

# Welcome!

## Skyline Users Meeting 2022 Minneapolis



# Skyline Team

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**Nat Brace**



**Brian Pratt**



**Rita Chupalov**



**Matt Chambers**



**Brian Connolly**



**Kaipo Tamura**

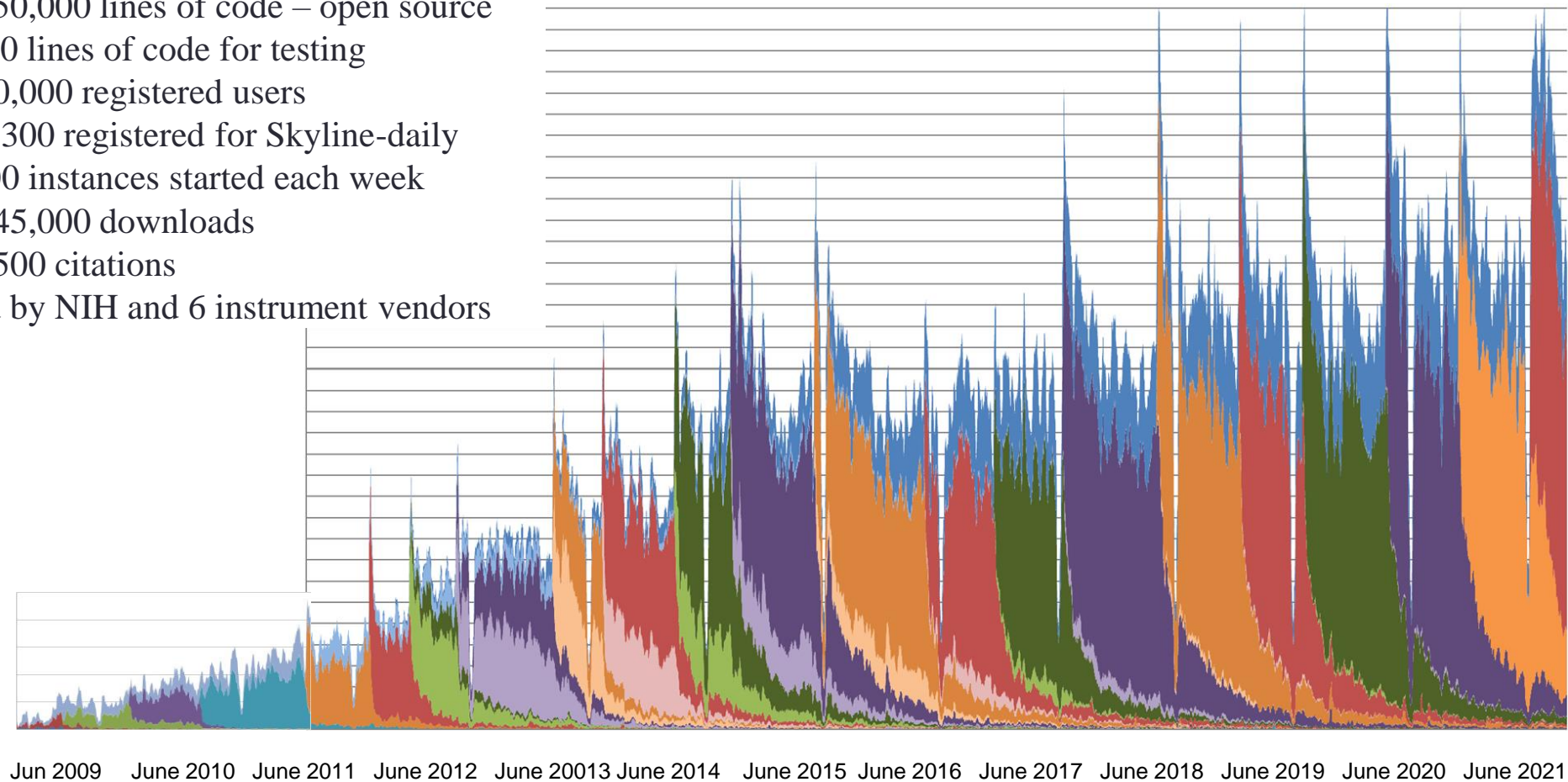


**Mark Belanger**

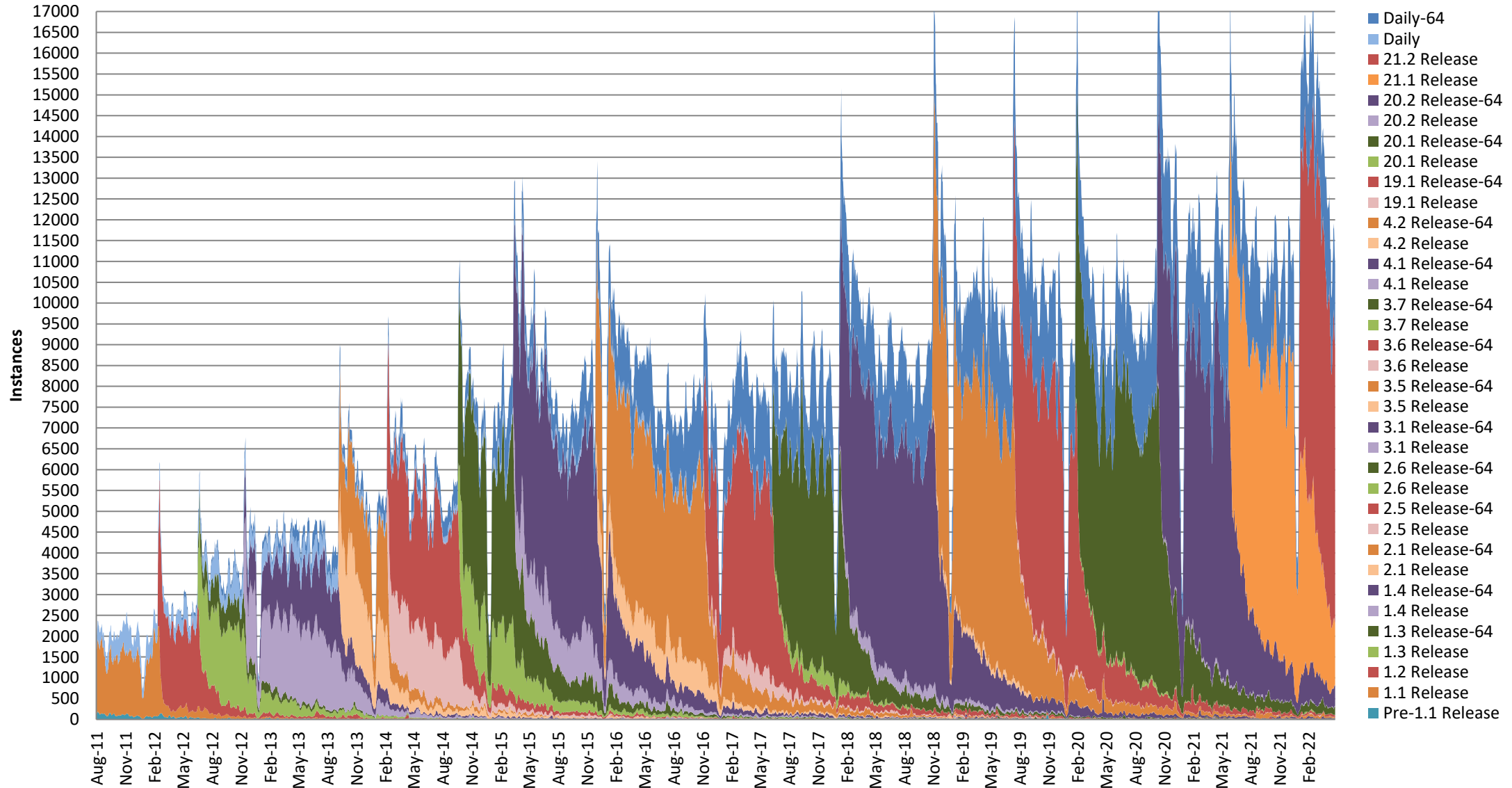


# Skyline Project Overview

- 14th year in development
- 8 developers (+1 PM, +1 IT)
- over 750,000 lines of code – open source
- 100,000 lines of code for testing
- over 20,000 registered users
- over 4,300 registered for Skyline-daily
- ~10,000 instances started each week
- over 145,000 downloads
- over 3500 citations
- funded by NIH and 6 instrument vendors



# 7-day Trailing Instances



# Skyline Development Federal Support

- **NIH/NIGMS: Seattle Quant: A Resource for the Skyline Software Ecosystem (until 4/30/2026)**
  - R24 GM141156 (PI: MacCoss)
- **NIH/NCI/ICF/Leidos: Proteomics Data Commons**
- **NIH/NIA: Next Generation Translational Proteomics for Alzheimer's and Related Dementias (until 1/31/2025)**
  - U19 AG065156 (MPI: MacCoss and Montine)
- **NIH/NIDDK: Quantifying proteins in plasma to democratize personalized medicine for patients with type 1 diabetes**
  - U01 DK121289 (PI: Hoofnagle)

# NIH/NIGMS: Skyline Grant Aims

- **Specific Aim 1:** Improve the robustness, reliability and performance of Skyline.
- **Specific Aim 2:** Improve support for non-proteomics workflows.
- **Specific Aim 3:** Improve collection, sharing, and dissemination of quantitative mass spectrometry data.
- **Specific Aim 4:** Support fully automated and cloud pipelines with Skyline processing.
- **Specific Aim 5:** Continue support and training for the Skyline ecosystem.



# Skyline Instrument Vendor Support



# Today's speakers



**Michael MacCoss** – MacCoss Lab, University of Washington



**Nathan Basisty** – NIA



**Evan Hubbard** – UC Riverside



**Alison Porter** – University of Kentucky



**Joanna Bons**– Buck Institute



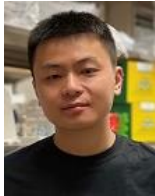
**Yishai Levin** – Weizmann Institute



# Today's speakers



**James Dodds**– NC State



**Yixuan (Axe) Xie**– UWSTL



**Lilian Heil** – University of Washington



**Florence Roux-Dalvai** – Laval University



**Brendan MacLean** – University of Washington

\*\*\* Close\*\*\*