Cell Signaling Technology seminars:

Immunofluorescence & Flow Cytometry

The Speaker: Mathias Holpert, PhD.

Field Technology and Product Manager

Cell Signaling TECHNOLOGY®

Seminar 1: Immunofluorescence
"Monitoring cellular events using fluorescent imaging"

Cell Signaling Technology's (CST) goal is to provide highly specific antibodies that yield strong, specific signal with minimal background.
In this seminar, we will discuss the critical steps for a successful immunofluorescence experiment, and CST validation efforts on extensive protocol optimization and antibody titration to determine the best working conditions for each antibody, providing supporting data to explain CST recommendations.
We will also introduce tyramide signal amplification, a system that allows fluorescent detection of multiple protein markers in FFPE tissues (referred to as multiplex immunohistochemistry).

Seminar 2: Intracellular flow cytometry
"New possibilities to study cellular processes"

Flow cytometry is a powerful tool that has been used originally to study extracellular markers. This seminar wants to give an overview of using flow cytometry to study intracellular processes, highlighting several strategies used in literature and going over the most important steps leading to a successful intracellular flow cytometry experiment.

Specifically, the topics are:

- basic concepts of intracellular flow cytometry – advantages over other applications
- innovative use of intracellular flow cytometry to analyze cell signaling processes, stem cell differentiation and epigenetic mechanisms
- the importance of antibody validation
- considerations for intracellular flow cytometry – which steps in the protocol are important? How to optimize your intracellular flow cytometry protocol?

Sign up now by contacting your local
Cell Signaling Technology Representative:

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