

WHEN TWO EXCEPTIONAL TRAINING ENTITIES UNITE, **YOU BENEFIT.**

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PRESENTED BY THESE INDUSTRY EXPERTS:



ROBERT SEDLOCK
Natoli Scientific



JESUS LOPEZ
Techceuticals



RAHUL HAWARE
Natoli Scientific



AL FRIEDRICH
Alexanderwerk



DEVANG PATEL
Natoli Scientific



TONY CARPANZANO
JRS Pharma



JOHN CIASULLI
Frewitt



MATT KLEINSCHMIDT
DIOSNA North America



MICHAEL BENJAMIN
DIOSNA North America



JOHN STRUGIS
Natoli Scientific

TABLET DEVELOPMENT **PROCESS TRAINING**

JUNE 7-9, 2022
TELFORD, PENNSYLVANIA

This course provides comprehensive insight into the tablet development process to provide powerful tools that you can put to work immediately. This 2.5 day training course is for experts and novices alike, putting the entire manufacturing team on the same page, and incorporates open discussions, hands-on lab sessions, Q&A, and live demonstrations. Light breakfasts and full lunches will be provided.

LEARNING OBJECTIVES

Participants of this training course will finish with an understanding of these concepts:

- Tablet & tool designs
 - Micromeritics
 - Tablet compression with scale-up
 - Granulation (roller compaction, high shear, fluid bed)
 - Milling techniques
 - Excipient functionality & selection
 - Formulation development strategies
-

WHO SHOULD ATTEND?

Participants of this training course will finish with an understanding of these concepts:

- Compounding Pharmacists
- Technology Transfer Scientists
- Process and Validation Engineers
- Formulation Scientists
- Research Associates
- Manufacturing professionals
- Quality & Regulatory

QUESTIONS? COMMENTS?

Please email Robert Sedlock at rsedlock@natoli.com



COURSE OVERVIEW

LECTURE TOPICS:

ROBERT SEDLOCK

- Powder Preparation & Micromeritics
- Rotary Tablet Press Operations
- Tooling Fundamentals Specifications, Troubleshooting
- TabCAD Demonstration

JESUS LOPEZ

- Qualification /Validation for Development Process Training

JOHN CIASULLI

- Milling Technologies

TONY CARPANZANO

- Excipient Functionality & Selection

RAHUL HAWARE

- Events involved in the journey of Powder to Tablet Compact
- Methodologies for evaluating compression events (Heckel equation and work descriptors)
- USP<1062> regulatory compliance guidance
- Case studies of Gamlen Benchtop CT for evaluating raw material tableting performance and its implications in USP<1062>

AL FRIEDRICH

- Dry Granulation, Roller Compaction Technologies

MICHAEL BENJAMIN

- Wet Granulation Processes

LAB SESSIONS:

ROBERT SEDLOCK

- Compaction Process - Rotary Press Operations, Compaction Studies and Characterization Studies and Scale-up

MATT KLIENSCHMIDT

- Wet Granulation Processes

JOHN STURGIS

- Compaction Emulation and Single Station RD10a Material Characterization Studies

DEVANG PATEL

- Micromeritics & Gamlen Tableting

AL FRIEDRICH

- Hands-on Roller Compaction Process

JOHN CIASULLI

- Milling Technology



TECHCEUTICALS

Bringing knowledge to the tablet™

AND



YOU DEMAND. WE DELIVER.

IN PARTNERSHIP WITH:



Alexanderwerk

SPEAKERS



ROBERT SEDLOCK

Mr. Sedlock is the Director of Natoli Scientific. He is a leading expert in the tablet compression industry with over 25 years of experience and has authored numerous technical articles for journal publications. Mr. Sedlock is responsible for global solid dosage customer support, training seminars, contract compression services and continuous research.



DR. RAHUL HAWARE

Dr. Haware is a Pharmaceutical Scientist currently serving as the Director of Scientific Support and New Business Development at Natoli Scientific. His professional and academic expertise is in leveraging Process Analytical Technology (PAT), and Quality-by-Design (QbD) paradigms to develop the DM(3) approach. He was a professor for eight years and has authored several book chapters (3) and peer-reviewed international review and research papers (46). Dr. Haware holds Master's degrees in Pharmacy and Molecular Biology. He completed his PhD in Powder Compaction Physics at UiT The Arctic University of Norway.



JOHN CIASULLI

Mr. Ciasulli is the VP of Sales / GM for Frewitt USA, Inc. He has always possessed a strong mechanical aptitude which came in handy when he started his first of many summers working at his father's auto repair shop at the age of 15. Through his various positions at top-end capital equipment companies, he has been involved in powder milling and complete process equipment selection since 1990. He has extensive hands-on experience in lab trials, machine selection, field start-up, trouble shooting and optimization.



AL FRIEDRICH

Mr. Friedrich is the National Sales Manager for Alexanderwerk Inc. His background has been extensively in the powder processing industry focusing on blending, drying, milling, separation, CIP/SIP systems and dry granulation technology. Mr. Friedrich has a Mechanical Engineering degree and an MBA from Rutgers University. At Alexanderwerk, his focus is on sales and development work in the technical center for the pharmaceutical and fine chemical industries.



DR. DEVANG PATEL

Dr. Patel is a Senior Research Scientist at Natoli Scientific. He uses his experience in resolving or providing guidance on various tableting issues like sticking, picking, etc. to provide scientific and technical support for Natoli's customers by generating application data for formulation and tablet tooling. Some of his notable academic contributions include peer-reviewed papers on formulation and 3D printing. He holds a PhD and Master's degree in Pharmaceutical Science from Long Island University, New York.

SPEAKERS



TONY CARPANZANO, B.S., R.PH.

Mr. Carpanzano is currently the Director of R&D at JRS Pharma, LP. He has 32 years of experience, with a major focus on advanced solid dosage form and modified-release dosage form development. As a licensed pharmacist, he holds patents on some of these technologies. A licensed pharmacist, Carpanzano's work includes pre-formulation, exploratory development, and clinical manufacturing. He has worked with excipients for companies like Richardson-Vicks, Procter & Gamble, Purdue Pharma and Penwest.



JESUS LOPEZ

Mr. Lopez, LPE is the Technical Director of Techceuticals, with over 40 years of international experience in consulting and operations management. Mr. Lopez has hands-on experience in FDA regulated environments managing and improving multi-product and technical support operations. This includes pilot scale development, process troubleshooting, validation, and much more. Mr. Lopez holds a bachelor's degree in Chemical Engineering from Michigan State University.



MATT KLEINSCHMIDT

Matt Kleinschmidt is DIOSNA's new Area Sales Manager in the Pharmaceutical Division covering the U.S. and Canada. His professional interests are in high shear, fluid bed, tablet coating methods and technology. He began working with the pharmaceutical industry in analytical and scientific instrumentation approximately 20 years ago. Matt holds a bachelor's degree in Communications from Augsburg University in Minneapolis, MN, where he currently resides.



MICHAEL BENJAMIN

Michael Benjamin has served as the Head of Technology at DIOSNA Dierks & Söhne GmbH in Osnabrück, Germany since 2016, after holding several R&D positions throughout the pharmaceutical industry. He holds a B.Sc. in Pharmaceutical Technology from the Technical University of Ostwestfalen-Lippe in Germany, with additional training as a Pharmaceutical Production Technician.



JOHN STURGIS

Mr. Sturgis is an Engineer with Natoli Scientific. He has held a variety of positions in the pharmaceutical industry, including equipment manufacturers and service providers, commercial pharmaceutical solid dosage production, process scale up, data acquisition systems, and tablet press calibration & maintenance. As an educator, he has provided on-site training and industry-wide seminars. He obtained his degree in Mechanical Engineering from Drexel University.

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WHEN YOU REGISTER BY MAY 30TH

\$2,695

GROUP RATE (3+)

NETWORKING EVENT

Tuesday, June 7th evening networking event at the

WASHINGTON HOUSE

Sellersville, Pennsylvania

HOTEL

LANSDALE COURTYARD

1737 Sumneytown Pike,
Lansdale, Pennsylvania 19446

HOTEL RESERVATIONS

TABLET DEVELOPMENT PROCESS TRAINING

Tuesday, June 7, 2022 - Thursday, June 9, 2022



Hotel offering your special group rate:

Lansdale Courtyard Marriott \$139 USD per night
Book your group rate for Techceuticals Room Block

You will find the information for your online reservation link below. If you have questions or need help with the link, please do not hesitate to ask. We appreciate your business and look forward to a successful event.

Last Day to Book: Tuesday, June 31, 2022

[Book your group rate for Techceuticals Room Block](#)