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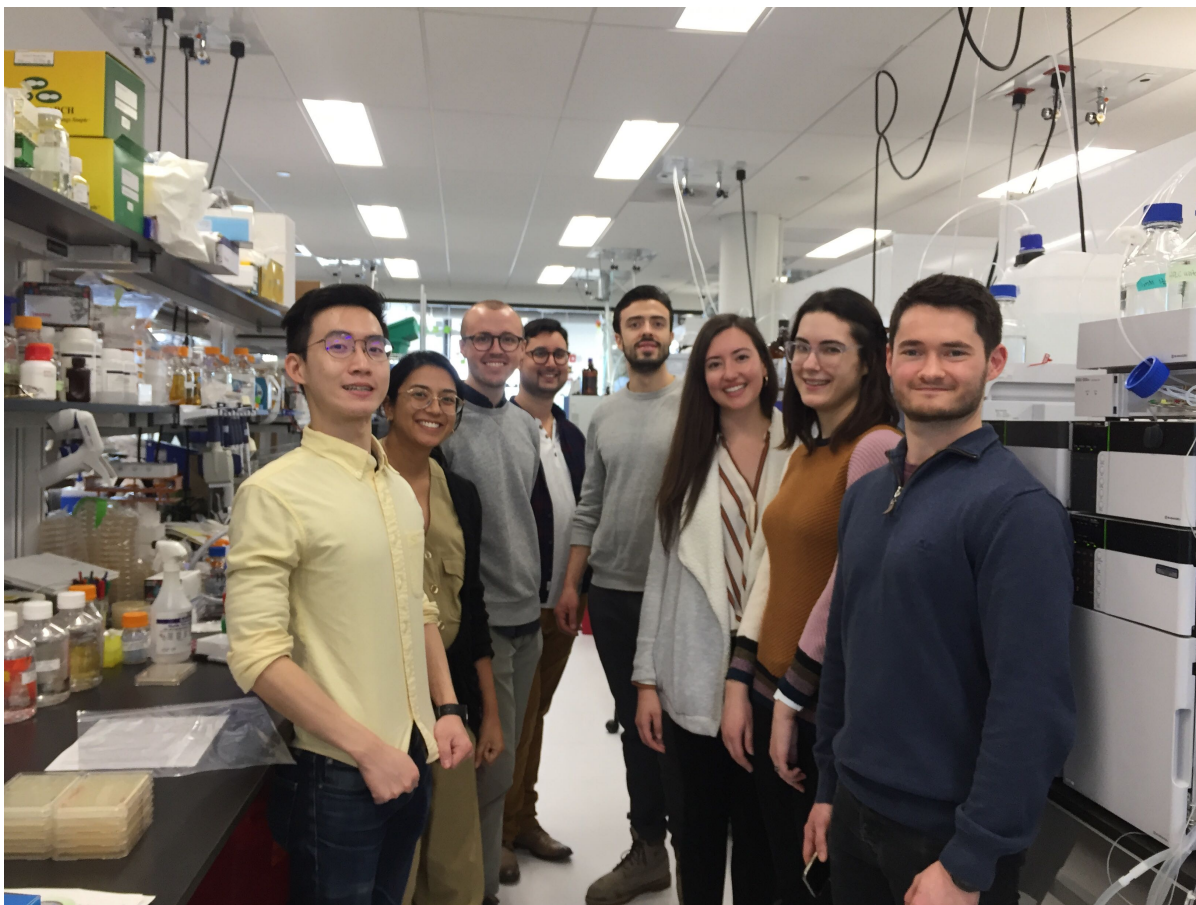
## ANNOUNCEMENTS

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The latest news from New Harvest:



- **Get your tickets!** New Harvest will be hosting the [4th annual](#) New Harvest conference on **July 19 & 20, 2019** at the MIT Media Lab in Cambridge, Massachusetts. **Tickets are now available on the [NH2019 website](#).** We're looking forward to seeing all of you there!
  - If you are a **student, biohacker, or veteran**, we have *major* discounts available for you! Fill out [this form](#) to apply.
  - Interested in **volunteering**? Fill out the [application form here](#).
  - If you would like to **exhibit your work**, you can apply to [share your work here](#).
  - Watch the [#NewHarvest2018](#) recap video to see what's to come!



The first New Harvest Lab Meet of 2019. Our research is supported by donors [like you!](#)

- New Harvest held the **first Lab Meet of 2019** in Cambridge, MA at the MIT Media Lab. This twice yearly event brings together all New Harvest Research Fellows, to exchange skills, knowledge, and know-how. As part of the Lab Meet, the team visited Ginkgo Bioworks. Here's the crew learning about scale and automation on a tour of Ginkgo Bioworks!

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## UPCOMING EVENTS

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- The [New Harvest 2019 Conference](#) takes place from July 19th to July 20th in Cambridge, Massachusetts. Get your tickets today to learn about the **future of cellular agriculture**.

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## NEW HARVEST FEATURES

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New Harvest Executive Director Isha Datar on the Learning with Lowell [podcast video](#)

- **Executive Director Isha Datar** spoke to Lowell Thompson on the [Learning with Lowell](#) podcast episode [“Cellular Agriculture Pioneering”](#). Isha shared her thoughts on how the cellular agriculture industry has changed over the years, the future of food, and what role New Harvest is playing to grow the field. You can also check out the video of the podcast [here](#).
  - Lowell has also spoken to **Research Director Kate Kreuger** on the Learning with Lowell podcast about her role in New Harvest and growing the research community around cellular agriculture. Check out Kate's episode [here](#)!
- [Check out our Twitter account!](#) Inspired by Ginkgo Bioworks, New Harvest now has a collaborative approach to Twitter - the account is run by a different member of the New Harvest community one week at a time. Catch a view into the many experiences and perspectives of New Harvest researchers, volunteers, staff, and more.

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## FROM AROUND THE WEB

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Our favourite content from the world of cellular agriculture:

- A research paper by Dr. John Lynch and Dr. Raymond Pierrehumbert called [“Climate Impacts of Cultured Meat and Beef Cattle”](#) was recently published in the journal *Frontiers in Sustainable Food System*. In the paper, Lynch and Pierrehumbert assess the climate impact of cultured meat production to conventional beef cattle by comparing different models of each production type. The authors found that, for the next 100 years, cultured meat production will be **more sustainable** than conventional animal agriculture. Their models

warn, however, that cultured meat *may not* be more sustainable if all the energy required for production is *sourced from fossil fuels*.

- Matt Simon from Wired summarizes and highlights key points from the research paper in his article [“The Confounding Climate Science of Lab-Grown Meat”](#). Simon also raises questions about the *proposed* cultured meat production at scale “because it, um, doesn’t exist yet.”
- In 2008, New Harvest funded the [first study investigating](#) the environmental impact of cultured meat production compared to conventional livestock agriculture by Hannah Tuomisto (featured in the above study as one of the cultured meat production models). *Eleven years later*, we're excited to see the topic further discussed and researched.
- "As an underserved niche, **their seafood focus** could be their selling point in a market rapidly attracting cell-based beef producers." Written by Robin Spiess, [this article](#) takes a look at the *first* cellular agriculture company in Southeast Asia: [Shiok Meats!](#)
- Can you imagine [A World Without Cheese](#)? This piece by UN Environment shares the story behind [Perfect Day Foods](#), a startup using cellular agriculture to produce **animal-free dairy proteins**. The article also includes **Executive Director Isha Datar** and how she first introduced co-founders Ryan Pandya and Perumal Gandhi.
- "However, there are many things that are unnatural that are fundamental to our society: glasses, motorized transport, the internet. *Why single out cultured meat?*" Written by Dr. Matti Wilks, [this article](#) takes a look at how public perception is an important obstacle to overcome for cellular agriculture to be part of the *future of food*.
- Cellular agriculture **research** features in [Nature](#). Written by Elie Dolgin, [this article](#) takes a look at research **funding** in the field. While a lot of money has poured into private cellular agriculture companies, *there has been little in the research and nonprofit space*. Dolgin speaks to New Harvest Research Director **Kate Kreuger** as well as New Harvest Research Fellow **Andrew Stout**.

In the world of **startups**:

- According to the [Irish Times](#), [Perfect Day Foods](#) raised **\$34.75 million** to complete their Series B funding. By designing yeast to produce the same dairy proteins found in milk from a cow, Perfect Day can make the same milk. Without needing the cow. [In November](#), Perfect Day co-founders Ryan Pandya and Perumal Gandhi were also named in [Forbes 30-Under-30 list](#) of Social Entrepreneurs.

- Ginkgo Bioworks recently revealed its spinoff company, [Motif Ingredients](#). And to start, Motif Ingredients announced that they raised a *massive \$90 million* in their [Series A round of funding](#). Motif Ingredients plans to use Ginkgo Bioworks' microbe platform to produce animal proteins to complement the flavour and texture of plant-based products.

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## EMPLOYMENT OPPORTUNITIES IN CELLULAR AGRICULTURE

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- **Kiverdi** is currently looking to fill a [number of positions](#) (Hayward, CA)
- **New Culture** is currently looking for a [dairy food scientist](#) (San Francisco, CA).
- **Shiok Meats** is looking to hire [several positions](#) (Singapore)
- **Clara Foods** is looking to hire a couple of [Research Associates](#) (South San Francisco, CA)
- **Finless Foods** is actively looking for a [Senior Scientist](#) (Emeryville, CA)
- **Modern Meadow** is looking to fill a [number of positions](#) (Nutley, NJ).
- **Perfect Day Foods** is looking for a [Research Associate](#) (Berkeley, CA).
- **New Age Meats** is looking to hire a [Stem Cell Biologist](#) (San Francisco, CA).
- **Memphis Meats** currently has [several openings](#) (Berkeley, CA).
- **JUST** has [several openings in cellular agriculture](#) (San Francisco, CA).
- **Is your cell ag company looking to grow?** [Get in touch](#) to have your job posting shared on the New Harvest newsletter.

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This mailout was written by New Harvest community member Ahmed Khan from [CellAgri](#), a news and insights platform exploring the future of food with cellular agriculture. Check out CellAgri on [Twitter](#) and [Instagram](#)!

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