

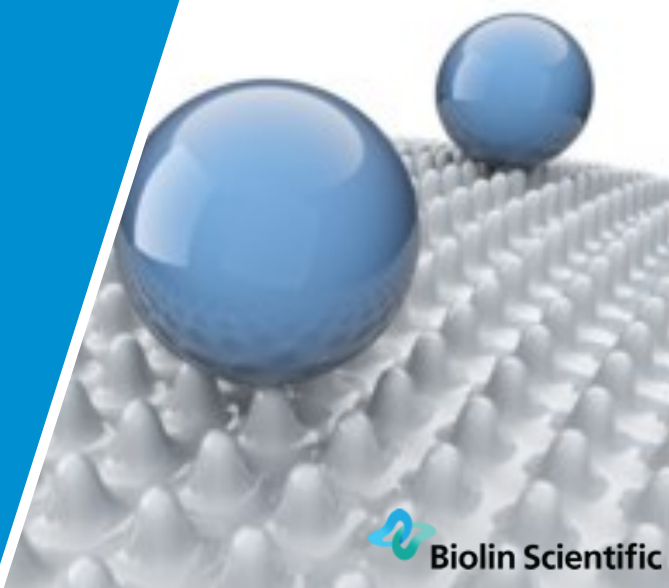
Register online or email us today

Date: 7-14 March 2016

FREE WORKSHOP

## Advanced Analytical Tools for the Study of Nanoscale Surface Interactions

This workshop will give you an overview of two important label-free techniques for analysing molecular layers and surface interactions in real time. Join us to learn more about the basic principles of the **QCM-D** technique and the application areas where it can be used. We will also discuss the new **3D Topography Module** which allows you to evaluate the influence of roughness on wetting. Talks will be followed by live demonstrations with the opportunity for you to discuss your analysis requirements.



### Presentation and live Demonstrations:

An overview of the principles, capabilities and applications of these techniques will be presented followed by live demonstrations. A morning or afternoon session will be available for locations listed. Please indicate your preferred session during registration.

*The following technologies will be outlined, together with their most suitable applications:*

**Q-Sense E4 - QCM-D Technology**  
**Attention Theta plus 3D Topography module**

Turn over for more information

### Venues:

|          |           |                                    |
|----------|-----------|------------------------------------|
| 7 March  | Melbourne | Afternoon Workshop<br>1.00 -3.30pm |
| 8 March  | Melbourne | Morning Workshop<br>9.00 -11.30am  |
| 9 March  | Canberra  | Afternoon Workshop<br>1.00 -3.30pm |
| 10 March | Sydney    | Afternoon Workshop<br>1.00 -3.30pm |
| 11 March | Sydney    | Afternoon Workshop<br>1.00 -3.30pm |
| 14 March | Brisbane  | Afternoon Workshop<br>1.00 -3.30pm |

### Who should attend:

All those working in the fields of biomolecular and material/chemical/polymer science interested in biophysical characterisation. This workshop will be particularly useful to users of these instruments who will benefit from discussing their applications during the demonstrations.

### Registration:

Participation is free of charge however **it is essential to register**. You can register by completing the [registration form](#) on our web site or by sending us an email with your details to [enquiries@atascientific.com.au](mailto:enquiries@atascientific.com.au).  
**RSVP by 7 March 2016.**

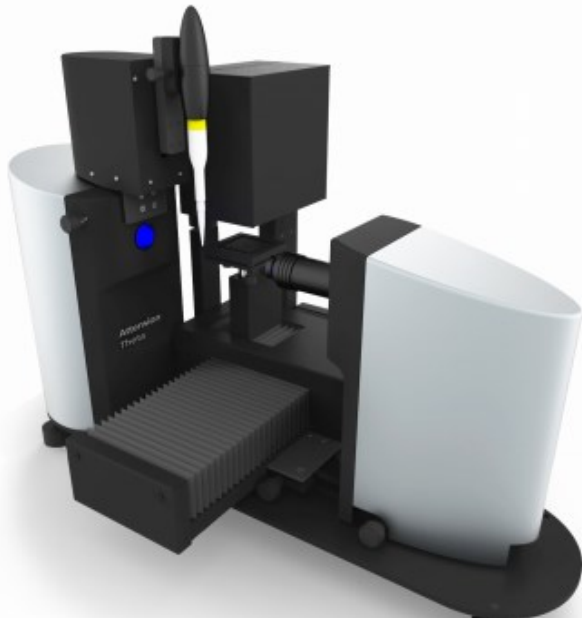
### Guest speaker:

This workshop is an excellent opportunity to meet application specialist Dr Gabriel Ohlsson from Biolin Scientific.



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## Technologies on Show



### Attension Theta plus 3D Topography module

Optical tensiometry is an extremely versatile technique used to characterise material properties related to wettability, adhesion and homogeneity. The Attension 3D Topography module when combined with the Attension Theta optical tensiometer makes it possible to combine 3D roughness measurements with contact angle and surface free energy and to perform those measurements on the exact sample location. This enables further understanding of the mechanisms that impact wetting.



### Q-Sense E4 - QCM-D Technology

Quartz crystal microbalance with dissipation (QCM-D) enables nanoscale mass and structural changes to be measured and therefore offers a robust method for studying molecular interactions and surface phenomena. Unlike other microbalances, Q-Sense instruments simultaneously measure both mass and rigidity enabling accurate, quantitative measurements of both rigid and soft films.

**Register** to attend our free workshop by completing the [registration form](#) on our web site or by sending us an email with your details to [enquiries@atascientific.com.au](mailto:enquiries@atascientific.com.au).



[www.atascientific.com.au](http://www.atascientific.com.au)

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