



Skyline Tutorial Webinar #9

PRM for PTM Studies with Skyline

With

Brendan MacLean (Principal Developer)

Jacob Jaffe (Proteomic Researcher)

Agenda

- ▶ Welcome from the Skyline team!
- ▶ **PRM for PTM Studies with Skyline**
- ▶ Introduction with Brendan MacLean
- ▶ Presentation and Tutorial with Jake Jaffe
 - ▶ PRM overview
 - ▶ Advantages and limitations in working with PTMs
 - ▶ Data set review and new data import into Skyline
- ▶ Audience Q&A – submit questions to Google Form:
<https://skyline.gs.washington.edu/labkey/qa4skyline.url>



Chromatography-based Quantification

- ▶ Hypothesis testing (Verification)
- ▶ SRM
- ▶ MS1 chromatogram extraction
- ▶ **Targeted MS/MS (PRM)**
- ▶ Data independent acquisition (DIA/SWATH)



Acquisition	Targeted	Survey
More Selective	PRM	DIA
Less Selective	SRM	MS1



Multiple Instrument Vendors



Learn More

- ▶ Webinars #3 (PRM Targeted Proteomics) - tutorials
- ▶ Webinar #10:TBD
 - ▶ Tuesday, September TBD
- ▶ Workshop in Rio de Janeiro, August 31-September 2
- ▶ Workshop in Tokyo, October 13
- ▶ Workshop in Puerto Vallarta, November 8 & 9
- ▶ Weeklong Course at IIT-Bombay
 - ▶ December 10-14
- ▶ Weeklong Course in San Francisco
 - ▶ January?



Questions?

- ▶ Ask any questions you have on differential statistics at the following form:

<http://tinyurl.com/QA4Skyline>

- ▶ Take the post-webinar survey:

<http://tinyurl.com/Survey4Webinar>





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This ends this Skyline Tutorial Webinar.

Please give us feedback on the webinar at the following survey:

<http://tinyurl.com/Survey4Webinar>

A recording of today's meeting will be available shortly at the Skyline website.

We look forward to seeing you at a future Skyline Tutorial Webinar.

