

Introduction to Method Validation for Biologists

09:00 *Registration and coffee*

09:30 Introduction

Morning

Overview of quality assurance

Introduction to method validation

Workshop 1: Build a validation protocol

Performance parameter 1: Precision; different precision parameters, description and how each is estimated

Workshop 2: Interpreting precision data

Afternoon

Performance parameter 2: Bias; experiments for estimation and tests for bias

Workshop 3: Interpreting data on bias

Linear regression; interpretation of parameters and pitfalls

Workshop 4: Linear regression

Polynomial regression

Workshop 5: Polynomial regression

Working range and selectivity/specificity

Revision session