We’re scaling the research process to solve open-ended novel problems, by providing access and connecting hundreds of people with top researchers.

**Background**

Scientific research is becoming increasingly collaborative, yet primarily limited to professional researchers in labs and univs.

Can we scale traditional research approach and invite anyone from around the world to participate, and crowdsource large-scale, open-ended research problems?

**Leading a Lab of Hundreds**

- 1097 signups, from all 6 continents
- 27% female, median age 21
- 80% with no research experience
- 250,000+ Slack messages
- 125,000+ mins. meeting videos watched
- 150,000+ Wiki views, 12,000+ edits
- 1,500 commits on Github for HCI project

**Three Parallel Projects**

**HCI**: Michael Bernstein, Stanford
Building a new crowd marketplace

**Comp Vis**: James Davis, UCSC
and Serge Belongie, Cornell Tech
Hybrid crowd-comp vis algorithms

**Data Sci**: Sharad Goel, Stanford
Testing the wisdom of crowd

**Challenges and the Process**

**Coordination**
- Exploration during the week, reset to argmax each weekend
- Divergence - using reddit, Wiki

**Convergence - using Slack, Hangouts**

**PageRank for fair Credit Distribution**

**Findings and Observations**

**Longevity** - always 40+ active ppl/week

**Reasons for Drop-off**

Unable to catch up after exams

Time commitments

Lost teammates

Lacked required skills

Felt isolated

Other

**Achievements**

- 3 WIP papers accepted at AAAI HCOMP and ACM UIST 2015 (avg: 56 authors/paper); full papers under prep.
- Participants accepted for grad school at MIT, Stanford, UCSD, Cornell, more…

**Paper Writing** - 8,000 edits