

## Contents


- ViscoStar III
- Webcast release
- Future proof your lab
- Regional user meetings
- Upcoming events
- What's new @Wyatt
- Career opportunities
- Keep in touch: Social

## Training



The acclaimed Light Scattering University (LSU) course, held

in Santa Barbara, CA on the American Riviera, is guaranteed to demystify light scattering, work you hard but feed you well, and explain how to get the most from your Wyatt Technology instruments.

Watch the new LSU Experience video 

### Upcoming classes

The next available LSU classes begin October 18, November 15, and December 6.

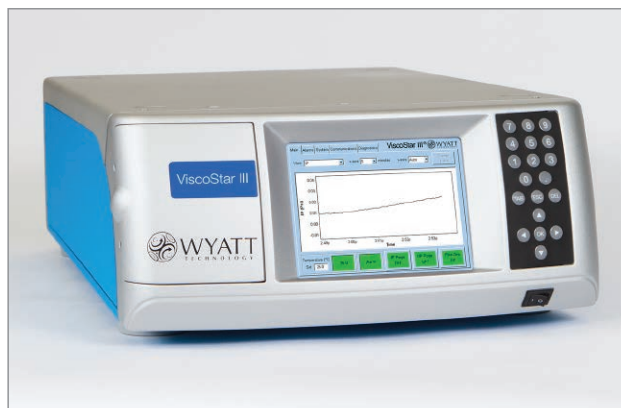
Dyna-LSU classes begin October 20, and November 17.

[Check the full schedule](#)

## Exciting news for protein and polymer chemists: The ViscoStar III

Online viscometry has long been appreciated as a valuable complement to SEC-MALS for characterization of polymers via intrinsic viscosity measurements, to assess conformation, branching and size. October 2016 will see the launch of Wyatt's ViscoStar III, a new generation of online differential viscometers which extends the limits of sensitivity, robustness, solvent compatibility, ease of use and stability. Incorporating multiple technological breakthroughs, the ViscoStar III is poised to set a very high bar for online viscometers.

In fact, the ViscoStar III is so sensitive that it is eminently useful for online determination of protein size (hydrodynamic radius) when used in combination with SEC-MALS! The ViscoStar III may also become the new standard for characterization of protein conformation (in addition to polymer properties). [Click here](#) to request more information.



The ViscoStar III's touchscreen display provides direct access to diagnostics and maintenance functions, such as automated thermal tuning of the capillary bridge.

## On-demand: Overcoming challenges in biologics manufacturing



If you weren't able to make it to our International Light Scattering Colloquium (ILSC) held last November in Santa Barbara, CA, you can now view the second webcast presentation in the series. Dr. Joseph Arndt, Senior Scientist at Biogen gave his Plenary Presentation [Challenges of Maintaining Structure-Function Complexity of Protein Biologics](#)

[Throughout the Manufacturing Process](#), a case study in which a neurotrophic protein was rendered inactive, with significantly reduced viscosity, as a result of a commonly used viral inactivation step using low-pH incubation. The structure, oligomerization state, and dynamics of the native and viral inactivated protein were examined using orthogonal light scattering techniques to understand the underlying origin of the activity loss and change in rheological behavior. These studies highlight the structure-function complexity of protein biologics that must be maintained at all stages of the drug development. [Click to view](#) the archived webcast of this presentation.

## Future-proof ( $\mu$ )SEC-MALS

It's not uncommon to purchase a UHPLC stack, then use it for standard HPLC-SEC until new methods are implemented that take advantage of true UHPLC-SEC; that's called 'future-proofing' your lab. Now you can future-proof your SEC-MALS investment! Purchase a  $\mu$ DAWN, and add a  $\mu$ DAWN HPLC Compatibility Kit for standard SEC-MALS. When you are ready for UHPLC and  $\mu$ SEC-MALS, simply revert to the standard  $\mu$ DAWN configuration. The kit is installed in your lab, by your always-smiling Wyatt field service rep. Contact [support@wyatt.com](mailto:support@wyatt.com) to add a  $\mu$ DAWN HPLC Compatibility Kit to your current  $\mu$ DAWN.



## Have you attended your regional users meeting?

Wyatt's regional user meetings are a great opportunity to meet and interact with other scientists who utilize Wyatt light scattering instruments. Learn how your colleagues approach biophysical characterization, pick up some tips and tricks on method development, view poster presentations, and spend some quality time with Wyatt staff. Continental breakfast and lunch are provided. Cost \$100. Open LSU credits may be applied.

These meetings host guest speakers, 'how-to' sessions presented by Wyatt scientists, moderated application reviews, poster sessions, and round table discussions covering topics such as:

- Biophysical characterization
- Formulation and stability
- Aggregates large and small
- Biomolecular interactions
- SEC-MALS
- FFF-MALS
- CG-MALS
- DLS and MP-PALS

See "Upcoming events", above right for details on our upcoming DC Regional Users Meeting!

## What's new @Wyatt

### Recent publications and blog posts



Field Flow Fractionation Analysis of Host-Guest Complexes of Peptides and Proteins Conjugates



Beyond GPC: Using Light Scattering for Absolute Polymer Characterization



We invite you to read and contribute to our blog.

## Upcoming events

### Protein and biotech user meeting

Click on link below to learn more

DC Regional - November 1st

Bethesda, MD

Guest Speakers:

**Andrew Stephen**, Leidos Biomedical Research, Inc.  
"Characterization of Protein and Protein-Membrane Interactions Using Light Scattering Techniques"

**Jai Pathak**, National Institutes of Health  
"Protein Solution Rheology: DLS-Based Methods and "Mainstream" Rheology"

**Ed Eisenstein**, University of Maryland  
"Engineering and Analyzing Dimer Variants of Innate Immune Receptors to Enhance Plant Defense Against Pathogens"

### Live webinar - October 19th

Click on link below to learn more and register

"Advances in online viscometry: Extending the limits of detection for intrinsic viscosity and hydrodynamic radius"

Presented by:

**Stepan Podzimek**, Ph.D.  
Department Head, Analytical and Physical Chemistry, SYNPO

**Steven Trainoff**, Ph.D.  
Chief Scientist, Wyatt Technology Corporation

### LSU classes

#### LSU classes

October 18-20

November 15-17

December 6-8

#### Dyna-LSU classes

October 20-21

November 17-18

[Register now](#)



### Recently added on-demand webinars



Characterizing Microgel Polymers and Nanostructures by Light Scattering



Optimizing Protein Biotherapeutic Formulations with the Light Scattering Toolkit



Measuring Size, Stability and Conformation of Biopolymers with Dynamic Light Scattering



Introducción a la Dispersión de Luz: Fundamentos y Aplicaciones

## Career opportunities

Excellence is our passion. Wyatt customers know they can rely on Wyatt to provide the best instruments, training and support available. If supporting cutting-edge science is your passion, Wyatt may be the place for you! Check the [careers page](#) or click on a job link below to see a detailed description of each position.

### Customer service & support

Application Scientist  
Application Scientist – DC Region  
Application Scientist – NJ Region  
Application Scientist - Mid-West Region

### Marketing

Application Scientist - Marketing  
Marketing Product Line Manager

### Sales

Inside Sales Manager  
Account Manager - Boston Area

## Keep in touch

As a small, family-owned and operated company, we consider every customer to be part of the Wyatt Technology family. We do our best to get to know you first-hand; and, as a family, we like to keep in touch! Several social media channels help us accomplish this:



**WYATT**  
TECHNOLOGY

[Wyatt Technology | LinkedIn](#) – Stay up-to-date with notifications on our latest events, webinars, blogs and career openings.



LinkedIn Groups – Ask your light scattering peers for advice, keep up-to-date with the latest Wyatt news, or reconnect with LSU classmates through our LinkedIn groups.



[Wyatt Technology Group](#) – Open to anyone interested in the technology and applications of light scattering for characterization of macromolecules and nanoparticles in solution. Get the latest news and join the technical discussions.



[Light Scattering University Graduates](#) – For active users of Wyatt instruments.



Social [@Wyatt](#) – Join our community for topical discussion groups.

# Light Scattering for the Masses<sup>®</sup>