

Multi-Angle

NEWS IN ABSOLUTE MOLECULAR CHARACTERIZATION

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LSU Dates

THE ACCLAIMED LIGHT SCATTERING UNIVERSITY course, held in Santa Barbara, CA on the American Riviera, is guaranteed to demystify light scattering, work you hard but feed you well, and, of course, explain how to get the most from your Wyatt Technology equipment. [Enroll now!](#) The next available classes begin Oct. 21, Nov. 18, and Dec. 9, with a special MALS training course in Woburn, MA on Dec. 3. Dyna-LSU classes begin Oct. 23, Nov. 20, and Dec. 11. [Check the full schedule.](#)

Wyatt Bibliography Reaches 10,000 Peer-Reviewed Articles!

IT'S BEEN A LONG JOURNEY, and we could not have done it without you! Wyatt's [Bibliography](#) of peer-reviewed publications presenting data acquired with Wyatt instruments, and analyzed by our software, has surpassed the 10,000 mark. We see this as testimony to the trust scientists around the globe place in our products. Thank you!

The 10,000th paper to be listed, authored by Dr. Charalampos Kalodimos and other Wyatt users at Rutgers Univ-

ersity and published in *Science*, is entitled, "Structural Basis for Protein Antiaggregation Activity of the Trigger Factor Chaperone."

In this study, the researchers examined the structural binding of molecular chaperones to unfolded proteins in order to understand the structural basis of the interactions. SEC-MALS measurements using the DAWN HELEOS II elucidated monomeric state and complex formation via the measured solution molar mass.

Can You Turn a Phrase? Enter the Competition!



WE ARE PLEASED TO ANNOUNCE A COMPETITION, open to all Wyatt customers, staff and representatives! The goal of the competition is to propose a company tag line or vision statement that describes Wyatt's commitment to excellence in innovation, scientific rigor and the success of our customers. The winning phrase will convey succinctly the common motivation of our staff and customers in bringing benefit to the world through good science and, of course, the power of light.

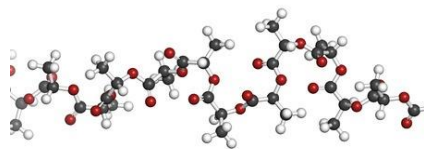
Some other companies use lines like "We Bring Good Things to Life" or "The Science of What's Possible" (GE and Waters, respectively).

If selected, your phrase will appear on the Wyatt website header and a variety of marketing materials. It should consist of seven words *or less*. **First prize:** an iPad; **second prize:** an iPad mini.* Please submit your entries to marketing@wyatt.com.

Please, no more than two entries per person. Deadline for submissions: October 31, 2014. Be creative, and good luck!

** Prizes contingent on signing a copyright release. We do not guarantee that any of the submissions will be selected.*

Focus on: Wei Gao



AS A FAMILY BUSINESS, Wyatt Technology cherishes each and every customer like a relative. Wei Gao

from The Dow Chemical Company has been such a family member for more than 15 years. Her very first LSU experience dates back to 1998 when she was a postdoc with Professor Richard Gross at Polytechnic University in New York (now NYU Polytechnic School of Engineering). Wei was thrilled with the characterization capabilities Wyatt instruments provided, and upon returning to the lab, she turned these instruments into workhorses for the group and published a number of papers using data from Wyatt detectors. Because of her outstanding work, more Wyatt instruments were added to her group and she came to Santa Barbara three additional times for extended LSU training as well as the International Light Scattering Colloquia.



In 2006, Wei decided to make the transition from academia to industry as a Lead Chemist at Rohm and Hass Company (now The Dow Chemical Company). Wyatt instruments once again became critical tools for her characterization

work. She combined Wyatt detectors with both Eclipse field-flow fractionation and SEC separations to help make improved polymer and nanoparticle products. She was recognized for her outstanding work with the Rohm and Hass NOVA Innovation Award and the Dow Presidential Green Chemistry Challenge Award.

Wei's success is not surprising to people who have come to know her. As a scientist, she is thorough and perseverant. Her strong desire to learn and apply state-of-the-art technology enables her to stay innovative



and to achieve the highest data quality from the instruments. A few years ago, she requested a new feature in ASTRA software. She and our software engineers spoke weekly over the course of several months to implement the feature Wei wanted in the most elegant manner possible.

Besides being a consummate scientist, Wei is also a busy mother of two. Wei appreciates the network feature we implemented 10 years ago in our instruments to help her balance her work and family life. She uses this feature to start a sequence and to collect data, and analyzes the data at home after picking up her kids from school. Wei proudly showed us some recent artwork by her children who won the 1st place in their county's computer fair. As a member of our extended family, Wei, we're proud of you, too!

"Wei Gao is one of the most industrious people I have worked with... When the polymer wasn't sticking to the pigment and the product release was days away, she figured out that there was a surface layer that blocked the polymer; she used simple acid-base chemistry and saved a whole major product launch. That product recently received a Presidential Green Chemistry Award."

– Dr. Mark Schure, Distinguished Scientist at Dow Chemical

Career Opportunities at Wyatt Technology



THE SCIENTIST magazine recognized Wyatt Technology as one of the best places to work in the industry for the *fifth* consecutive year!

See [Wyatt Careers](#) for more information.

- Associate Application Scientist - Boston
- Associate Application Scientist - Chicago
- Application Scientist - Corporate Office
- Application Scientist – Customer Support, Corporate Office
- Customer Service Representative
- European Sales & Marketing Manager
- Software Engineer
- Manufacturing Engineer
- Product Marketing Manager

What's New at Wyatt

Upcoming Seminars

FFF 2014 Symposium

Dr. Philip Wyatt will present:
MALS combined with FFF: Problems and Triumphs

1:45 PM - 2:30 PM
October 15, 2014
Salt Lake City, UT

2nd Protein Expression, Purification & Characterization Conference

Dr. Dan Some, Wyatt's Director of Marketing & Principal Scientist, will present:

Biophysical Characterization of Proteins Throughout the R&D Pipeline: The Light Scattering Toolbox

10:55 AM
October 24, 2014
Hyatt Regency in Boston, MA

Webinars

Live Webinars

- Oct 1: [Pulp Non-Fiction: Absolute Macromolecular and Nanoparticle Characterization of Lignocellulosic Materials](#)
- Nov. 18: [Characterizing Vaccines by Light Scattering](#) (registration not yet open).

Now Available On-Demand

[Application of Automation for Biologics Formulation Preparation and Stability Studies](#) (sponsored by Freeslate)

Featured Publications

- [Measurement of Special Nanoparticle Structures by Light Scattering](#) – Philip Wyatt, *Analytical Chemistry*, July 2014

Application Notes

- *Thirty* application posters – covering a large variety of topics and techniques - have been added to our [Application Note Library](#)

This Time It's Personal: Wyatt on Social Media

AS A SMALL, FAMILY-OWNED AND OPERATED COMPANY, we do our best to get to know you first-hand, and to keep in touch!



Wyatt Technology Company Page

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 – open to anyone interested in the technology and applications of light scattering for characterization of macromolecules and nanoparticles in solution. Get the latest news, join the technical discussions, post or find jobs for experienced light-scattering operators.



Light Scattering University Graduates – for active users of Wyatt products only. Besides open discussion, we will post important service information here, such as firmware updates.

Check the [Social Media](#) page for information on topical discussion groups.