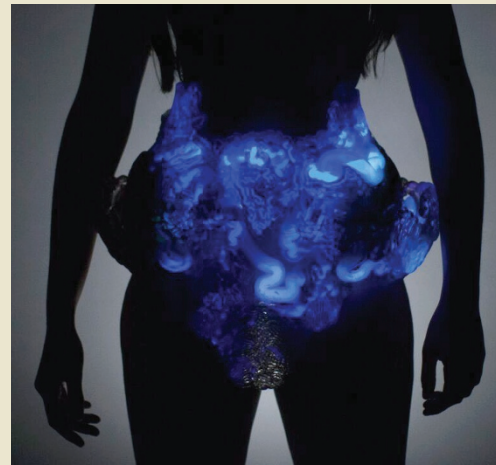


3D Printed clothing house microorganisms

The wearable gut. An intestine-inspired tutu made with 58 meters of tubes filled with fluid is part of a 'wearable microbial factory' collection created by Massachusetts Institute of Technology Media Lab Professor Neri Oxman. The 3D design uses generative growth algorithms mimicking biological growth, and a Stratasys Objet Connex3 3D printer. The resulting tube, here filled with fluorescent liquid, varies in diameter from 1 mm to 2.5 cm and incorporates internal channels and pockets to support living organisms. The tube's transparency gradient—from clear to opaque—will one day allow photosynthetic cyanobacteria, for instance, to produce sucrose when exposed to light, which *E. coli* or yeast can convert to useful products such as new types of materials, drugs, food or scents. Collaborators include researchers at Harvard Medical School and the Harvard Wyss Institute for Biologically Inspired Engineering. See the video here: <https://vimeo.com/131786000>.



Paula Aguilera and Jonathan Williams

Corrections

In the August 2015 issue, in the article "Microbial cocktails join fecal transplants in IBD treatment trials," IBD was identified as irritable bowel disease, rather than inflammatory bowel disease. The error has been corrected in the HTML and PDF versions of the article.

In the same issue, in the article "Oxitec trials GM sterile moth to combat agricultural infestations," trials with a genetically modified moth were described as the first to be used in agriculture. The first were in Arizona testing a GM insect to control pink bollworm, a pest of cotton. The error has been corrected in the HTML and PDF versions of the article.

Around the world in a month



NORWAY

The Oslo Cancer Cluster Innovation Park opens with a \$121 million public-private investment. The park includes the Cancer Registry of Norway, Oslo Cancer Cluster Incubator, Institute for Medical Informatics and Pathology at Oslo University Hospital, several biotechs and even a high school.



HONG KONG

Shenyang, China-based biotech 3SBIO raises \$712 million in an initial public offering on the Hong Kong Stock Exchange. The company, which delisted from the NASDAQ two years ago, aims to expand its portfolio of drugs through acquisitions and recruit staff to increase its presence in the booming Chinese biopharma market.



SCOTLAND

Scotland will ban GM crop cultivation to protect its "clean, green" image, its rural affairs secretary Richard Lochhead announced. Scotland will request to be excluded from any European consents for growing GM crops because the government is not prepared to gamble with the future of the country's \$22 billion food and drink sector.



SINGAPORE

The country's first publicly funded cancer drug candidate enters phase 1 trials in patients with solid tumors. The drug, ETC-159, was developed in a collaboration between A*STAR and Duke-National University of Singapore, and is expected to target a range of cancers, including colorectal, ovarian and pancreatic cancers.



INDIA

Prime Minister Narendra Modi calls for a second Green Revolution, saying his government is committed to modernizing the sector and increasing agricultural production. The key, he said, speaking at the Indian Agriculture Research Institute at Jharkhand, is the use of technology and improvement in infrastructure.