

# VETERINARY STATISTICS

8 & 9 March 2012, Conf. No. V3-8212



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To Register

If you have NOT received confirmation seven days after registering, please contact Registration Department.

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Website: [www.management-forum.co.uk](http://www.management-forum.co.uk)

Registration Information

## Dates

8 March 2012  
Start: 09.30 – Finish: 17.00

9 March 2012  
Start: 09.00 – Finish: 16.30

## Registration & Coffee

8 March 2012 09.00

## Venue

The Rembrandt Hotel, 11 Thurloe Place,  
London SW7 2RS.

## Directions

Opposite V&A Museum. Nearest Underground station: South Kensington. Map available on Website under Hotels and Venues.

## Accommodation

Subject to availability, a limited number of bedrooms have been reserved at The Rembrandt Hotel, 11 Thurloe Place, London SW7 2RS, at a special rate  
Hotel Tel: +44(0)20 7589 8100.  
Hotel Fax: +44(0)20 7225 3476.

Email: [reservations\\_rembbrandt@sarova.co.uk](mailto:reservations_rembbrandt@sarova.co.uk)

**All bookings should be made directly with the hotel or online at**

**[www.sarova.com/rembrandt](http://www.sarova.com/rembrandt), quoting promo code 'manforum'.**

## Fee

**£1,250 + VAT if applicable.** The fee includes course documentation as well as mid-session refreshments and lunch. Invoice and confirmation will be forwarded to you.

**Conference No. V3-8212**

## Discounted Rates

Available on application for personnel from non-profit making organisations and registered charities.

**Group discount available on request**

## Cancellation Policy:

Over 14 days prior to the Seminar: Cancellation fee of £75. 7/14 days prior to the Seminar: 50% of the fee. Fewer than 7 days or if no notification received: Registrant liable to pay FULL seminar fee.

**NB: Cancellations must be received in writing by [registrations@management-forum.co.uk](mailto:registrations@management-forum.co.uk).**

In the event of circumstances beyond its control, Management Forum reserves the right to alter the programme, the speakers, the date or the venue.

An Introduction to

# VETERINARY STATISTICS

A practical two day training course



## Benefits in Attending:

- Learn the Key Principles for Good Statistical Design
- Compare Clinical Data Sets
- Know How Much Data You Should Collect
- Understand Statistical Principles and the EMEA/ CVMP Guideline
- Clarify the Bioequivalence Guideline
- Consolidate Your Understanding with Case Studies
- Discuss Residue Guidelines
- Hear the New Developments
- Take Part in Workshops Sessions

With:

**Professor George Gettinby**

Professor in Statistics, Department of Statistics and Modelling Science, University of Strathclyde, Scotland

**Marie-Pascale Tiberghien**

Bayer Animal Health, Germany

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**8 & 9 March 2012**  
**The Rembrandt Hotel, London**

## INTRODUCTION

Statistical principles are widely used to underpin claims for efficacy and safety for a large number of animal health and veterinary products. In recent years these principles have been embodied in EMEA/CVMP guidelines and they are used for the development of both pharmaceutical and biological products.

**The overall goal of this workshop is to give non-statistical attendees an appreciation and understanding of the key statistical methods for designing, implementing and analysing clinical trials.** This is achieved by introducing the underlying statistical principles and software approaches, followed by discussions on their application and relevance to regulatory guidelines.

## WHO SHOULD ATTEND

This seminar is intended for members of the animal health and veterinary pharmaceutical industry who have to deal with the collection, analysis and evaluation of scientific data. In particular, it should be of value to trial monitors, trial investigators, animal health scientists, auditors and clinical researchers.

## ATTENDANCE LIMITED – EARLY REGISTRATION RECOMMENDED

This limitation, a unique feature of all MANAGEMENT FORUM seminars, will give participants the opportunity for a thorough discussion of the complex issues to be covered by the programme.

**A Certificate of Attendance for Professional Development will be given to each participant who completes the course**

## SPEAKERS

**Professor George Gettinby** is Professor in Statistics, Department of Statistics and Modelling Science at the University of Strathclyde. A Data Analyst with experience of working for the pharmaceutical industry and agencies and with particular interests in the analysis of data associated with the research, development and manufacture of veterinary and medical products. He is a member of various associations including the Royal Statistical Society, the Association of Consultants to the Biosciences Industries and various government committees.

**Marie-Pascale Tiberghien** Bayer Animal Health, Germany, previously EMEA Ruminant Marketing Manager, Merial, France. She has a Veterinary qualification (DVM) and an MSc in Applied Statistics and has more than 20 years experience in the veterinary pharmaceutical industry. She has designed and implemented clinical and field trials (Phase II and III) in the UK and France and has been employed by Rhone Mérieux/ Merial since 1995 in a variety of roles from Clinical Development to R&D Project Management and most recently Marketing.

## FORTHCOMING EVENTS

For a full list of forthcoming conferences and seminars please visit our website at: [www.management-forum.co.uk](http://www.management-forum.co.uk). You may make a registration and request a brochure on-line.

## DOCUMENTATION

Delegates will receive a course material folder containing comprehensive documentation provided by the speaker, which will be a valuable source of reference for the future.

## Programme Day One

8th March 2012

- **Welcome and Introduction**
- **Key Principles for Good Statistical Design**
  - Experimental units
  - Randomisation
  - Blocking
  - Case studies
- **Comparing Clinical Data Sets**
  - The statistical test
  - Interpretation of software output
- **How Much Data Should You Collect?**
  - Sample size estimation
  - Using available software for estimating sample size and statistical power
- **Practical Workshop**

## Programme Day Two

9th March 2012

- **Statistical Principles – EMEA/CVMP**
  - Primary and secondary endpoints
  - Superiority versus non-inferiority studies
  - Interim analyses
  - All randomised versus per protocol
- **Bioequivalence Guideline**
  - Crossover design
  - Criteria for bioequivalence
  - Worked example
- **Case Study and Consolidation**
- **Brief Discussion on Residue Guidelines**
- **New Developments**
  - Meta analysis
  - Software
- **Practical Workshop**