

# Thursday Morning, October 23, 2008

## Exhibitor Workshops

Room: Exhibit Hall - Session EW-ThM

## Exhibitor Workshops

Moderator: R.A. Childs, MIT

10:00am **EW-ThM1 SPR Imaging in Biosensor Development**, V. Kodoyianni, T.G. Burland, GWC Technologies Inc.

Surface biosensors have potentially broad applications in areas ranging from research to diagnostics to environmental testing, among others. Rapid increases in our knowledge of protein biology, together with increases in protein engineering capabilities, are expanding the opportunities to develop useful biosensor devices. However, implementing surface sensors based on proteins can be challenging, as a given surface immobilization method can have profoundly different impacts on the activity of different proteins. We will present examples of how SPRi (Surface Plasmon Resonance Imaging) can be used as a tool to identify and solve surface sensor fabrication problems, and how such sensors can be used to detect a wide range of biological targets.

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