



Skyline Tutorial Webinar #5

Targeted Method Refinement

With

Brendan MacLean (Principal Developer)

&

James Bollinger (SRM Researcher)

Agenda

- ▶ Welcome from the Skyline team!
- ▶ **Targeted Method Refinement**
- ▶ Introduction with Brendan MacLean
- ▶ Assay refinement for clinical use with Jim Bollinger
- ▶ Tutorial with Brendan MacLean
 - ▶ Targeted proteomics refinement tutorial
- ▶ Audience Q&A – submit questions to Google Form:
<http://tinyurl.com/QA4Skyline> (also in chat window)



Chromatography-based Quantification

- ▶ Hypothesis testing (Verification)
- ▶ SRM
- ▶ MSI chromatogram extraction
- ▶ PRM
- ▶ Data independent acquisition (DIA/SWATH)

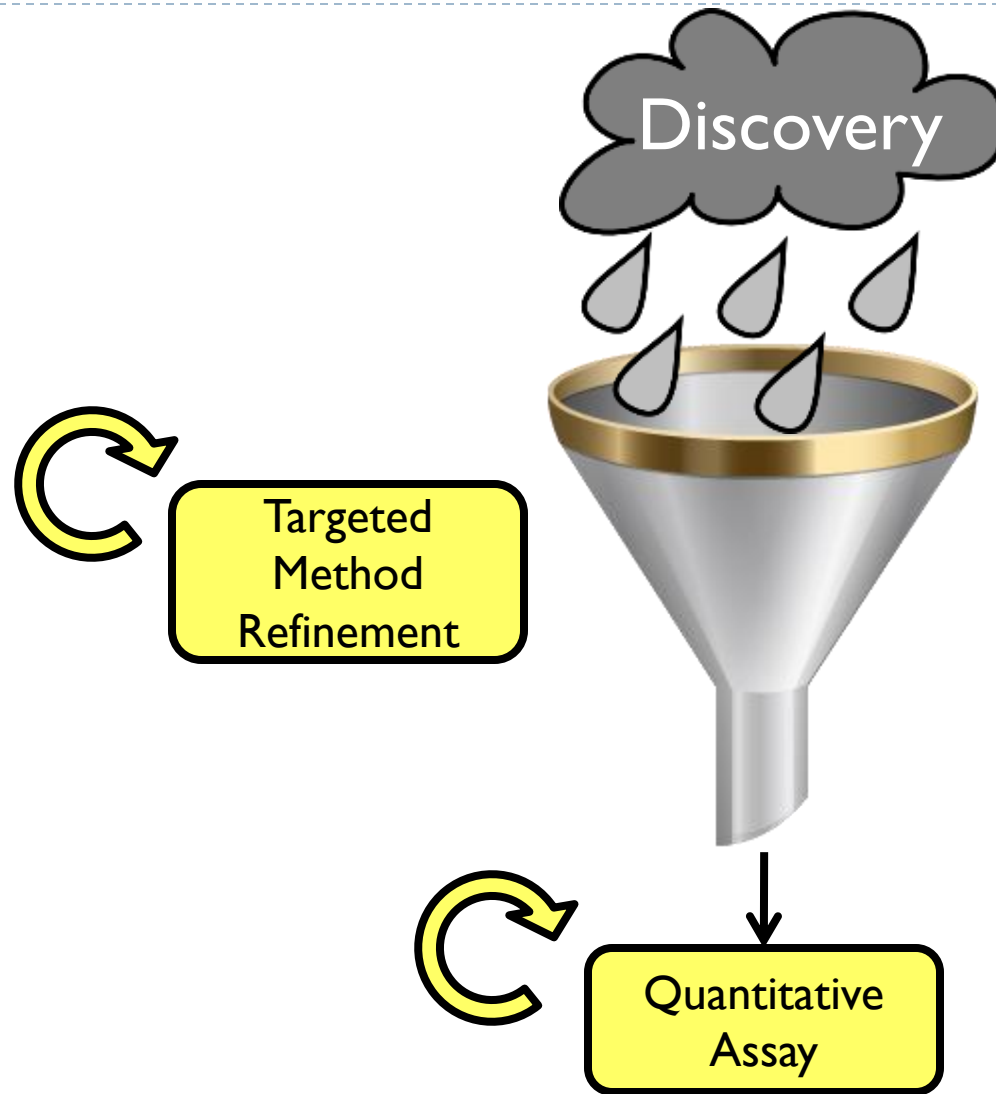


Acquisition	Targeted	Survey
More Selective	PRM	DIA
Less Selective	SRM	MSI

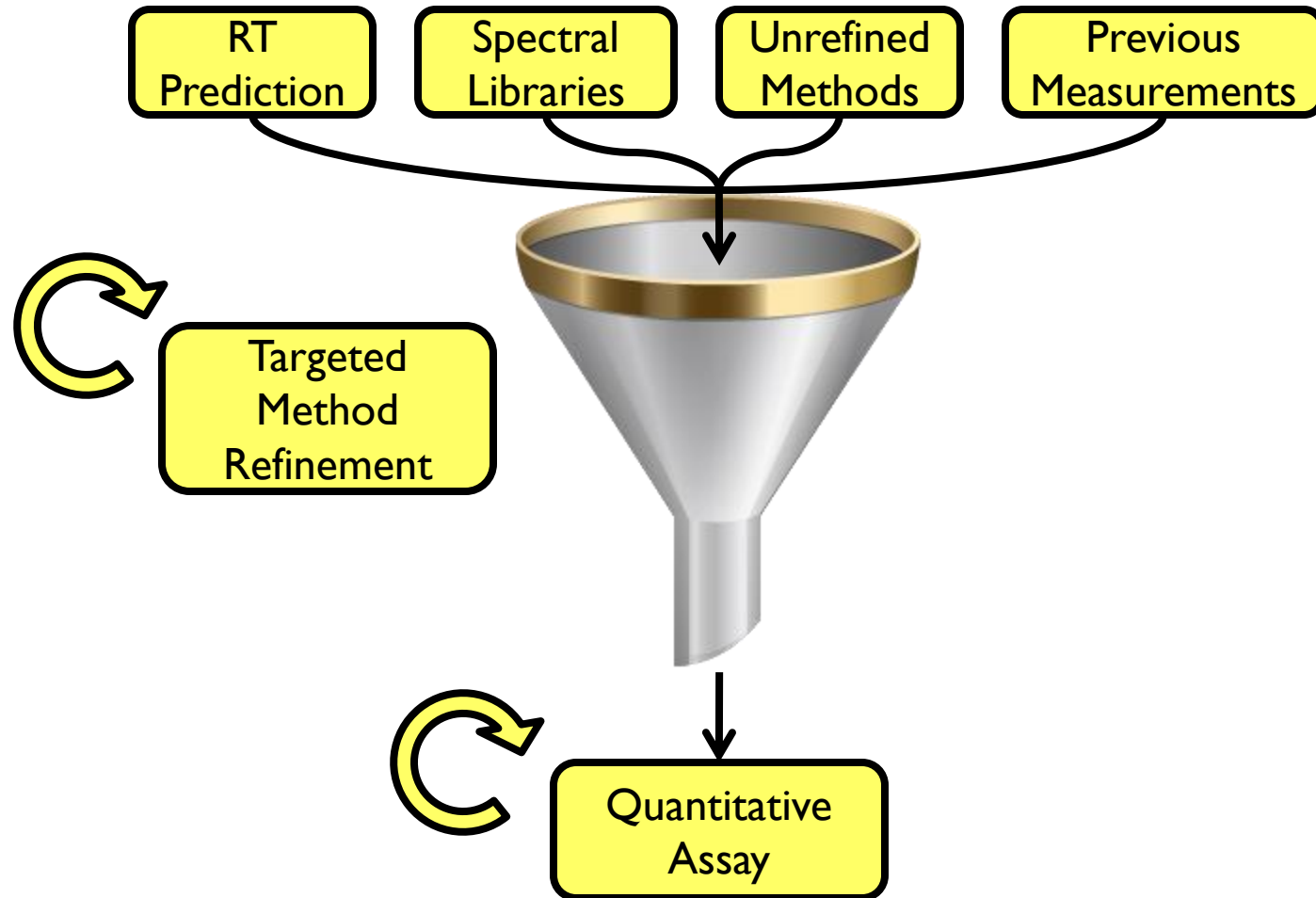
Got HYPOTHESIS??



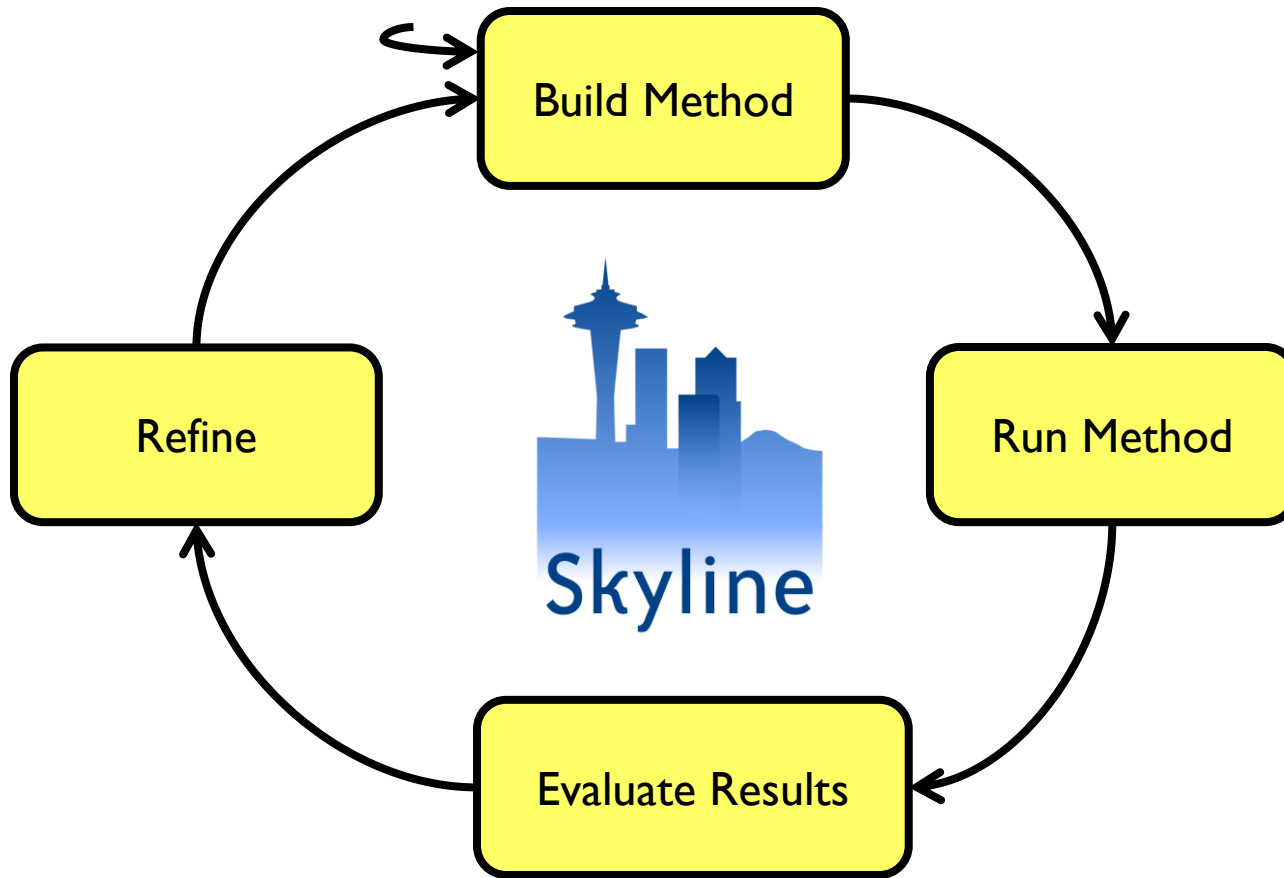
Supporting a Broader Hypothesis



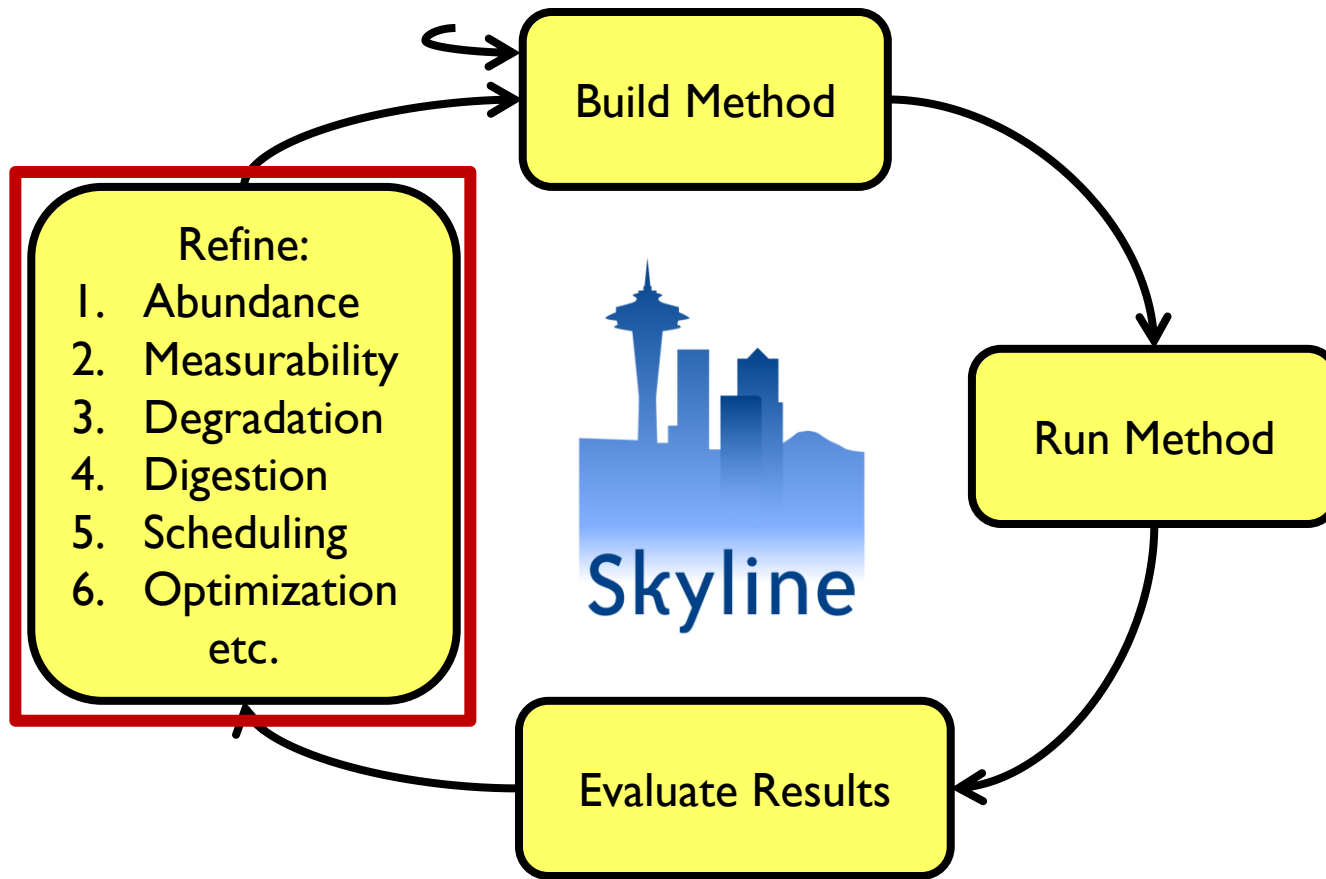
Supporting a Broader Hypothesis



Targeted Method Refinement



Targeted Method Refinement

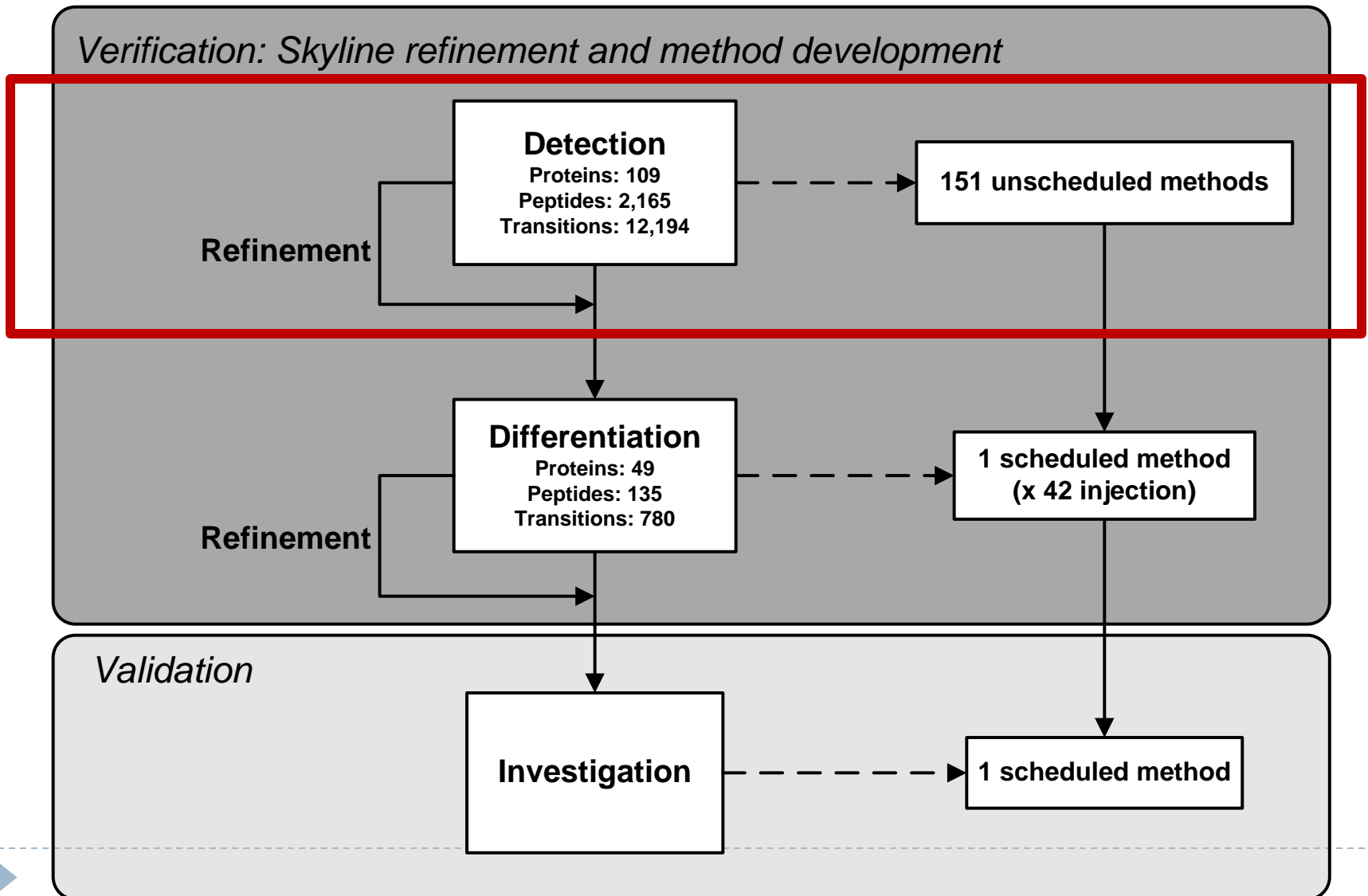


Jim Bollinger

- ▶ Assay refinement for clinical use



Phases of Refinement: Detection



Tutorial

- ▶ Targeted Method Refinement in Skyline



Learn More

- ▶ Webinar #6: Effective Data Processing & Interrogation
 - ▶ Tuesday, April 14.
- ▶ Weeklong Course at PRBB, Barcelona 2014 – videos
 - ▶ <http://tinyurl.com/skyline-embo-2014>
- ▶ Workshop at US HUPO, Tempe, March 15
- ▶ Workshop at ASMS, St. Louis, May 30-31
- ▶ Workshop in Rio de Janeiro, August 31-September 2
- ▶ Weeklong Course at PRBB, Barcelona
 - ▶ November 15-20



Questions?

- ▶ Ask any questions you have on this month's topic, Targeted Method Design, 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.

