



Skyline Tutorial Webinar #23

Welcome to the next in the series of tutorial webinars designed to help you get the most out of Skyline mass spectrometry software.

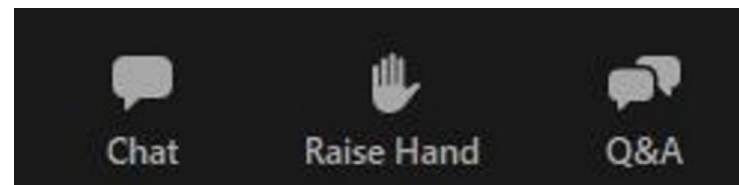
We'll begin shortly ...

- **Webinar Audio:** Make sure you have audio during the webinar.

Click **Audio Settings** in the lower left-hand corner of the screen :

- Computer audio (preferred) – through your computer's speakers or a headset
- Phone call (US and International numbers available) By phone, use conference ID: **961 1680 7175**

****Note: we currently have music playing which you should be able to hear.****



- **Submit Skyline Questions:** the Q&A form in Zoom to submit Skyline questions to the presenters
- **Have logistic issues?** Use the **Chat** applet in Zoom for report webinar software (Zoom) issues or other problems.



Tutorial Webinar #23

Using Skyline Live Reports

With

Brendan MacLean (Principal Developer, Skyline)
Nick Shulman (Lead Developer, Skyline)
Mark Belanger (Project Manager, Skyline)



Agenda

- Welcome 250+ registered, from the Skyline team!
- Using Skyline Live Reports
 - Introduction with **Brendan MacLean**
 - Tutorial with **Nick Shulman**

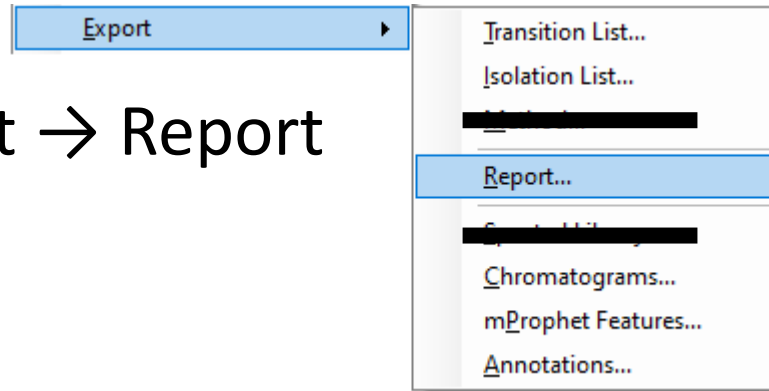
Nick Shulman



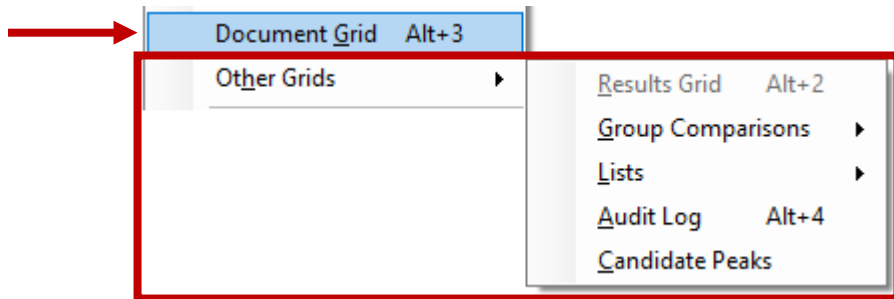
- Microsoft Access developer
- Joined web database startup in 2000
- Worked at LabKey Software (powers Panorama)
- Joined MacCoss lab in 2008
- Responsible for most reports (tabular data) available from Skyline
- Now answers most support questions
- Reviews all code going into Skyline and writes a lot of it

Reports in Skyline

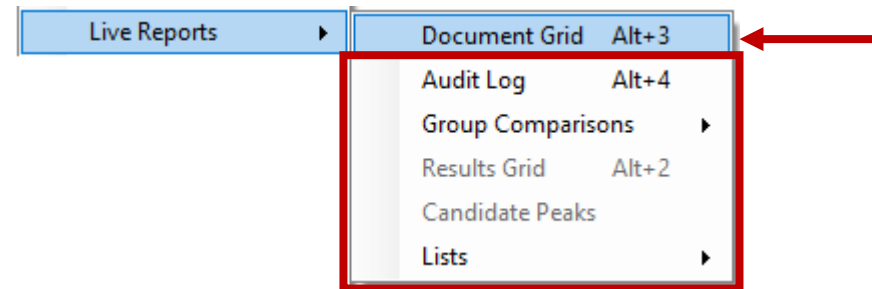
- File → Export → Report



- View → Document Grid

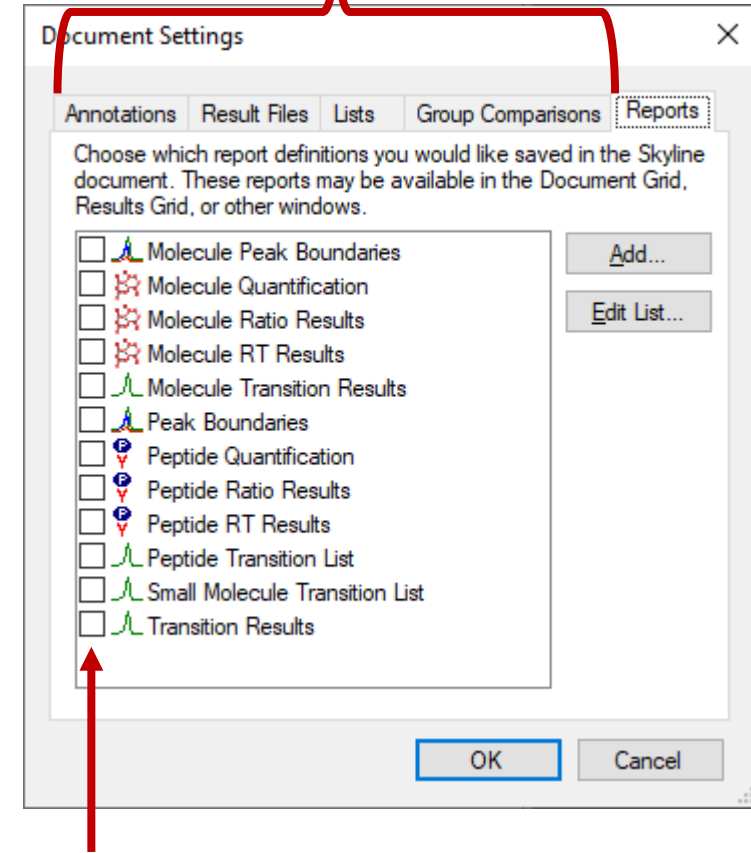
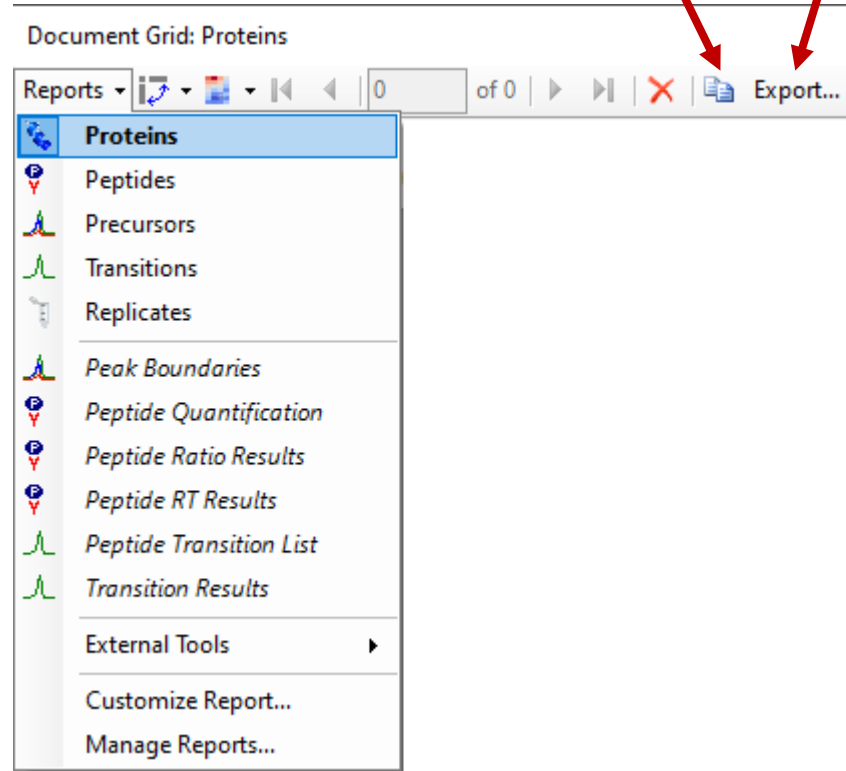
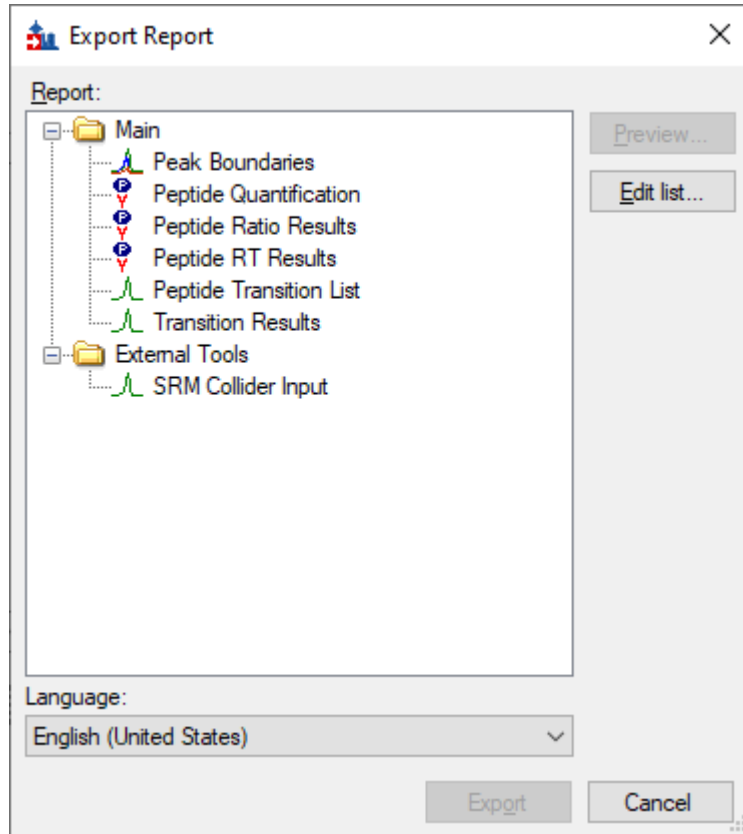


- View → Live Reports → Document Grid



- Settings → Document Settings - Reports

Reports in Skyline



Check to Save
With Document

Grouped Study Data Processing Tutorial

- Detecting plasma proteins with altered levels in a Dahl salt sensitive rat model

**7 Rats on a Low
Salt Diet**



**7 Rats on a High
Salt Diet**



109 proteins reported in literature as related to heart disease

Experiment Details

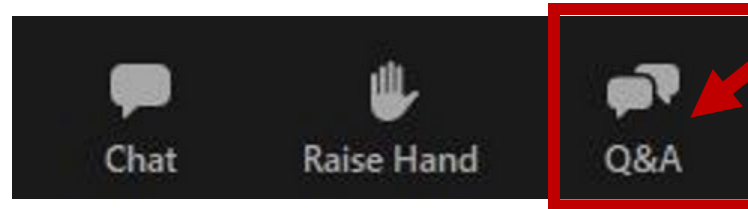
- Rat plasma experiment
 - Daniela Tomazela at University of Washington
- 14 subjects (7 health, 7 diseased)
- Technical triplicate
- Method design
 - Proteins from literature
 - No labeled reference peptide
 - Sparse spectral library coverage
 - Exhaustive measurement of tryptic peptides
 - Exhaustive measurement of $y_3 - y_{(n-1)}$ product ions
 - Refinement

Nick Shulman

- Tutorial
 - Document Grid
 - Annotations
 - Pivoting Reports
 - Other Reports (Other Grids)

Questions?

- Ask any questions at the Q&A form in Zoom:



- Take the post-webinar survey:

<https://skyline.ms/survey4webinar.url>



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This ends this Skyline Tutorial Webinar.

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

<https://skyline.ms/survey4webinar.url>

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.