

# Charles River Laboratories Short Course

*THIRD EUROPEAN EDITION*  
(English language)

# 2005



**FINAL  
PROGRAMME**

*Hilton Hotel, Strasbourg, France*  
**February 2 - 3 - 4, 2005**



**CHARLES RIVER  
LABORATORIES**

*Accelerating the Search for Healthier Lives™*

# Charles River Short Course

THIRD EUROPEAN EDITION

STRASBOURG, HILTON HOTEL FEBRUARY, 2 - 3 - 4, 2005

**Tuesday February, 1** 17.00 - 20.30 Welcome - Registration

**Wednesday February, 2** 7.30 - 8.00 Last registration  
Plenary session N°1 "Model development and control"

**Thursday February, 3** Parallel session 1 / half day a.m.  
"Environmental complexity: the unknown variable for research"  
Parallel session 1 / half day p.m.  
"Forthcoming European Legislation: the impact"  
Parallel session 2 / full day  
"Technical advances and experimental refinement"

**Friday February, 4** Plenary session N°2  
"Health monitoring and control: new tools and emerging issues"

## PROGRAMME

### WEDNESDAY - FEBRUARY, 2

#### PLENARY SESSION N°1

#### "MODEL DEVELOPMENT AND CONTROL"

**Chairperson: Sagrario Ortega, CNIO, Madrid, S**

- ⇒ **8.00 – 8.15** Opening and introduction
- ⇒ **8.15 – 9.00** Model definition, characteristics and selection.  
*Hans Hedrich, Hannover Medical School, D*
- ⇒ **9.00 – 9.45** Disease models: general and comparative review of technical approaches in model creation, current trends.  
*Diederik Moechaers, Johnson & Johnson, Beerse, B*
- ⇒ **9.45 – 10.15** Break
- ⇒ **10.15 - 11.00** ENU mutagenesis in forward and reverse genetics: fast generation of genetic variants for functional analysis and target validation in mice and rats.  
*Jürgen Laufs, Ingenium Pharmaceuticals, München, D*
- ⇒ **11.00 - 11.45** New strategies and future applications in rodent transgenesis, (including target mutation in rat).  
*Alexandre Fraïchard, Genoway, Lyon, F*
- ⇒ **11.45 - 12.30** 'Functional' KO approaches, comparison with DNA approaches.  
*Aymeric Dugray, Nokad, Paris, F*
- ⇒ **12.30 - 13.30** Lunchtime (buffet)
- ⇒ **13.30 - 14.15** New therapeutic targets, Quantitative Trait Loci.  
*Ron Korstanje, University of Groningen / The Jackson Laboratory, NL/USA*
- ⇒ **14.15 - 15.00** Importance of defined genetic background to experimental design..  
*Lawrence Wrabetz, DIBIT, Milan, I*
- ⇒ **15.00 - 15.15** Break
- ⇒ **15.15 - 16.00** Phenotypic evaluation and identification of new targets in drug discovery.  
*Jan Tornell, AstraZeneca, Molndal, S*
- ⇒ **16.00 - 16.45** Use of cryo-preserved embryos for international shipments and to accelerate projects.  
*Emmanuel Gomas, CRL, Lyon, F*
- ⇒ **16.45 - 17.30** Assisted reproductive technologies at the Jackson Laboratory.  
*Robert Taft, The Jackson Laboratory, Bar Harbor, MA, USA*
- ⇒ **17.30** Conclusion

## PARALLEL SESSION 1 / HALF-DAY MORNING "ENVIRONMENTAL COMPLEXITY: THE UNKNOWN VARIABLE FOR RESEARCH"

**Chairperson: Hilton Klein**, Merck, West Point, PA, USA

- ⇒ **8.00 - 8.15** Introduction of the session by the chairperson.
- ⇒ **8.15 - 8.45** Impact of cage environment and routine procedures on animals and experimental results.  
*Jann Hau*, University of Copenhagen and Rigshospitalet, D
- ⇒ **8.45 - 9.15** Enrichment ideas for primates within the research environment.  
*Keith Morris*, Medical Research Council, Edinburgh, UK
- ⇒ **9.15 - 9.45** Importance and effects of enrichment on physiology and behaviour in mice.  
*Hansjoachim Hackbarth*, Veterinary University of Hannover, D
- ⇒ **9.45 - 10.15** Break
- ⇒ **10.15 - 10.45** More mice, more quickly: troubleshooting colony breeding performances.  
*Kathleen Pritchett*, CRL Wilmington, MA, USA
- ⇒ **10.45 - 11.15** Qualification of IVC systems: air velocity, noise, control of contaminant at the source.  
*Germain Rivard*, Ithaca, NY, USA
- ⇒ **11.15 - 11.45** Modeling diet – Induced obesity in mice.  
*Jay Palmer*, The Jackson Laboratory, Bar Harbor, MA, USA
- ⇒ **11.45 - 12.15** Possible implications of xenoestrogens on results of experiments in laboratory animals.  
*Franziska Götz*, Institut of Experimental Endocrinology, Humboldt University Medical School (Charité), Berlin, D
- ⇒ **12.30 - 13.30** Lunchtime

## PARALLEL SESSION 1 / HALF-DAY AFTERNOON FORTHCOMING EUROPEAN LEGISLATION : THE IMPACT

**Afternoon Chairperson: Gabriele Küsters** Sanofi-Aventis, Strasbourg, F

- ⇒ **13.30 - 13.50** For the Authorities:  
ETS 123 and 86/609/EEC revisions, current situation and perspectives.  
*David Anderson*, Home Office Inspectorate, Dundee, UK
- ⇒ **13.50 - 14.10** For the Pharmaceutical Industry:  
The research based pharmaceutical industry: impacted and engaged in constructive dialogue.  
*Gabriele Küsters* Sanofi-Aventis, Corporate Public Affairs, Strasbourg, F
- ⇒ **14.10 - 14.30** For Contract Research Organizations:  
Compatibility of social primate housing and reproductive / developmental toxicity testing.  
*Gerhard Weinbauer*, Covance, Muenster, D
- ⇒ **14.30 - 14.50** For the Academic / Governmental Research.  
Will our research become better – basic science perspective ?  
*Rudi Balling*, GSF, Braunschweig, D
- ⇒ **14.50 - 15.30** Break
- ⇒ **15.30 - 15.50** For the Commercial Breeders:  
The impact of ETS 123 on a large commercial rodent breeding operation in the UK.  
*Alan Smith*, CRL, Margate, UK
- ⇒ **15.50 - 16.10** Inspections: a useful tool for quality management.  
*Eddy Rommel*, Rommel Consulting Partners, Jodoigne, B
- ⇒ **16.10 - 16.30** The US perspective, towards a future of increasing worldwide harmonization: the outcome of the 2003 ILAR conference.  
*Hilton Klein*, Merck, West Point, PA, USA
- ⇒ **16.30 - 16.50** European Guidelines for the Transport of Laboratory Animals.  
*Jeremy Swallow*, Pfizer, Sandwich, UK
- ⇒ **16.50 - 17.45** Panel discussion.

## PARALLEL SESSION 2 / FULL DAY

### "TECHNICAL ADVANCES AND EXPERIMENTAL REFINEMENT"

**Chairperson: Claudio Bernardi**, Nerviano Medical Science, Milan, I

- ➡ **8.15 - 9.00** Ethics & technology / better science is contributing to 3 Rs  
Refinement of euthanasia procedures.  
*Paul Flecknell*, University of Birmingham, UK
- ➡ **9.00 - 9.45** Imaging of the cardiovascular system in animal models.  
*Martin Murphy*, CRL Biolabs, Ballina, IRL
- ➡ **9.45 - 10.30** Chronic catheterization in large animals: technical and welfare issues  
*Francesco Carù*, Nerviano Medical Science, Milan, I
- ➡ **10.30 - 11.00** Break
- ➡ **11.00 - 11.45** Of Mice and Men - its all about the phenotype: applications of multi-analyte profiling to disease modelling and drug discovery.  
*Ralph McDade*, RBM, Austin, Texas, USA
- ➡ **11.45 - 12.30** Vascular access and catheter material.  
*René Remie*, Solvay Pharmaceuticals, Weesp, NL
- ➡ **12.30 - 13.30** Lunchtime
- ➡ **13.30 - 14.15** High-throughput phenotyping of GM modified lines, the IGBMC experience.  
*Hamid Meziane*, IGBMC, Strasbourg, F
- ➡ **14.15 - 14.45** Delivery of anti-cancer drugs by osmotic mini pumps: experiences with protein- and nucleic acid-based therapies.  
*Seyedhossein Aharinejad*, Vienna Medical University, A
- ➡ **14.45 - 15.15** Break
- ➡ **15.15 - 15.45** Refinement of a mouse model of hindlimb ischemia  
*Tibor Ziegelhöffer*, Kerckhoff Institut, Bad Nauheim, D
- ➡ **15.45 - 16.30** Advances in telemetry: stress-free animal models, improved animal welfare and high quality data.  
*Eric Rieux*, DSI, Les Angles, F
- ➡ **16.30 - 17.15** Current technical trends in molecular genetic testing of rodent colonies.  
*Bruce Elder*, CRL, Troy, NY, USA
- ➡ **17.15 - 17.45** Last questions.

see next page ●●●➡

Please send the registration form to : **Marie-France CAMBIER**

**Charles River Laboratories France - Training Department BP. 0109 F - 69592 L'ARBRESLE France**

Please make sure that your registration form is **fully completed**. Thank you.



Mr  Ms  Family name: ..... First name: .....

Title/Position: ..... Department/Division: .....

Institution/Company: .....

Full address: .....

Zip Code: ..... City: ..... Country: .....

Telephone: ..... E-mail: .....

Please register me to the European Charles River Short Course.  
Register fee : 800 euro VAT non included, 956,80 euro VAT included for the three days.  
**CHARLES RIVER LABORATORIES France**      **SOCIETE GENERALE**      **Account n° 30003 02280 00020401513 26**  
**Bank transfer: please mention** ➡ **NAME / SC2005**      **IBAN FR76 30003 02280 00020401513 26**

Invoice to be sent to (company / institut name and dpf).....

Please note that I plan to stay in Hilton hotel  
From.....to..... February 2005 (total number of nights :.....)

Please note that I plan to stay in another hotel, I will find my own accommodation.

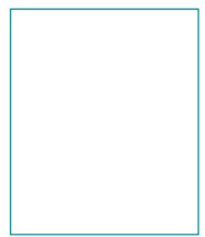
Date :

Signature :

PLENARY SESSION N°2  
"HEALTH MONITORING AND CONTROL:  
NEW TOOLS AND EMERGING ISSUES"

Chairperson: **Judy Mc Arthur-Clark**, BioZone Ltd, UK

- **8.30 - 9.15** Utilizing the Polymerase Chain Reaction PCR for the detection of rodent infectious agents.  
*Kenneth Henderson*, CRL, Wilmington, MA, USA
- **9.15 - 10.00** Advances in serology: recombinant antigens, bead fluorescence immunoassay and ILIMS.  
*William Shek*, CRL, Wilmington, MA, USA
- **10.00 - 10.30** Break
- **10.30 - 11.15** Review of immuno-compromised and other rodent models used in immunology, their experimental use, a practical experience.  
*Hans Acha-Orbea*, ISREC, Epalinges, CH
- **11.15 - 12.00** Health management adapted for conventional SPF or sensitive / fragilized models.  
*Philippe Bugnon*, ETH Zurich, CH
- **12.00 - 13.00** Lunchtime
- **13.00 - 13.45** Control of infectious agents, balancing the theoretical and the practical.  
*William White*, CRL, Wilmington, MA, USA
- **13.45 - 14.30** Environmental context determines phenotypes in experimental models of gastrointestinal diseases.  
*André Bleich*, Hannover Medical School, D
- **14.30 - 15.15** Intestinal micro-flora: a critical regulating factor for host immune status.  
*Marie-Christiane Moreau*, INRA, Jouy-en-josas, F
- **15.15 - 15.30** Break
- **15.30 - 16.15** Pathogenic, opportunistic or interfering organisms? Decision making in health monitoring: a world of grey areas.  
*Patrick Hardy*, CRL, Lyon, F
- **16.15 - 16.45** Hygiene and health management of dog colonies in the experimental pharmacology environment.  
*Thomas Bürge*, Novartis, Basel, CH
- **16.45 - 17.00** Last questions.
- **17.00 - 17.15** Closing of the meeting.  
Distribution of certificates of attendance



*Marie-France CAMBIER*  
*Training Department*  
*Charles River Laboratories France*  
*B.P. 0109*  
*F – 69592 L'ARBRESLE Cedex*

# Additional information

## Venue

The Short Course will be held in the **Hilton Hotel**.

Address: Avenue Herrenschmidt, F - 67000 **Strasbourg**.

Tel: 33.(0)3.88.37.10.10. Fax: 33.(0)3.88.36.83.27.

Web site: <http://www.hilton-strasbourg.com>

A tramway line is connecting the Hilton hotel to other locations in Strasbourg.

## Accommodation

- A **limited number of rooms** will be **available** at the special rate in the **Hilton Hotel**.

- Accommodation can also be made in **other hotels**.

For these, there **is no agreement for special rates**.

Please refer to the website: <http://www.strasbourg.com> (information in French and English) and click on "Office du Tourisme".

## Registration fee

**800 euro** VAT non included - **956,80 euro** VAT included for the **three days** payable to Charles River Laboratories France.

**Registration fee** must be **paid in full after the final announcement**.

The fee **does not** include travel expenses, accommodation, transport to/from the venue and the meals, except when specified in the programme.

## Social activities

February 2, get together cocktail in the Hilton Hotel.

February 3, course dinner.

## Practical information/registration/payment

Please contact **Marie-France CAMBIER** Training Department  
B.P. 0109 F-69592 L'ARBRESLE Cedex France

[shortcourse2005@eu.criver.com](mailto:shortcourse2005@eu.criver.com)

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