



[Inside BIOMILQ, the company growing breastmilk from isolated human mammary cells!](#)

Hi friend,

Last week, Leila and Michelle—co-founders of BIOMILQ—announced that they had [produced human breastmilk outside the body](#).

We were especially pumped about BIOMILQ's news because Isha, our executive director, is a new mother herself. Also, because New Harvest makes a cameo appearance in the company's story!

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Four years ago, we received an email from a "chemist-turned-game programmer" in North Carolina who wanted to produce a cup of mammary cell-cultured milk.

He called it...cellufacturing

As fate would have it, Isha and an intern were already scheduled to fly to North Carolina the following month to visit one of our [research fellows at NC State University](#).

Three weeks later, Leila (the chemist-turned-game programmer's wife, a cellular biologist, and the true protagonist of this story) picked Isha up from Raleigh-Durham International Airport and [regaled her](#) with colorful accounts of sourcing "steaming" udders from freshly slaughtered cows for initial experiments.

Although New Harvest didn't fund her project, we did provide initial support during a time when everyone else looked at Leila like she was crazy. In large part, this meant showing her that a community did exist who was passionate about this work (albeit small and distributed around the world).

Leila was one of the original attendees at our [inaugural 2016 conference](#) in SF, and then we didn't hear from her again until 2019 when she came to our Boston conference.

Last week, Leila emailed with exciting news: she had confirmed the presence of casein and lactose in milk produced from isolated human mammary cells!



Thus concludes New Harvest's cameo appearance in BIOMILQ's (ongoing!) story, [the rest of which you can read about here](#) :)

Guest starring:

- *Daan Luining—the intern with whom Isha flew to North Carolina. He went on to co-found Meatable, a Dutch cultured meat company.*
- *Marie Gibbons—the research fellow for whom Isha was flying to North Carolina in the first place. She now works at Memphis Meats, a San-Francisco cultured meat company.*

All the best,



OPPORTUNITIES IN CELLULAR AGRICULTURE

- NYC friends! [Luke MacQueen](#), a cultured meat scientist, will be speaking at [Beer with a Scientist](#) on February 23 from 7-9pm at ABC Beer Co, 96 Avenue C. New Harvest's NYC crew will be there, and I'd love to see you!
- Have you registered for [#NewHarvest2020](#) yet? If not, I encourage you to do so now while **early-bird tickets are available**. We are also [accepting nominations](#) for speakers, panels, and exhibitors through March 13.

Leading up to our conference, there are two other cell-based meat events I recommend checking out:

- [Industrializing Cell-Based Meats](#) is March 24-26 in San Francisco. Natalie Rubio, one of our research fellows, will be speaking alongside an all-star lineup of cellular agriculture pioneers.
- This year's [Alternative Protein Show](#) is April 22-24 in Singapore!! If you've been keeping up with cell ag news, you know that Singapore is *abuzz* with activity as companies like Shiok Meats and Turtle Tree Labs announce breakthrough after breakthrough.
- Finally, the University of New South Wales in Sydney, Australia, is [hiring two postdocs](#) to drive cellular agriculture research in the School of Chemical Engineering.

For a comprehensive list of job postings in cellular agriculture, check out [Cell Agri](#).

[Register for New Harvest 2020](#)

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