

**RESEARCH CONFERENCES**

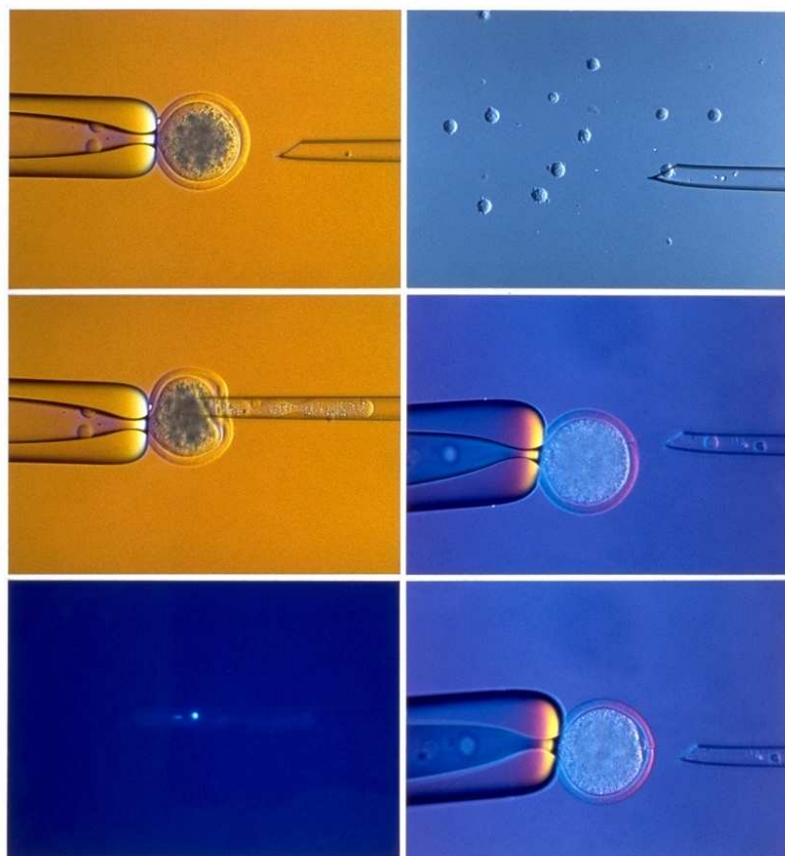
ESF-Wellcome Trust Conference

**Animal Biotechnology  
and its Applications to  
Animal and Human  
Health**

Wellcome Trust Genome Campus, Hinxton,  
United Kingdom  
14-16 June 2007

Chair: **Helen Sang**, Roslin Institute, UK  
Co-Chairs: **Jim Kaufman**, Institute for Animal Health, UK,  
**Michel Georges**, University of Liège, BE

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# Final Programme

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## Thursday 14 June

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16.00 Registration at the ESF-WT desk

### Session 1: Vaccines, Pharmaceuticals and Diagnostics

Chair: Jim Kaufman, Institute for Animal Health, UK

17.00-17.30 **Jean Manson**  
Roslin Institute, UK  
*The TSEs - diagnostic challenges and risk determination*

17.30-18.00 **Thomas Friedrich**  
University of Wisconsin-Madison, US  
*Tba*

18.00-18.15 **Adrian Smith** (Short Talk)  
Institute for Animal Health, UK  
*Parasite genetics as a tool to identify protective antigen-encoding loci*

19.00 Dinner

## Friday 15 June

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### Session 2: Genetic Modification

Chair: Helen Sang, Roslin Institute, UK

09.00-09.30 **Yoshimi Kuroiwa**  
Hematech Inc., Sioux Falls, US  
*Production of human antibodies in cattle*

09.30-10.00 **Alexander Pfeifer**  
University of Bonn, DE  
*Lentiviral Transgenesis and RNAi - Generation of Loss-of-Function Animal Models*

10.00-10.15 **Simon Lillico** (Short Talk)  
Roslin Institute, UK  
*Targeting lentiviral vectors*

10.15-10.45 **Helen Sang**  
Roslin Institute, UK  
*Methods and applications of transgenesis in the chicken*

10.45-11.15 Coffee Break

## Session 3: Cloning and Stem Cells

Chair: Helen Sang, Roslin Institute, UK

- 11.15-11.45      **Karim Nayernia**  
University of Newcastle-upon-Tyne, UK  
*From Stem Cells to Germ Cells*
- 11.45-12.15      **Heiner Niemann**  
Department of Biotechnology, Institute for Animal Breeding, DE  
*Somatic cloning based strategies for the production of multi-transgenic pigs for xenotransplantation*
- 12.15-12.30      **Cesare Galli (Short Talk)**  
Istituto Sperimentale Italiano Lazzaro Spallanzani, Cremona, IT  
*PRNP knockout in cattle*
- 12.30              Lunch

## Session 4: Ethics and Regulatory Issues

Chair: Helen Sang, Roslin Institute, UK

- 14.00-14.30      **Peter Sandøe**  
KVL, DK  
*Ethical perspectives on animal biotechnology*
- 14.30-15.00      **Paul-Pierre Pastoret**  
Université de Liège, BE  
*Animal health and vaccines*

## Session 5: Models of Human Disease

Chair: Jim Kaufman, Institute for Animal Health, UK

- 15.00-15.30      **Ronald Bontrop**  
Biomedical Primate Research Centre, NL  
*Why are chimpanzees not susceptible to AIDS*
- 15.30-16.00      **Russell Foster**  
University of Oxford, UK  
*Mouse to Man: A case study in circadian biology*
- 16.00-16.30      Coffee Break
- 16.30-17.00      **Alan McNeilly**  
MRC Human Reproductive Sciences Unit, UK  
*Sheep as a model for human reproductive disease*
- 17.00-17.30      **Jim Kaufman**  
Institute for Animal Health, UK  
*A new dawn of the chicken as a model system*
- 17.30-17.45      **Venugopal Nair (Short Talk)**  
Institute for Animal Health, UK  
*Marek's disease: A natural disease model for virus-induced lymphoma*
- 18.30-19.30      Drinks Reception
- 19.30              Conference Dinner

## Saturday 16 June

### Session 6: Animal Breeding and Genomics

Chair: Michel Georges, University of Liège, BE

- 09.00-09.30      **Michel Georges**  
University of Liège, BE  
*Epigenetic lessons from livestock: about imprinting and miRNAs*
- 09.30-10.00     **Leif Andersson**  
University of Uppsala, SE  
*Comparative Genomics of Monogenic and Multifactorial Traits in Domestic Animals*
- 10.00-10.30     **Theo Meuwissen**  
University of Norway, NO  
*Marker assisted selection-statistical genetics*
- 10.30-11.00     Coffee Break
- 11.00-11.30     **Carole Charlier**  
University of Liège, BE  
*Effective heredo-surveillance: on the power of genome-wide association mapping of monogenic defects in cattle*
- 11.30-12.30     **Conclusions & Plenary Discussion**
- 12.30             Sandwich Lunch and Departure

### Abstracts, Posters & Short Oral Presentations

There will be no short talks other than those listed in the programme. All abstracts are accepted as posters. Posters will be displayed for the whole duration of the conference.