

**STERILIZATION: PRINCIPLES AND VALIDATION
ASEPTIC PROCESSING: A COMPREHENSIVE REVIEW**

Take Either Course or Save on Both

MAY 28 – JUNE 1, 2018, ZURICH, SWITZERLAND

Course Descriptions

Sterilization: Principles and Validation – Monday-Wednesday

The sterilization course covers the entire range of sterilization processes utilized in the pharmaceutical, biotechnology and medical device industries. Sterilization methods, validation practices and related subjects to be covered include: Prerequisites for Sterilization; Microbiology of Sterilization; Use of Biological Indicators; Steam Sterilization for Porous Loads; Terminal Sterilization using Steam; Steam Sterilization-in-Place; Dry Heat Sterilization and Depyrogenation; Gas, Liquid and Vapor Sterilization (including isolator decontamination); Radiation Sterilization; Filtration Sterilization for Liquids; Compendial and Regulatory Considerations.

Aseptic Processing: A Comprehensive Review – Thursday-Friday

The aseptic course will provide comprehensive coverage of aseptic processing reviewing basic principles, technology choices, process design, environmental monitoring, and process simulation. The course will include sessions on aseptic processing risk assessment, contemporary regulatory expectations and future technologies process. The course materials and recommendations are wholly compatible with the regulatory expectations of FDA's 2004 Guideline on Sterile Drug Products Produced by Aseptic Processing and EMA's – Annex 1 on Sterile Medicinal Products.

Who Should Attend

These courses are intended for individuals working with sterilization, aseptic processing or process validation. Experienced individuals will refine their knowledge through interaction with industry experts. Those without a strong background will learn the basics and develop an understanding of the more advanced considerations. The courses are appropriate for personnel working in QA/QC, regulatory affairs, R&D, production, engineering, process development, validation, and microbiology.

Course Location

Zurich, Switzerland

The course will be held at the Hotel Continental near the center of Zurich, a 5 minute walk from the central railway station. A number of wonderful restaurants and shops are within easy walking distance. Zurich Airport is less than 10 km away, and can be easily reached by rail. Room reservations should be made directly with the hotel. The Hotel Continental Zurich can be reached at + 41 44 3606060 or by email h1196@accor.com

Discounts

Early registration must be received not less than 45 days prior to the start of the course in the form of full payment or purchase order. Early registration ends April 13, 2018. Group discounts are offered on each registration when 3 or more registrants from the same company attend the same course. Early registration and group discounts will be combined for greater savings.

Cancellations

Course fees are fully refundable, if written notice is received by Friday, April 27, 2018. After that date, your fee will be refunded less a € 150 per day cancellation fee.

Confirmation

Electronic confirmation of registration and invoice will be sent upon registration.

Substitutions

Substitutions are welcome without prior notice

Accommodations

Transportation, accommodation and other expenses are the responsibility of the attendee. We do not book accommodations for attendees. The Hotel Continental Zurich is located in the city center and there are numerous hotels within a 5 km mile radius to choose from.

Vegetarian Meals

Available if requested with registration.

Faculty

James Agalloco is President of Agalloco & Associates, which provides a range of technical services to the pharmaceutical and biotechnology industry. Since the formation of A&A in 1991, Jim has assisted more than 200 pharmaceutical, biotechnology, medical device, equipment manufacturers and bulk pharmaceutical firms in a range of validation, sterilization, aseptic processing and compliance areas. Jim has more than 45 years of industrial experience. He was previously employed at Bristol-Myers Squibb, Pfizer and Merck. He has a BE and MS in Chemical Engineering and an MBA in Pharmaceutical Studies.

Jim is a past President of the Parenteral Drug Association and served as an Officer or Director from 1982 to 1993. He is a current member of USP's Microbiology Expert Committee. He serves on the Editorial Advisory Boards of *Pharmaceutical Technology* and *Pharmaceutical Manufacturing*. Jim participates on the Scientific Advisory Boards of: MEDInstill; and VanRX.

He has authored or co-authored more than 40 book chapters, over 120 papers and has lectured extensively on process validation, aseptic processing, and sterilization, domestically. He is co-editor of "*Validation of Pharmaceutical Processes*", 3rd edition and "*Advanced Aseptic Processing Technology*."

Russell Madsen is President of The Williamsburg Group, engaged in pharmaceutical consulting in the areas of CGMP compliance and auditing, quality systems, design review, aseptic processing and sterilization technology, sterile filtration, due diligence evaluation, process validation, and regulatory liaison. Russ has over 45 years of experience in the pharmaceutical and related industries, including pharmaceutical manufacturing and quality control, medical devices, nutritional products, and consumer products.

Prior to establishing TWG, Russ was employed by PDA, Bristol-Myers Squibb, Sterling Drug and Winthrop Laboratories. He is a member of several USP's Expert Committees, a member of Pharmaceutical Technology's Editorial Advisory Board, and leads PDA's Filtration Interest Group. He is Vice-chair of ASTM E55 and serves as Vice-chair of E55.03 General Pharmaceutical Standards. He is the author and co-author of more than 50 papers and book chapters and is co-author of "*Contamination Control in Healthcare Product Manufacturing*."

Sterilization Course Schedule

Day 1 – Monday – May 28

8:00 - 8:30 AM

Registration
Morning Coffee

8:30 - 10:00 AM - Session 1

Welcome / Introductions
Prerequisites for Sterilization Validation
Microbiology of Sterilization

10:00 - 10:15 AM - Break

10:15 AM - 12:15 PM - Session 2

Biological Indicators Preparation & Use
Steam Sterilization Fundamentals

12:15 PM - 1:15 PM - Lunch

1:15 - 3:00 PM - Session 3

Parts Sterilization

3:00 - 3:15 PM - Break

3:15 - 4:45 PM - Session 4

Terminal Sterilization by Moist Heat

Day 2 – Tuesday – May 29

8:00 - 8:30 AM

Morning Coffee

8:30 - 10:00 AM - Session 5

Sterilization-in-Place
Bulk Liquid Sterilization

10:00 - 10:30 AM - Break

10:30 AM - 12:15 PM - Session 6

Dry Heat Sterilization & Depyrogenation

Day 2 Tuesday (continued)

12:15 PM - 1:15 PM - Lunch

1:15 - 3:00 PM - Session 7

Gas Sterilization
Liquid Sterilization
Vapor Sterilization

3:00 - 3:15 PM - Break

3:15 - 4:45 PM - Session 8

Radiation Sterilization
Equivalence in Sterilization
New Sterilization Methods

Day 3 – Wednesday – May 30

8:00 - 8:30 AM

Morning Coffee

8:30 - 10:15 AM - Session 9

Sterilizing Filtration – Principles

10:15 - 10:30 AM - Break

10:30 - 12:15 AM - Session 10

Sterilizing Filtration – Application &
Operation

12:15 – 1:15 PM - Lunch

1:15 - 3:00 PM - Session 11

US Regulatory & Compendial Expectations

3:00 - 3:15 PM - Break

3:15 - 4:45 PM - Session 12

EU Regulatory & Compendial Expectations

4:45 PM – Sterilization Course Ends

Aseptic Processing Course Schedule

Day 1 – Thursday – May 31

Aseptic Course Begins

8:00 - 8:30 AM

Registration
Morning Coffee

8:30 – 10:00 AM - Session 1

History of Aseptic Processing
Aseptic Processing Technologies

10:00 – 10:30 AM - Break

10:30 AM – 12:15 PM - Session 2

Sterility by Design

12:15 AM – 1:15 PM - Lunch

1:15 - 3:00 PM - Session 3

Facility / System Qualification

3:00 - 3:15 PM - Break

3:15 – 5:00 PM - Session 4

Environmental Monitoring

5:00 PM – Day 1 Ends

Day 2 – Friday – June 1

7:30 - 8:00 AM

Morning Coffee

8:00 - 9:45 AM - Session 5

Interventions / Process Simulation

9:45 - 10:00 AM - Break

10:00 – 11:45 AM - Session 6

Aseptic Processing Risk Assessment

11:45 AM - 12:45 PM - Lunch

12:45 – 2:30 PM - Session 7

Aseptic Processing Regulation &
Compliance

2:30 - 2:45 PM - Break

2:45 - 4:15 PM - Session 8

Future Directions in Aseptic Processing

4:15 PM – Aseptic Course Ends

Registration Form

Please print your name, address and company affiliation (use separate page for each attendee) or register online here: <https://www.congress-plus.ch/1805Courses.html>

Mr. Ms. Dr. Title.....

First NameLast Name

Company

Work Address

Country.....Zip/Mail CodeCity

PhoneFax

E-mail.....

Choose Course:

Sterilization Course Fee – Monday-Wednesday

Early Registration Fee: € 2,000 Normal Registration Fee: € 2,300

Aseptic Processing Course Fee – Thursday-Friday

Early Registration Fee: € 1,350 Normal Registration Fee: € 1,600

Combined Sterilization & Aseptic Processing Course Fee – Monday-Friday

Early Registration Fee: € 3,200 Normal Registration Fee: € 3,600

Early Registration Discount - Payment must be received no later than April 18, 2018.

Group Registration Discount - Three or more attendees from the same firm receive 10% discount on all registrations.

Discounts can be combined.

Payment - Please check the appropriate box:

By Bank Transfer (net without any charges) to the following account: IBAN (International Bank Account No.) CH6600770016064984948, Swift: BKBBCHBB, Basler Kantonalbank, CH-4005 Basel.

By Credit Card (4% charge will be added to the registration fee)

Card Number.....

Validity, MM/YY.....CVC Code:

Please return the completed form by fax or email to: Congress Plus GmbH, P.O. Box, CH-4002 Basel, Fax: +41 61 683 13 83, Email: registration@congress-plus.ch.

Electronic confirmation of registration and invoice will be sent upon registration.

You will not be registered unless payment is received.