

Tabletting technology for the pharmaceutical industry



Royal
Pharmaceutical
Society
of Great Britain

A three-day residential course organised by the Royal Pharmaceutical Society of Great Britain in partnership with the Academy of Pharmaceutical Sciences

Monday 23 - Wednesday 25 November 2009 at the Moller Centre, Cambridge



www.rpsgb.org/events

OBJECTIVES:

An up-to-date and well-established residential course designed to:

- Provide delegates with an intensive course of study on the formulation, production and drug-release characteristics of pharmaceutical tablets.
- Inform delegates about the basic concepts of equipment selection, granulation and end-point determination, roller compaction, formulation optimisation and prediction, in-process monitoring (PAT), official and non-official dissolution tests, and film coating. It deals with development pharmaceuticals for registration.
- Describe the current state of knowledge of the subject, both in terms of theoretical basis and practical experience.

LEARN FROM A TEAM OF EXPERTS



Course Director

Kendal Pitt, Technical Director, GlaxoSmithKline

Dr Kendal Pitt has previously worked for Wellcome Foundation Ltd., Roche Pharmaceuticals and MSD for over 20 years in both the UK and USA and is now Technical Director at GSK. His primary research interests are in powder compaction, powder flow and granulation process optimisation, including the use of compaction simulators in tablet and capsule product development.

SPEAKERS

- Graham Buckton, University of London
- Michael Wilkins, GlaxoSmithKline
- Brian Helsdon, Manesty
- Terry Lewis, Casburt Limited
- Marshall Whiteman, Quindell Consulting
- Tesh Patel, Astellas
- Ken Leiper, Benson Associates
- Ashley Clarke, Merck, Sharp & Dohme

- Provide delegates with knowledge that they will be able to apply to day-to-day problems in tableting, linked to a sound theoretical knowledge of the principles involved.
- Enable delegates to discuss real challenges faced in day-to-day work through a blend of interactive workshops and problem-based learning sessions. Delegates are invited to send in advance, or bring to the course, their own problems in tablet formulation or production for discussion.
- Provide delegates with opportunities to network with other people in the field, as well as the expert course tutors, through informal discussion groups and a full social programme.

WHO SHOULD ATTEND

- Graduates or technical staff working in the field of formulation development or production of tablets.
- Those who have not previously worked in this field and who require an intensive introduction to tableting and the associated processes.

WHAT PREVIOUS DELEGATES HAVE SAID

“Excellent course, great to have such a varied background of participants and to be able to discuss ideas.”

“I have definitely learned subjects and topics which I will use back at work.”

“Very good course, good technical pitch and a very thorough overview of tableting area. Very enjoyable.”

VENUE

The Moller Centre is a modern and purpose-built conference and training venue in the grounds of Churchill College, Cambridge - easily accessible by road, train and air. Car parking facilities are available.



PROGRAMME

MONDAY 23 NOVEMBER

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|-------|--|
| 09.30 | Registration |
| 10.15 | Introduction
Kendal Pitt, GlaxoSmithKline |
| 10.45 | Granules and tablets: a review of the reasons for granulation and tableting, the classes of excipients and principles of operation of tableting machines
Graham Buckton, University of London |
| 11.30 | Material properties of importance for tableting(I)
Graham Buckton, University of London |
| 12.15 | Material properties of importance for tableting (II)
Graham Buckton, University of London |
| 12.45 | Lunch |
| 13.45 | A brief introduction to modified release
Graham Buckton, University of London |
| 14.15 | Dissolution testing
Graham Buckton, University of London |
| 14.45 | Key aspects of tablet formulation and characterisation
Michael Wilkins, GlaxoSmithKline |
| 15.45 | Tea |

- 16.00 Problem based learning 1: Active Pharmaceutical Ingredient (API)
Kendal Pitt, GlaxoSmithKline
- Problem based learning 2: Formulation development
Michael Wilkins, GlaxoSmithKline
- 16.45 Problem based learning (continued)
- 17.30 Close of day
- 18.30 Informal reception
- 19.30 Dinner



TUESDAY 24 NOVEMBER

- 08.15 Tableting machines and in-process control
Brian Helsdon, Manesty
- 09.15 Punch design
Terry Lewis, Casburt Limited
- 10.15 Coffee
- 10.30 Compaction simulation
Kendal Pitt, GlaxoSmithKline
- 11.30 An introduction to pharmaceutical coating technology
Marshall Whiteman, Quindell Consulting

PROGRAMME

12.30	Lunch
13.30	Coating-advances in techniques of formulation Marshall Whiteman, Quindell Consulting
14.30	Production workshop - two groups with Terry Lewis, Casburt Limited and Tesh Patel, Astellas
15.30	Tea
15.45	Production workshop - second session
16.45	Close of day
17.10	Social programme
19.45	Dinner



WEDNESDAY 25 NOVEMBER

08.30	Process Analytical Technology (PAT) applied to tableting Ken Leiper, Benson Associates
09.30	Roller compaction Kendal Pitt, GlaxoSmithKline
10.15	Coffee
10.30	Granulation equipment and end point control automation Ashley Clarke, Merck, Sharp & Dohme

PROGRAMME

- 11.15 Continuous processing concepts
Michael Wilkins, GlaxoSmithKline
- 12.00 Lunch
- 13.00 Scale-up of tablet manufacturing processes and
transfer from R&D to production
Ashley Clark, Merck, Sharp & Dohme
- 13.45 Compaction characterisation and process understanding
Kendal Pitt, GlaxoSmithKline
- 14.45 Concluding discussion
- 15.00 Close of course



CANCELLATION AND REFUND

Should you find that you are not able to attend the event after booking a place, please advise us in writing as soon as possible. If a colleague is able to attend in your place and you notify us in writing, we are pleased to accept the substitution at no charge. In the event that it is necessary to cancel a registration, please notify us in writing. A processing fee is payable. For cancellations, the following refunds will apply: Over 14 days: 90% of the fee; less than 14 but over 3 working days: 50% of the fee; three or less working days: nil. The time of notification is taken at the date of receipt of fax or letter. Substitution is permitted at any time if notified in writing. The RPSGB reserves the right to change the programme or cancel the event if necessary. The RPSGB does not accept liability for any expenses incurred by delegates.

TABLETTEG TECHNOLOGY FOR THE PHARMACEUTICAL INDUSTRY - 23-25 NOVEMEBER 2009 REGISTRATION FORM

Delegates will be registered upon receipt of the completed form and will liable to pay the fees.
Payment must be made before the start of the course.

Register before 31 July 2009 and save 10% Early Bird (before 31.07.09) Full Fee

Member	£1395	<input type="checkbox"/>	£1550	<input type="checkbox"/>
Non member	£1445	<input type="checkbox"/>	£1605	<input type="checkbox"/>
Member (no accommodation or evening meal)	£1105	<input type="checkbox"/>	£1260	<input type="checkbox"/>
Non member (no accommodation or evening meal)	£1155	<input type="checkbox"/>	£1315	<input type="checkbox"/>

Title	Forename	Surname
Job Title		Post code
Company		Email
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		Membership No.

☐ The contact details you have provided may be used to keep you informed about future RPSGB events, products and services. If you do not wish to receive such information by any of the methods listed below please indicate by ticking the corresponding box:

Dietary Requirements	Booking ref.
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☐ Bank transfer (Sort Code 60 60 04 Account Number: 70378193. National Westminster Bank, 91 Westminster Bridge Road, London SE1 7ZB) Quoting ref **MMS EVT 405**

☐ Debit/Credit card ☐ Maestro ☐ Mastercard ☐ Visa ☐ Amex

Card No.	Security No.	Issue No:
Card holder's name and address (if different from above)		Expiry
		Signed

ONE FORM PER PERSON PLEASE – PHOTOCOPIED FORMS ARE ACCEPTED

Please return this form with your payment to: Events Coordinator,
Royal Pharmaceutical Society of Great Britain, 1 Lambeth High Street, London SE1 7JN
Fax: 020 7572 2506 Email: events@rpsgb.org (Tel: 020 7572 2640)

NB. IF YOU DO NOT RECEIVE A CONFIRMATION OF YOUR PLACE VIA EMAIL WITHIN 5 WORKING DAYS OF SUBMITTING YOUR REGISTRATION FORM PLEASE LET US KNOW