



Hello New Harvest Donors,

To put it simply, October was wonderful. We're still buzzing over the conference! THANK YOU ALL for contributing - as donors, as attendees, as sponsors, as speakers, as exhibitors, as volunteers, or as viewers from afar. It really took a village, and as donors, that includes you too!

Erin, Kate, and I each took some much needed time off to recharge after the big event. It's still been a busy month, with a lot of happenings and exciting news.

Let's bring you up to speed!

11/1/2017 YTD SNAPSHOT

+ Raised **\$517,963.41***
+ **96** new donors
+ Spent **\$178,579.44** in research grants
+ **22** speaking engagements
+ **49** media engagements

*Data from NationBuilder. Does not include pledges, income from speaking engagements or unused Shuttleworth funds.

Conference

- **ICYMI: A [#NewHarvest2017 recap](#) by Jason Weiss.** New Harvest volunteer Jason Weiss offered to write up a Medium article about his conference experience. [Read all about his experience](#) as a volunteer and attendee!



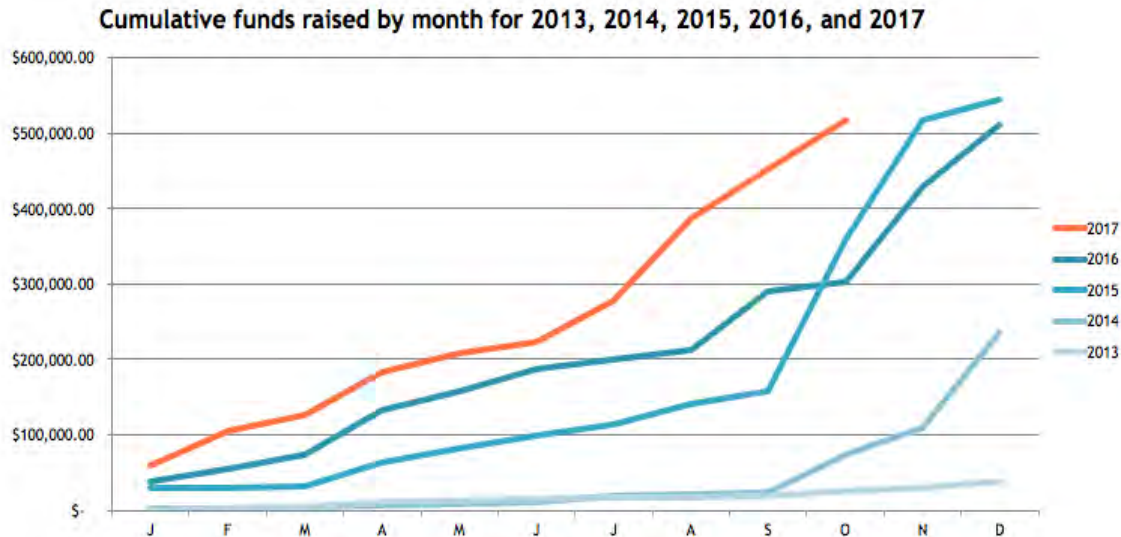
- **[We've got a super bright audience!](#)** We used the audience engagement tool Sli.do to run live Q&A during the conference. The audience commentary throughout the day was too good to not share - so we wrote a Medium article about it and [posted all the audience questions and comments here](#). Pretty good qualitative data!
- **[Wondering about the financial breakdown of a cellular agriculture conference?](#)** In the spirit of radical transparency, we put together a blog post to share how the finances of #NewHarvest2017 came together, including all costs and revenues. In total, the conference resulted in a net cost to New Harvest of **\$35,784**. For the full breakdown, [take a look at our post](#) on Medium.
- **Want to connect with other #NewHarvest2017 audience members?** If you would like to share your contact information with other conference attendees, [please add your name to this roster](#). New Harvest will not share contact information with third parties.
- **Photos & video.** We have begun sharing the photos in a steady stream on our social media channels. You'll see the videos as soon as they are available, via our newsletter and social media channels.

Organization

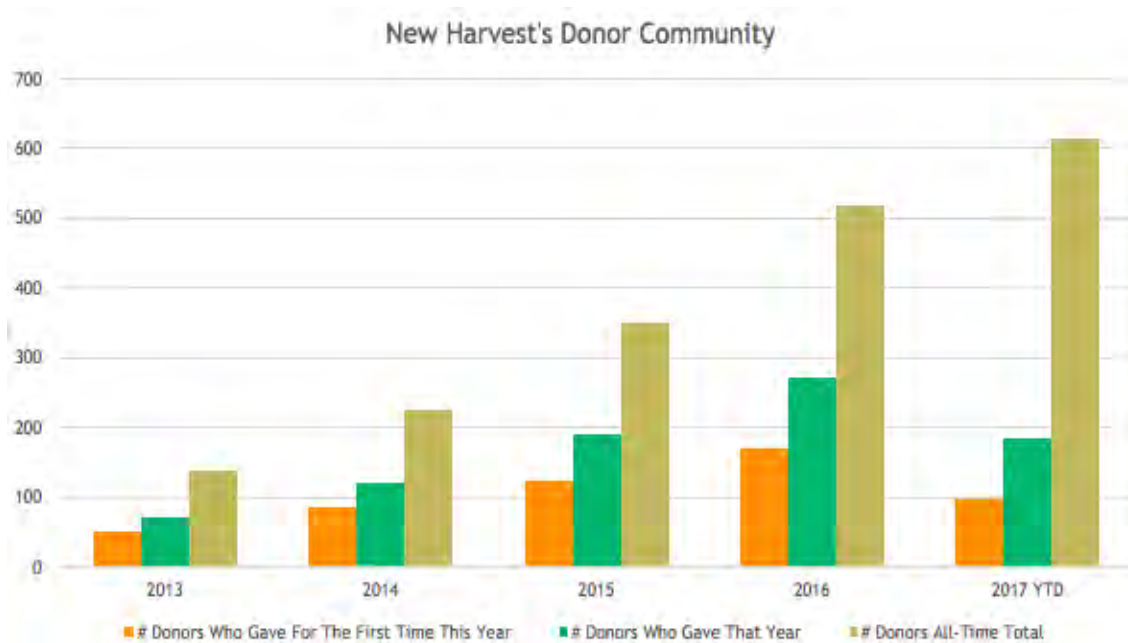
- **Audit and Form 990.** We're currently in the process of completing our yearly audit (as required for New York charities of our size) and Form 990. We'll share our audited finances as soon as they are available. A huge thank you to Dan Phillips, our Treasurer, for leading this process.
- **Moving office.** We're moving up! Or down, rather. On November 1st, we moved offices from the 6th floor to the 2nd floor into a bigger space in the same building (our mailing address has not changed).
- **2018 Planning.** We will be workshopping through our 2018 planning later this week, in preparation for our annual board meeting.

Fundraising

- **Fundraising status.** New Harvest has received **\$517,963.41** in donations and conference ticket sales between Jan 1 and October 31 of 2017. The data in the graph below does not include pledges, income from speaking engagements, unused Shuttleworth funds, or conference sponsorship. Thank you so much for helping us grow steadily, year after year! We're feeling great as we head into 2017's fundraising season.



- **Fundraising goals.** Our goal is to raise \$1,000,000 by the end of the 2017.



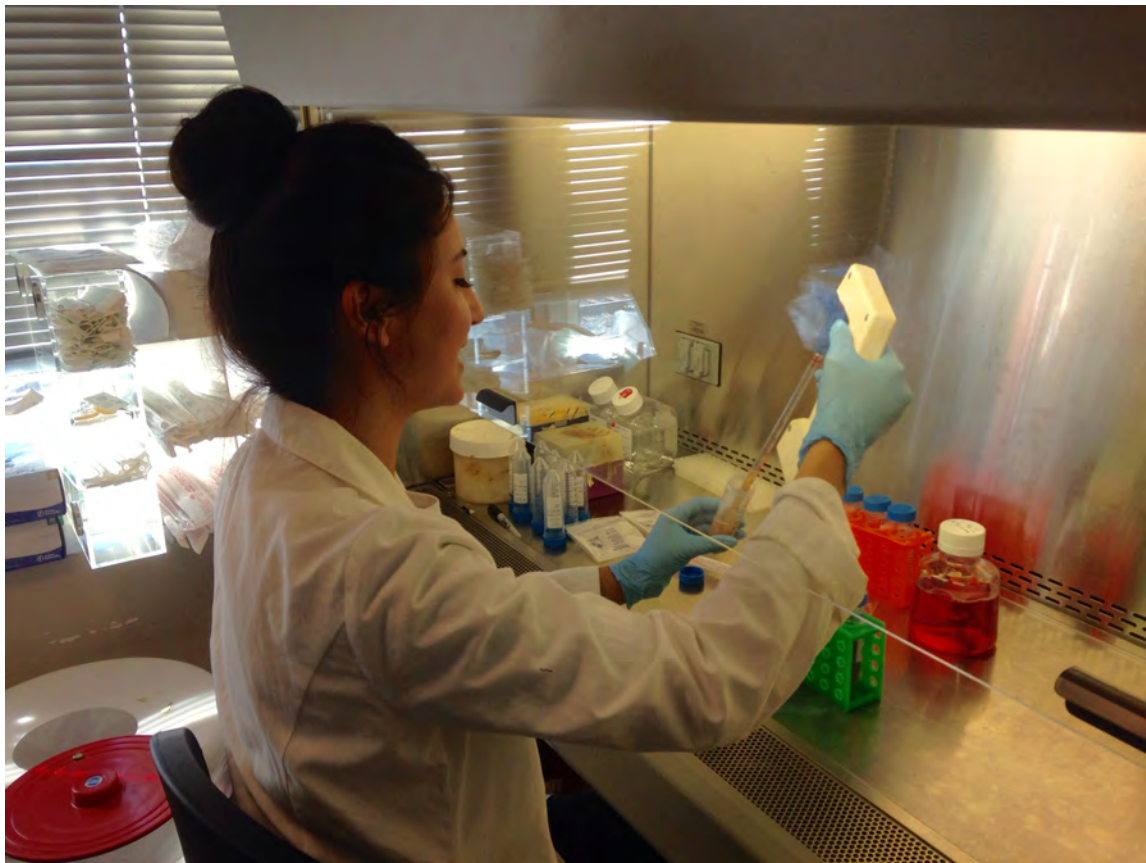
- **Growing donor community.** We're seeing our donor community continue to grow steadily!
- **Income from speaking engagements.** New Harvest has earned an additional **\$16,400** so far this year in Program Service Fees for speaking engagements. Any fees received by New Harvest staff for speaking engagements go to New Harvest the organization by default.
- **Income from Merck Advisory Board.** Merck KGA is putting together a new food innovation prize and asked for our input. New Harvest received **€1,500** for helping out.
- **Contribution from In Vivo Foundation.** We have received a 3 year commitment of €30,000 per year from the In Vivo Foundation. The Foundation supports innovations in agriculture. We're thrilled to have our first agriculture-focused institutional funder! These funds will be going towards our project at the Pelling Lab at the University of Ottawa, where New Harvest Research Fellow Santiago Campuzano is working to use plants as scaffolds for muscle tissue growth in culture. Our longtime supporters, The Scott & Cyan Banister Freedom Fund, are contributing the other half of the funds for this research project.
- **We're heading into year-end fundraising season, the most important time of the year for determining our 2018 budget.** The success of our fundraising effort over the next two months will factor into our research and other activities for the next year (and beyond). Do you know any individuals or foundations who we should be in touch with to meet our goal of \$1 million? [Let us know!](#)

Research

- **It's been a busy month in the lab.** The New Harvest Research Fellows are hard at work collecting tissue samples, making proteins, and pushing research forward. With six full time fellows, open source research in cellular agriculture is advancing faster than ever!
- **Bovine muscle cell isolation** - New Harvest fellows Natalie Rubio and Andrew Stout at Tufts University are isolating bovine muscle cells for cell banking in the Kaplan Lab! Here's a look at part of their process.

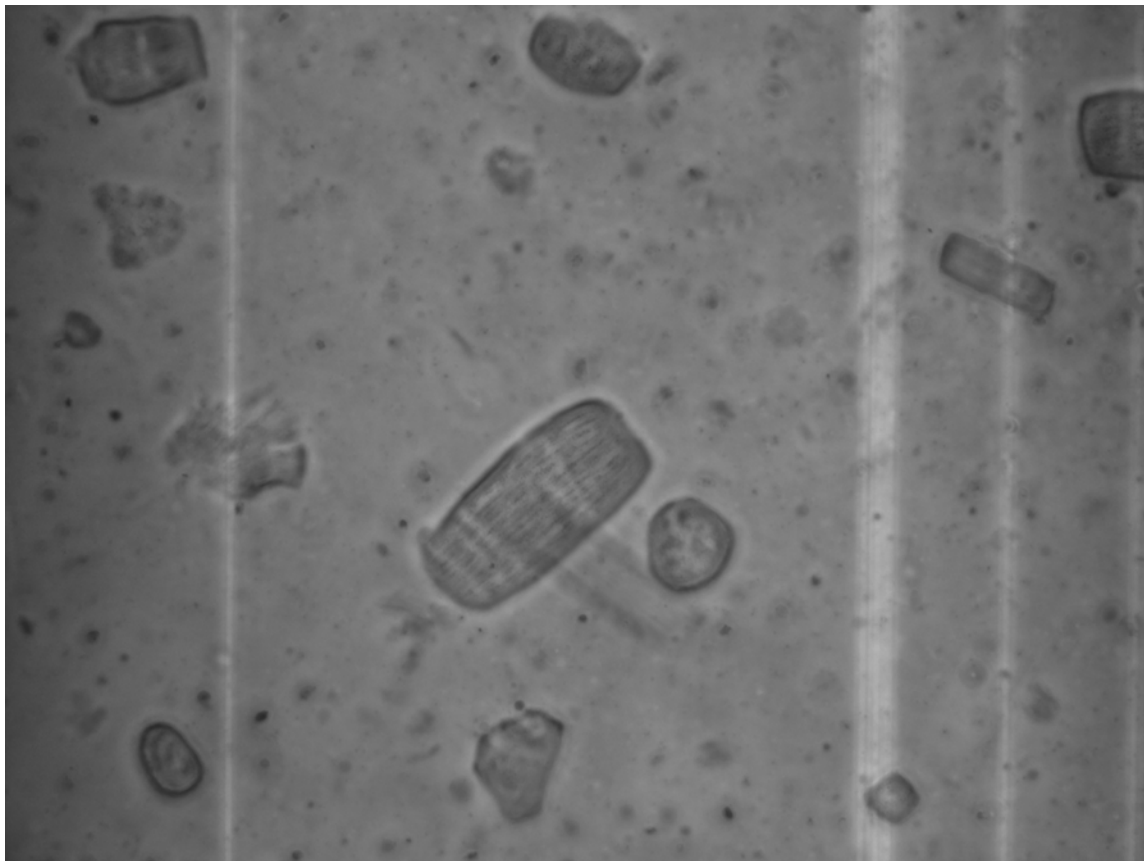


New Harvest Fellows Natalie Rubio and Andrew Stout's bovine muscle tissue, ready for isolation.





Fellows Natalie and Andrew hard at work isolating muscle cells in the hood!

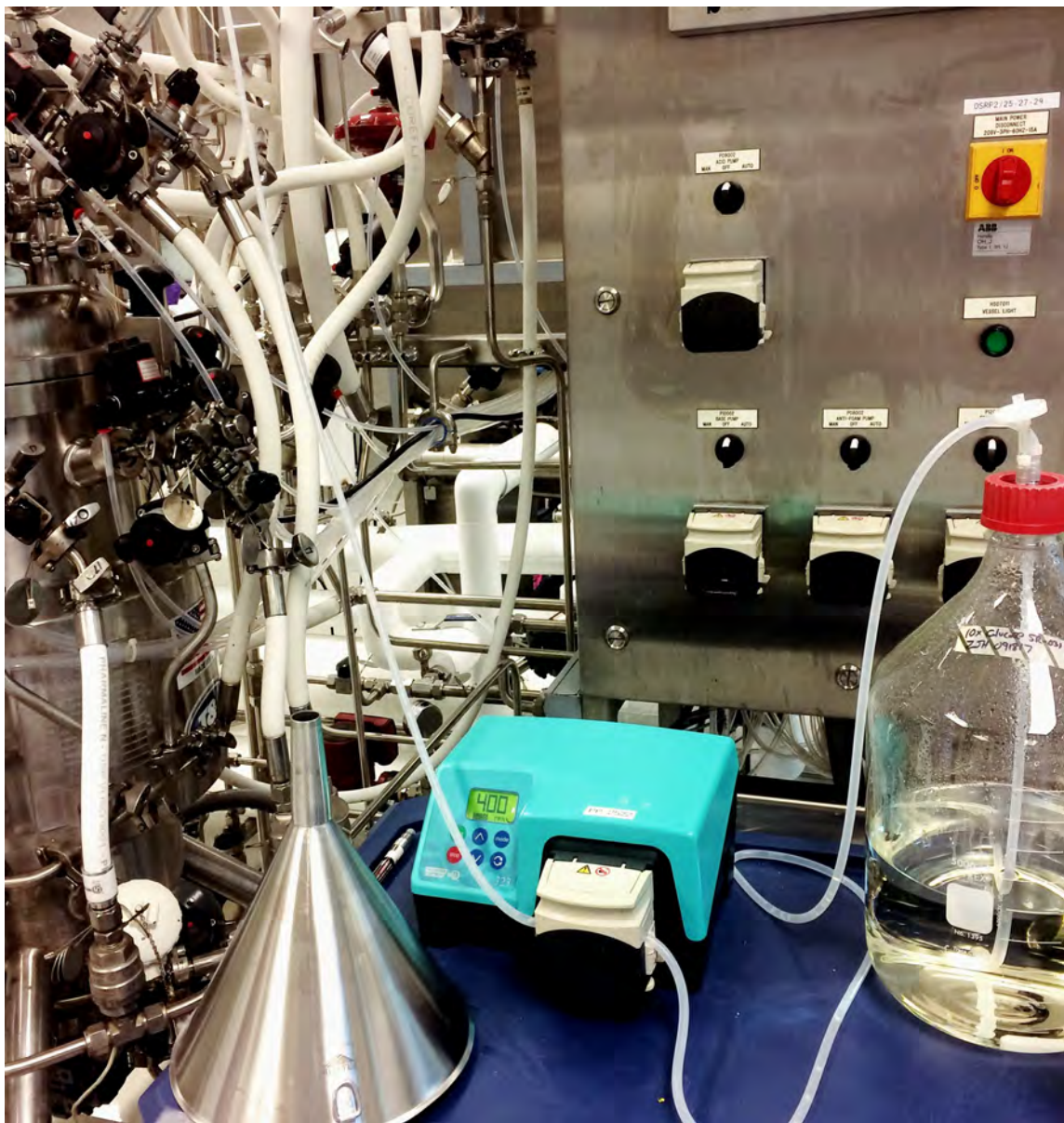


Some early fruits of their labor - small pieces of striated muscle tissue. Next up - validated single cells!

- **Making protein in bioreactors** - New Harvest Fellow Marie Gibbons is learning to make large quantities of protein using bioreactors in her bioprocessing class. She's been disassembling and reassembling the reactor, cleaning, sterilizing, adjusting dissolved oxygen, agitation, and aeration rates, and making media for her cell cultures.

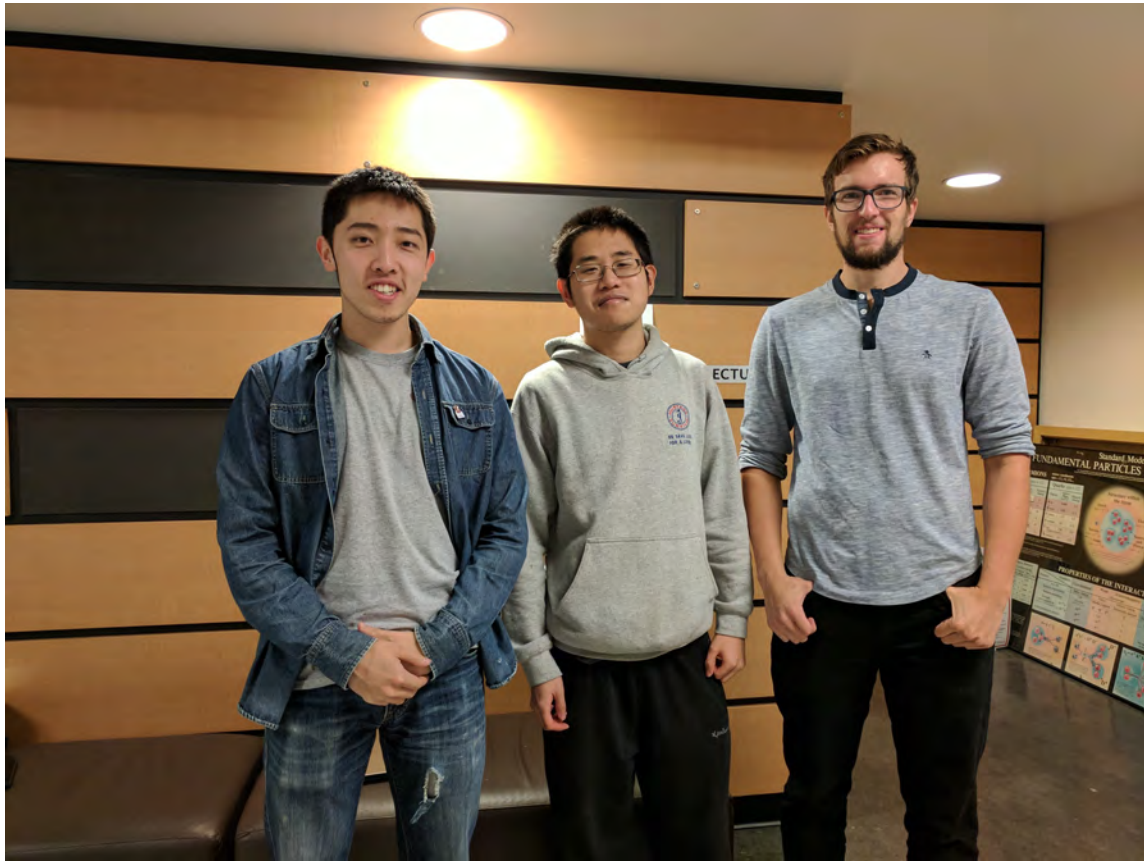


New Harvest Fellow Marie with a 30 liter bioreactor she used to make green fluorescent protein (GFP).

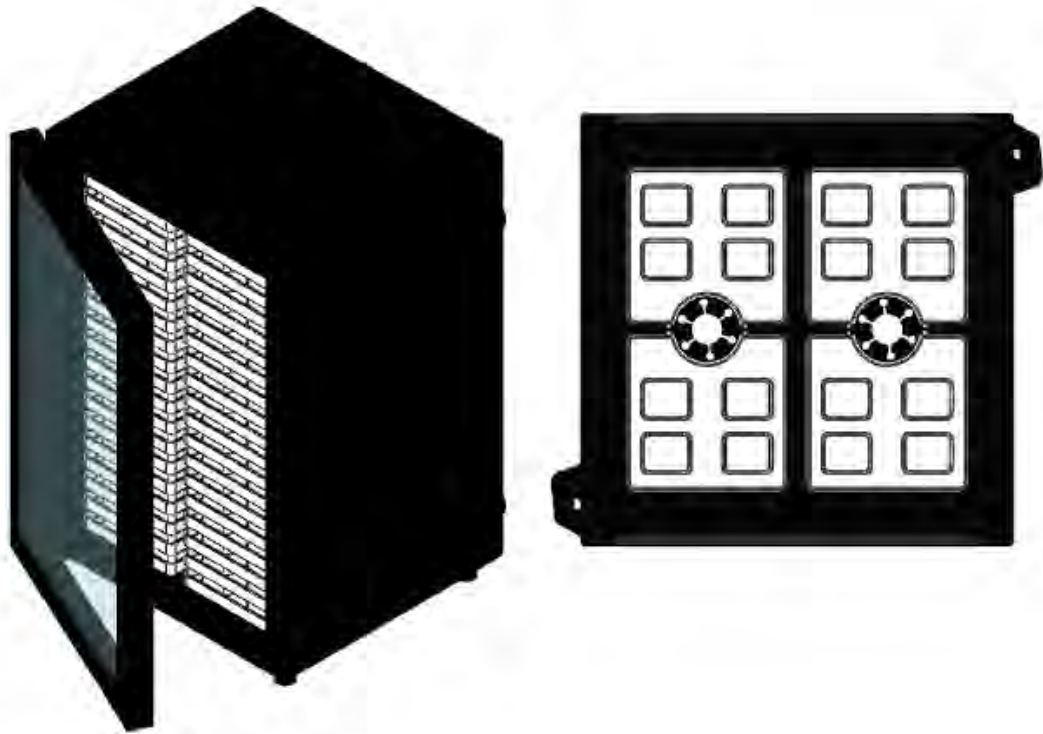


Marie “feeding” a 30 liter bioreactor with glucose.

- **New Harvest is supporting a bioreactor design seed grant** - New Harvest fellow Jess Krieger is mentoring a team of engineers at the University of British Columbia, who are working with her to design a functional bioreactor.

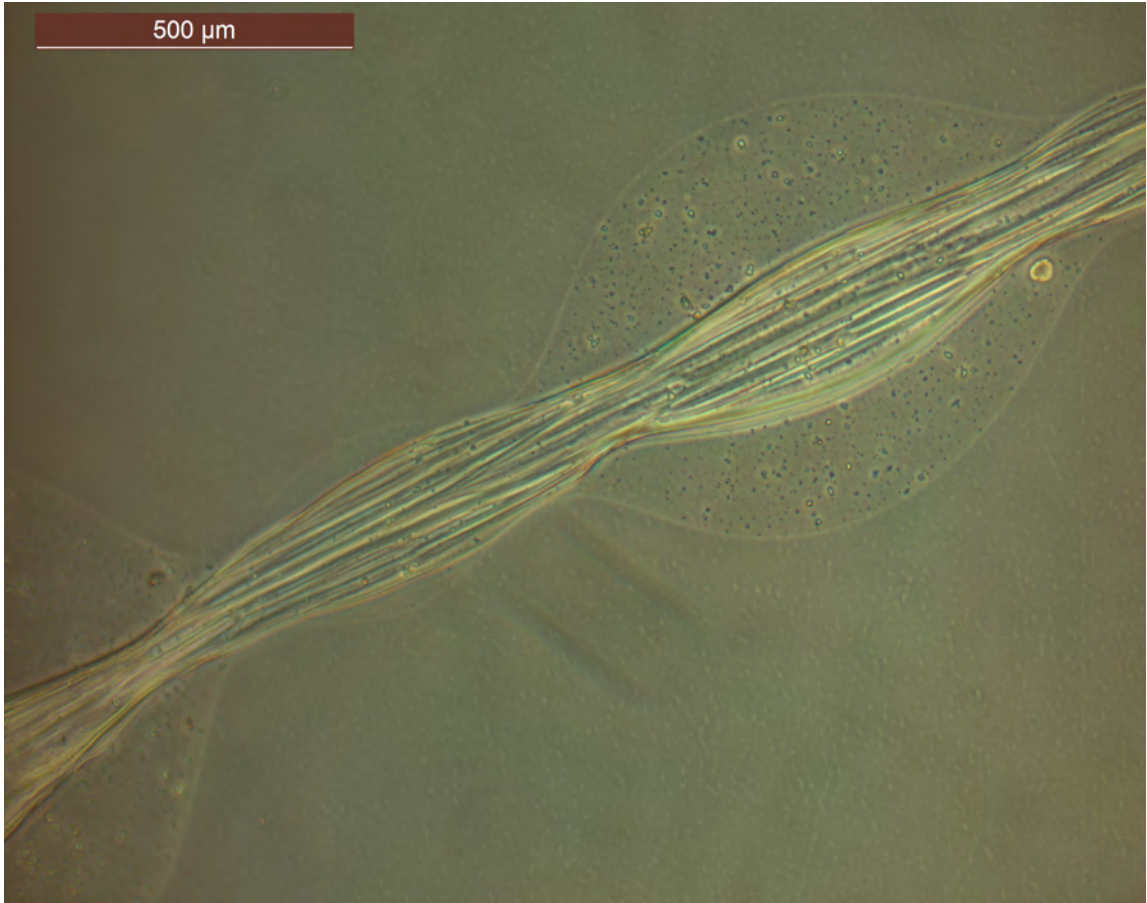
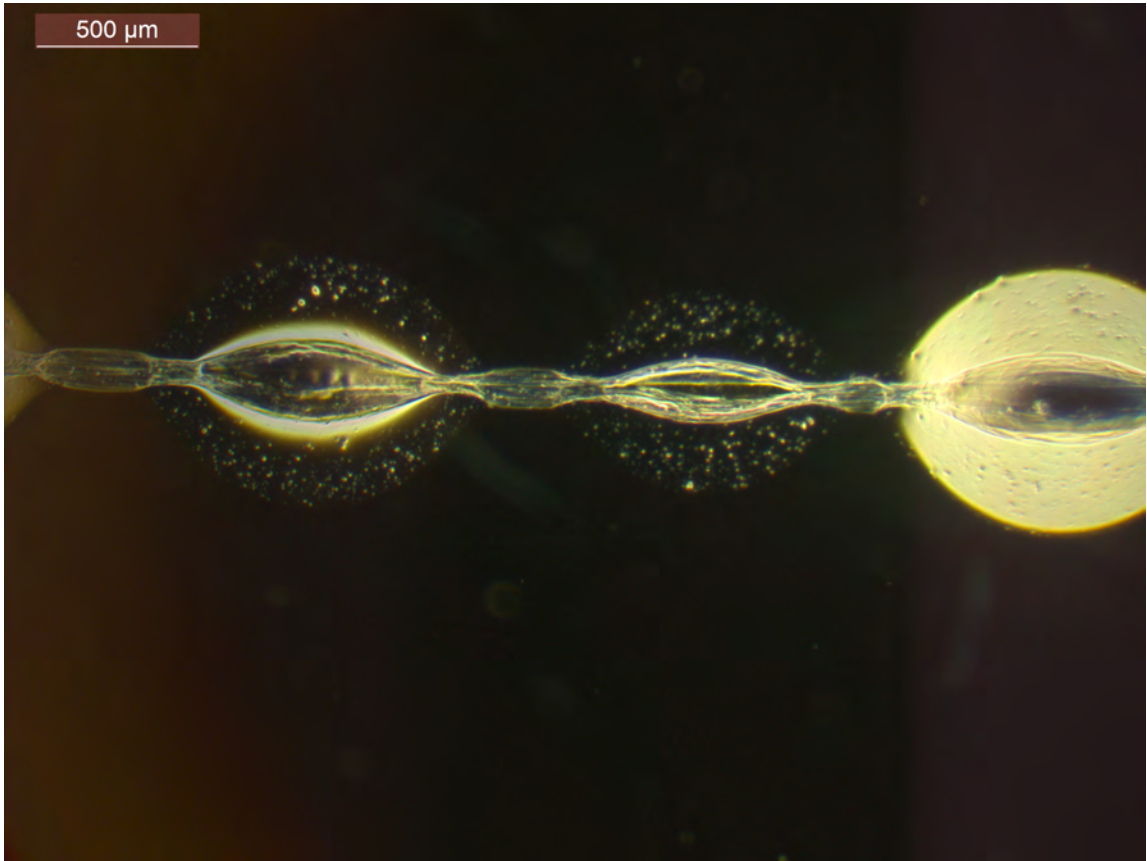


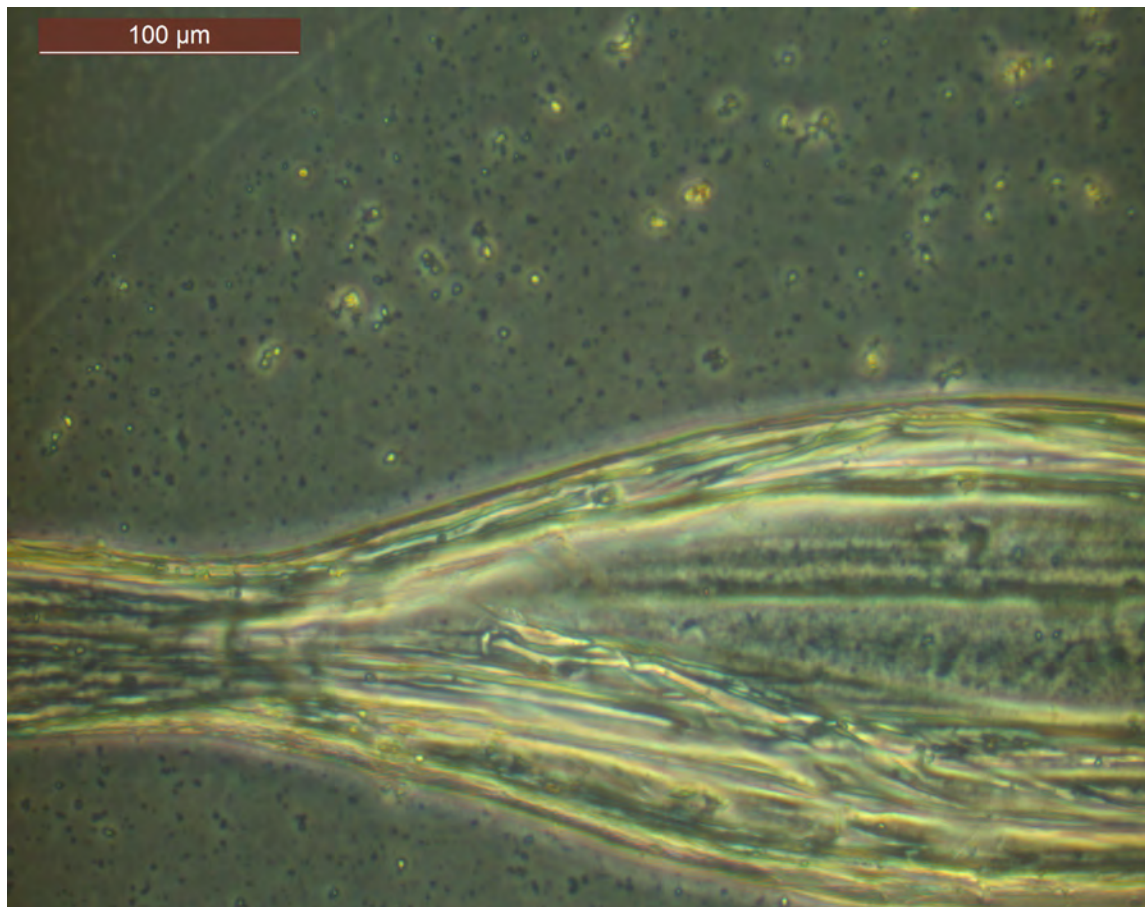
The New Harvest Seed Grant bioreactor team at UBC! Engineers Yi Fan Chen, Han Zhang, and Kyle Manke.



A schematic of the UBC team's bioreactor design.

- ***[Did you know?](#)*** Han Zhang, a member of our new seed grant program, has experience in optogenetics - an approach that utilizes light to stimulate specific neurons to study fly neuroscience. Read more about the technique [here](#).
- **Investigating Scaffolds** - New Harvest Fellow Andrew Stout has been perfecting his microscopy of alginate chitosan scaffolds. These images show alginate chitosan scaffolds at different magnifications.





New Harvest Fellow Andrew Stout's alginate chitosan scaffolds for muscle cells.

Communications

- **The #NewHarvest2017 conference generated a ton of media coverage, including but not limited to:**
 - [Jess Leber's story](#) about Finless Foods for *Oceans Deeply*
 - [Mallory Locklear's story](#) about Hyasynth Bio for *New Scientist*
 - [Chase Purdy's article](#) for *Quartz* about The Future Market's vision of a Chinese restaurant takeout menu in the year 2038, featuring cultured meat on the menu
 - [Chase Purdy's coverage](#) on the Shojinmeat Project, also in *Quartz*
- **Remember to check out our [Medium page](#) for some of our writings on the conference!**
- **We've started publishing some of the photos from the conference on our [social media](#); stay tuned for more, along with a recap video and recordings of the talks, which will be released in the next couple of weeks.**

Community

- **Erin met with some folks at Argentina's National Agricultural Technology Institute (INTA) at their office in Buenos Aires last month.**
We're keeping in touch with INTA, and are looking forward to seeing what may come of this encounter in the future!

That's our October - thanks to each and every one of you for helping to make it another fantastic month!

A handwritten signature in black ink, appearing to read 'Isla'.

Executive Director, New Harvest