

# ECIS School Agenda

## Day 1

Welcome and a Brief History of ECIS and Applied Biophysics

An impedance primer and ECIS theory

### Coffee Break

Basics of preparing and inoculating arrays – Handbook

Lab demo with 96 well plates

Cell-ECM Interactions – Application Notes

Extravasation Assay

The ECIS Model

### LUNCH

Toxicology

Assay Development

Electroporation and Monitoring

Signal Transduction

Inoculate Array to end session

### DINNER in Downtown Troy

## Day 2

Cell-ECM interactions

Barrier Function Measurements

Cell Migration Assays

New Filter-based measurements

### LUNCH

Recent Literature

Software I Data Acquisition

Software II Basic Data Analysis

Software III Modeling

Advanced Data Analysis

### REGISTRATION FEES: \$1,250.00

Registration fee includes two nights of lodging, transportation to and from the hotel to the Applied Biophysics facility, lunch on both days and dinner Thursday evening.