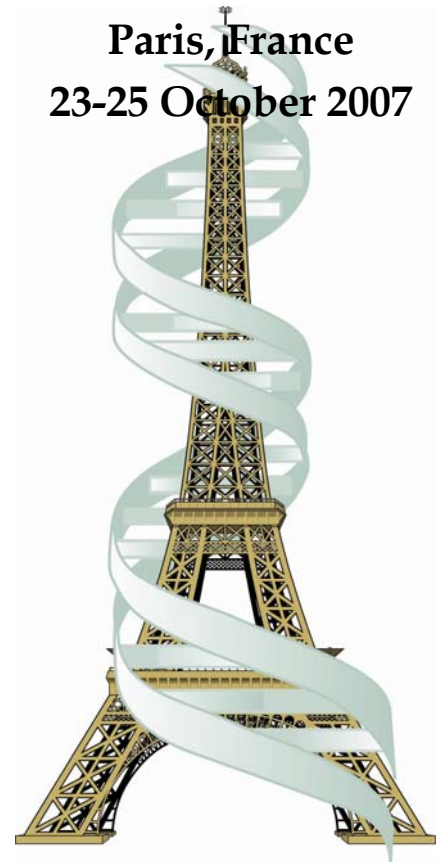
## **Steering Committee:**

- Cyril GAY, ARS-USDA, USA (Chair)
- Michel LOMBARD, IABS, Switzerland
- Paul-Pierre PASTORET, BBSRC/OIE, UK
- Bernard VALLAT, OIE, France
- Marie-Hélène PINARD-VAN DER LAAN, EADGENE, France

## **Scientific Committee:**

- Marie-Hélène PINARD-VAN DER LAAN, INRA, France (Chair)
- Cyril GAY, ARS-USDA, USA (Vice Chair)
- Stephen BISHOP, Roslin Institute, UK
- Abdenour BENMANSOUR, INRA, France
- Patrick CHARDON, INRA, France
- Hans CHENG, ARS-USDA, USA
- Luiz COUTINHO, University of Sao Paulo, Brazil
- Lou GASBARRE, ARS-USDA, USA
- Liz GLASS, Roslin Institute, UK
- Susan LAMONT, Iowa State University, USA
- Frederick C. LEUNG, University of Hong Kong, China
- Bonnie MALLARD, University of Guelph, Canada
- Paul-Pierre PASTORET, BBSRC/OIE, UK
- Mari SMITS, ID-Lelystad/WUR, Netherlands
- Gene WIJFFELS, CSIRO, Australia

# International Symposium on Animal Genomics for Animal Health



## Mission

The purpose of this symposium is to identify critical needs and opportunities to advance the use of animal genomics to solve problems in animal health.

## **Conference Programme**

### Tuesday, 23 October 2007

Welcome/Introduction

**Dr. Marion Guillou** – President of INRA, France

Symposium Objective 1:

What has the human genome accomplished?

Topic: The Human Genome – Outcomes and Impact on Biomedical Research

**Prof. Philippe Kourilsky** – Professor at the Collège de France and Chair of the Singapore Immunology Network, France "The Human Genome and biomedicine: past and future impacts"

Topic: The Contribution of Animal Genomics in Understanding Human Diseases

**Prof. Lawrence B. Schook** – Institute of Genomic Biology/University of Illinois, Urbana-Champaign, USA "DNA-based animal models of human disease: from genotype to phenotype"

**Prof. Albert D.M.E. Osterhaus** – Erasmus Medical Center, Rotterdam, The Netherlands "Use of genomics in animal models to elucidate the pathogenesis of human respiratory virus infections"

Symposium Objective 2:

A short review of where we stand with the animal genomes and animal health.

**Prof. Michel Georges & Dr. Carole Charlier** – University of Liège, Belgium "Epigenetic lessons from livestock: about imprinting and miRNAs"

**Prof. Mari Smits** – Animal Sciences Group, ID Lelystad, The Netherlands "Exploiting genomics to improve animal health"

**Dr. Marnie Mellencamp** – Genus PLC, Hendersonville, TN, USA "Improving pig health through genomics: the view of industry"

### Wednesday, 24 October 2007

Symposium Objective 3:

Examples of research projects that are using animal genomics to understand animal diseases, disease susceptibility, desirable animal health traits, and the development of new tools to prevent and control animal diseases.

**Prof. Yaofeng Zhao** – China Agricultural University, China "Comparison of immunoglobulin isotypes, diversity generating mechanisms, class switch combination in animals"

**Dr. Pete Kaiser** – Institute for Animal Health, Compton, Berkshire, UK "Integrated Immunogenomics in the chicken: deciphering the immune response to identify disease resistance genes"

**Dr. Hsiu Cheng Liu** – North Carolina State University, Raleigh, NC, USA "Proteomic dissection of viral pathogenesis"

**Dr. Hans Cheng** – USDA-ARS, East Lansing, MI, USA "Using integrative genomics to elucidate genetic resistance to Marek's disease in chicken"

**Dr. Hyun Lillehoj** – USDA-ARS, Beltsville, MD, USA "Molecular and quantitative genetic approaches to investigate parasitic disease resistance mechanisms and novel vaccine strategy"

**Dr. John Hansen** – US Geological Survey, Western Fisheries Research Center, Seattle, WA, USA "Detecting the enemy within: genomic aspects of the NLR family in teleosts"

**Dr. Orla Keane** – AgResearch, University of Otago, Dunedin, New Zealand "Identifying genes for intestinal nematode resistance using transcriptional profiling"

Ten selected presentations from abstracts

### **Poster Viewing**

### Thursday, 25 October 2007

Symposium Objective 4:

Critical needs and future applications in animal health.

**Prof. Mike Goddard** – University of Melbourne, Victoria, Australia "Use of high density genotyping in animal health"

**Dr. Helen Sang** – Roslin Institute, Scotland, UK "Use of transgenics to study disease in the chicken"

**Dr. Jeanne Burton** – Michigan State University, East Lansing, MI, USA "Transcriptome modifying effects of stress on bovine leukocytes: friend or foe?"

**Dr. Luciana Correia de Almeida Regitano** – Embrapa, Sao Paulo, Brazil "On the search for markers of tick resistance in bovine"

**Dr. Liz Glass** – Roslin Institute, Scotland, UK "Genetics of response to vaccination"

**Dr. Thierry Pineau** – INRA, France "Contribution of genomics in toxicology"

Three selected presentations from abstracts

Symposium Roundtable:

"Addressing critical needs in animal health: the next steps for research and industry"

Roundtable chaired by:

**Prof. Alan Archibald** – Roslin Institute, Scotland, UK

**Dr. Lorne Babiuk** – VIDO, Saskatoon, SK, Canada

Participants:

**Bonnie Mallard** – University of Guelph, Canada

**Steve Bishop** – Roslin Institute, Scotland, UK

**Montse Torremorrell** – Genus PLC

**Graham Plastow** – Alberta Bovine Genomics Program

**Jim McKay** – EW Group

**Jean-Christophe Audonnet** – Merial

Closing Remarks

**Dr. Bernard Vallat** – Director General of OIE, France