

# Tuesday Afternoon, October 29, 2013

## Exhibitor Technology Spotlight

Room: Hall A - Session EW-TuA

## Exhibitor Technology Spotlight III

Moderator: C. Moffitt, Kratos Analytical Limited, UK

3:20pm **EW-TuA5 New Developments in Thin Film Technology**, *D. Bingaman*, Kurt J. Lesker Company

In this spotlight the Kurt J. Lesker Company® will update the industry on some of its new thin film deposition solutions from our Process Equipment Division.

3:40pm **EW-TuA6 Picolitre Dosing of Proteins onto Biomaterials Microarrays to Monitor Cell Response in a Combinatorial Assay**, *C. Dufresne*, Scienion US, Inc., *M. Hammad, M.R. Alexander*, University of Nottingham, UK

A high throughput model of protein pre-adsorption on biomaterials for control of cell adhesion and proliferation is being investigated using Scienion's non-contact low volume dispensing technology. Valuable proteins combinations (31 in triplicate) were piezo-dispensed and pre-adsorbed onto microarray spots representing seven biomaterials. Cell density correlates with the surface chemistry of the protein pre-adsorbed polymer spots as acquired by ToF-SIMS. It is only possible to rapidly produce and assess this many protein adsorption combinations with a high throughput platform combined with high throughput surface characterization. Details of this technology will be presented.

# Authors Index

**Bold page numbers indicate the presenter**

**— A —**

Alexander, M.R.: EW-TuA6, 1

**— B —**

Bingaman, D.: EW-TuA5, **1**

**— D —**

Dufresne, C.: EW-TuA6, **1**

**— H —**

Hammad, M.: EW-TuA6, 1