

# Quantifying Nano-scale Changes at Material Interfaces Using Quartz Crystal Microbalance with Dissipation Monitoring (QCM-D)

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Q-Sense (Together with Biolin Scientific)

## A Technology and Application Review Seminar

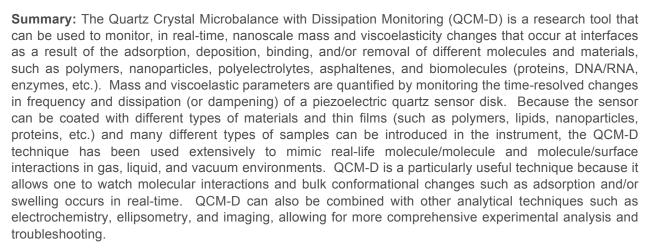
### Study Design and QCM-D Optimization

### Location: Engineering Building 3546 (CEE conference room)

### When: Tuesday, December 6 2016, 10:30 -11:30 AM

Are you interested in quantifying nano-scale changes at interfaces? If so, then come join us for a seminar and demonstration centered on the Quartz Crystal Microbalance with Dissipation Monitoring Technology (QCM-D). We will discuss how QCM-D can be used in applications, such as:

- Protein or polymer adsorption
- Thin Films
- Electrochemistry
- Polymer swelling/degradation
- Nanoparticles
- Surface functionalization
- Enhanced oil recovery
- Biomolecular (Proteins, DNA, Enzymes, Etc.) interactions



**Archana Jaiswal** is the Principal Application Scientist at Biolin Scientific. She obtained her doctorate in Chemistry from BHU, India. Archana has published over 15 research articles and contributed to a few book chapters in the fields of material science, thin films and pharmaceutical related research. She has been with Biolin for over 10 years.

