

Integrated Tablet Formulation Development

**Hotel Kong Frederick
Copenhagen Denmark
9 & 10 October 2007**

Course content

This unique 2 day course introduces and integrates the key elements of tablet development:

- **Preformulation studies**
 - ◆ Material characterisation
 - ◆ Morphic form identification
 - ◆ Salt selection
 - ◆ Compressibility testing
 - ◆ Process and material compatibility testing
- **Formulation development**
 - ◆ Formula selection
 - ◆ Process selection
 - ◆ Optimisation and the formulation cycle
 - ◆ Intermediate and Product characterisation
 - ◆ Organisational influences
 - ◆ Stability testing for regulatory purposes

and explains the important links between each of these. Proper integration of these elements is essential to achieve "Quality by Design" because data from each phase is used to control the next step in the development process. By achieving proper integration based on sound scientific principles, many development and production problems can be avoided. The course includes case studies of tablet development at the preformulation and formulation development phases as well a detailed step by step analysis of all elements of the tablet manufacturing process. Key process parameters and their control are identified.

Who will benefit from the course?

The course is designed for people new to tablet development, and those requiring a refresher in the area. It will also benefit Process Development experts wishing to extend their understanding of why processes can go wrong, and regulatory and quality personnel who need to understand the development process.

Course Leader



Dr Michael Gamlen is Managing Director of Pharmaceutical Development Services Ltd, a Guildford-based technical consultancy. Dr Michael Gamlen has over 30 years experience of tablet development. Awarded a First Class Honours degree in Pharmacy, specialising in Pharmaceutical Engineering, he studied for a PhD at Nottingham University. He was Head of Tablet Development at the The Wellcome Foundation for 15 years, and has since worked for Vanguard Medica Ltd and as a consultant. He specialises in managing product development, formulation, tablet and process development studies. He has been teaching professional tableting courses for many years.



**Pharmaceutical
Development
Services**

PharmaTraining Services

1st Floor
77 Leonard Street
London EC2A 4QS
UK

Tel: +44 20 7613 7232
Fax: +44 20 7681 3582

judy@pharmatrainingsservices.com

www.pharmatrainingsservices.com

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Course Outline

This 2 day course will consist of:

Day 1: Preformulation

- 9.00 Welcome and Introductions
- 9.10 Introduction to preformulation for product development
- 10.00 Coffee
- 10.30 Preformulation studies in context
 - Making use of your data
- 11.30 Material Characterisation techniques (1)
- 12.30 Lunch
- 14.00 Material Characterisation techniques (2)
- 14.45 Tablet components and their roles
- 15.30 Tea
- 16.00 Excipient compatibility testing
- 16.45 Case study—applying preformulation in tablet formulation
- 17.15 Course closes

Day 2: Tablet formulation—an introduction

- 09.00 Introduction to tableting operations
- 10.30 Coffee
- 11.00 Tableting operations (cont'd)
- 11.30 Tablet formulation development
- 12.30 Lunch
- 13.45 Formulation development case study
- 14.30 Formulation development case study 2
- 15.15 Compression testing and use of the Precision Compression Tester
- 16.00 Preparation for formal stability testing
- 16.30 Q and A
- 17.00 Course closes

Additional Resources

An extremely comprehensive CD-ROM will be provided containing extensive resources on preformulation and tablet formulation, as well as colour copies of all presentations and case studies

Numbers in our courses are limited to ensure that participants have the opportunity for thorough discussion of the issues to be covered and individual attention from our top-ranked Speakers

Presented by:

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*Comments from a previous
attendee*

*Good course, I will recommend
it to others.*

CD-Rom is very useful

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Venue

Hong Kong Frederick, Vester Voldgade 25, Copenhagen

Hong Kong Frederick is a deluxe hotel with a unique atmosphere. It is perfectly situated by the Town Hall Square, next to the famous Tivoli Gardens and the main pedestrian street, Strøget.

Hotel accommodation is not included in the course fee and should be booked and paid for separately.

Hotel details and booking information is available on the hotel website www.remmen.dk/kongfrederick

Terms and conditions

Delegate fees

Fees for this programme or suite of programmes are shown overleaf. Delegate fees are inclusive of course documentation, refreshments, lunch and course dinner on the evening of 9 October

Payment of the registration fee must be paid within 14 days of commencement of the course. Upon receipt of payment, a proof of payment will be sent to you.

Cancellation Policy

Full refunds less a handling fee of £100 will be made for cancellations received in writing within 28 days of the commencement of the course.

Refunds of 50% will be made for cancellations received in writing between 28 and 7 days prior to the commencement of the course.

Regrettably no refunds will be made after 7 days prior to commencement of the course.

Substitutions can be made at any time.

Liability

PharmaTraining Services reserves the right to change the programme, speakers, date or venue without notice or cancel the event. If cancellation occurs delegates will be notified as soon as possible and will receive full refund of fees paid.

PharmaTrainingServices will not be responsible for any airfare, accommodation or other travel costs incurred.

Course Calendar Autumn 2007

- Molecules to Markets—London
- Integrated Tablet Formulation and Development—Copenhagen Denmark
- Tablet Process Development and Validation—Copenhagen Denmark
- GMP Auditor Training—Ireland
- How to Audit API Manufacturers—Ireland
- The Challenges and Formulation Strategies for Poorly Soluble Drug Substances London
- Strategic Marketing—London
- Customer Focused Project Management—London

Check out the benefits, content, details, dates and times of our range of training programmes:



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We deliver a range of expert programmes in pharmaceutical development, quality assurance and regulatory topics, plus a new range of industry awareness courses. We employ speakers/trainers with a high degree of expertise, completely up to date with industry trends.

We run our programmes in a variety of locations, throughout the year. All of our programmes can be run in-house.

Contact **Judy Callanan** by email or telephone at any time to discuss

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REGISTRATION FORM

Please select the course you wish to book:	Please tick
Integrated Tablet Formulation Development: 9 & 10 October 2007 2 day course £1160 + VAT (Danish) £290 <div style="float: right;">Total £1450.00 €2120.00</div>	<input type="checkbox"/>
Integrated Tablet Formulation Development: 9 & 10 October 2007 and Tablet Process Development and Validation 16 & 17 October 2007 <i>At the reduced rate of</i> £1972.00 + VAT (Danish) £493 <div style="float: right;">Total £2465.00 €3600.00</div>	<input type="checkbox"/>

Total payable _____

Title (Mr/Mrs/Ms/Dr/Prof): _____ First name _____	
Surname: _____	
Position: _____	
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Address: _____ _____	
Post Code: _____	Country: _____
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Email address: _____	
Signature: _____	
Method of Payment <input type="checkbox"/> Cheque (Please make payable to "JA Conference Management") <input type="checkbox"/> Bank transfer Quoting reference: 713 Bank Account Name: JA Conference Management Barclays Bank, Muswell Hill & Crouch End Branch Sort Code: 205851 Account No: 10245038 <input type="checkbox"/> Credit/Debit Card Card Number: _____ Expiry Date: ____/____/____ Cardholder: _____ Address: _____ _____ Signature: _____ For security purposes please supply Security Code separately (email)	

**Please send completed
registration forms and
payment to:
Judy Callanan at:**

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