

Rapid Point of Care Test Development Workshop

A Hands-on Multi Day Experience

In partnership with Kinematic Automation

Date: September 15-17, 2020

Location: Renaissance Seattle Hotel
515 Madison Street
Seattle, Washington

Registration fees and payment:

The cost for the 3-day technical seminar is \$795 USD. The fee will be invoiced upon registration.

Hotel reservations:

More information on how to reserve a room at The Renaissance Seattle Hotel at the group rate will be sent with your registration confirmation email.

For more information, contact:

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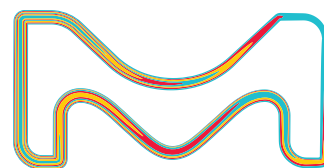
Abstract:

Join us, Kinematic Automation, Axxin, and AnteoTech in Seattle, Washington for our 3-day technical workshop. This course will take you through the development and manufacture of a complete lateral flow test, incorporating antibody conjugation chemistry, raw material processing, research and development considerations, machinery, and FDA regulations. Attendees will become familiar with all these aspects further through hands-on practical sessions. Learn about future technologies and market trends from industry leaders and take advantage of great networking opportunities.

Topics that will be covered include:

- Design Considerations for Lateral Flow Test Strips
- Reagent Chemistries and Labels of Choice for Lateral Flow Tests
- Lateral Flow Cassette Development Process, Manufacturing and Costs
- Increasing Sensitivity in Lateral Flow Assays
- Design for Automation
- Lab Exercise: Antibody Particle Conjugation Chemistry
- Lab Exercise: Construction and Testing of Functional Lateral Flow Tests
- Lab Exercise: Lateral Flow Reader Detection of Europium Labeled Lateral Flow Tests
- Selecting Pad Materials
- Adhesives and Converting for Lateral Flow Test Devices
- Use of Dyed and Fluorescent Estapor Microspheres
- Blocking Agents and Stabilizers for Rapid POC Tests
- Antibody Selection for POC Testing
- Troubleshooting Lateral Flow Tests
- Understanding the Path to FDA Clearance

To register for the event, visit SigmaAldrich.com/workshop-rpoc or email technicalworkshops@milliporesigma.com



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Renaissance Seattle Hotel, Seattle, Washington
September 15-17, 2020

Day 1, Tuesday, September 15		
Start	Presentation Title	Presenter
8:30 AM	Registration and Check-in	Matt Coussens, Ph.D., Darla Falk, MilliporeSigma
9:00 AM	Rapid Point of Care Market Overview	Shawn Gaskell, MilliporeSigma
9:30 AM	Nanoparticles in Rapid Point of Care Tests	Richard Sullivan, MilliporeSigma
10:00 AM	Design Considerations for Test Strips	Michael Mansfield, Ph.D., MilliporeSigma
10:45 AM	Break	
11:00 AM	Reagent Chemistries and Labels of Choice for Rapid POC Tests	Michael Mansfield, Ph.D., MilliporeSigma
12:00 PM	Lunch	
1:00 PM	Multiplexing, Nucleic Acid Lateral Flow Assays	Nathan Butlin, Ph.D., CLP, Axxin Pty Ltd
1:30 PM	Estapor Bead Conjugation Workflow	Charlie Huang, AnteoTech
2:00 PM	Break	
2:30 PM	Lab Exercise I: Estapor Bead Conjugation	Charlie Huang, AnteoTech
6:30 PM	Evening Activity	
Day 2, Wednesday, September 16		
Start	Presentation Title	Presenter
9:00 AM	Introduction to Antibodies and Their Use in Lateral Flow Assays	Mike Moehlenbrock, Ph.D., MilliporeSigma
10:00 AM	Interfering antibody blockers	Terri Borree, MilliporeSigma
10:45 AM	Break	
11:15 AM	Use of Dyed and Fluorescent Estapor Microspheres	Hugues Augier De Cremiers, Ph.D., MilliporeSigma
12:00 PM	Lunch	
1:00 PM	Feasible approaches to Common Sample collection, Transport Requirements	Luke Helm, Symbient Product Development
1:30 PM	Selecting Porous Materials	Michael Mansfield, Ph.D., MilliporeSigma
2:30 PM	Break	
3:00 PM	Lab Exercise II: Construction of Functional Rapid Point of Care Tests	Michael Mansfield, Ph.D., MilliporeSigma
Day 3, Thursday, September 17		
Start	Presentation Title	Presenter
9:00 AM	Diagnostics for Neglected Tropical Diseases	Roger Peck, PATH
9:30 AM	Mind the Gap - From Lab Bench to Manufacturing	Michael Deck and Miranda Conary, Web Industries
10:00 AM	Adhesives and Converting for Rapid Point of Care Devices	Bill Pedersen and Brian Hall, Lohmann
10:30 AM	Contract Manufacturing	TBD, Operon
11:00 AM	Break	
11:30 AM	Design for Automation	Dave Carlberg, Kinematic Automation
12:00 PM	Lunch	
1:00 PM	Navigating FDA Regulations	John Zeis, Toolbox Innovations
1:30 PM	Lab Exercise III: Testing of Functional Rapid Point of Care Tests	Michael Mansfield, Ph.D., MilliporeSigma
3:00 PM	Troubleshooting Rapid Point of Care Tests	Michael Mansfield, Ph.D., MilliporeSigma
4:00 PM	Workshop Closing Remarks and Certificates	Matt Coussens, Ph.D., MilliporeSigma

** Agenda subject to change

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