

# Cultured Meat: A New Era in Food Bioprocessing 2

**Venue:** MARSHGATE BUILDING – UCL EAST  
(Stratford, London E20 2AE)

**Date:** 16<sup>th</sup> April 2024

IChemE

Biochemical Engineering  
Special Interest Group

**Conference description:** Cultured meat is an emerging novel food that is more sustainable than meat obtained through traditional farming and may contribute to solving current food security and key environmental challenges. It is real meat with the same structure, composition, and taste, but it doesn't require animal slaughter and is produced in a controlled manner. Due to its complex structure with multiple cell types, the production of cultured meat is complex and challenging. Commercial availability and affordability of these novel food products will be determined by its manufacturing processes.

This one-day conference will cover the current status of the Cultured Meat industry with a focus on the bioprocessing challenges of scale-up, cost and new designs that this industry faces as it transitions from lab bench through to commercial production. This conference is suitable and open to all engineers, scientists and entrepreneurs interested in the sector. The meeting is organised by the Biochemical Engineering Special Interest Group (BESIG) within the Institution of Chemical Engineers (IChemE) and it will be hosted at UCL EAST campus on the Queen Elizabeth Olympic Park in Stratford, East London, newly opened in Autumn 2023. The conference will end with an optional tour of the UCL EAST Manufacturing Futures Lab (MFL).

Time	Title	Speaker / Company
09:00	Registration and Coffees	
10:00	Introduction to BESIG IChemE and the meeting	Glenn Robinson
	<b>CHAIR: Glenn Robinson</b>	
10:10	Cellular Agriculture Manufacturing Hub (CARMA): Achieving Circularity in Cultivated Meat Production.	Gary Lye (UCL)
10:30	Case Studies from the CPI Novel Food Innovation Centre	Yvonne Armitage (CPI)
10:50	CFD and CAD to aid scale-up of cultivated meat	Akin Odeleye (Ivy Farm)
11:10	Coffee and Exhibits (30 min)	
	<b>CHAIR: Petra Hanga</b>	
11:40	AI for sustainable and resilient food manufacturing	Nik Watson (University of Leeds)
12:00	Q&A panel (30 min)	Speakers from the morning session
12:30	Lunch and Exhibits (75 min)	

# Cultured Meat: A New Era in Food Bioprocessing 2

**Venue:** MARSHGATE BUILDING – UCL EAST  
(Stratford, London E20 2AE)

**Date:** 16<sup>th</sup> April 2024

IChemE

Biochemical Engineering  
Special Interest Group

## 12:30 Lunch and Exhibits (75 min)

**CHAIR: Eirini Theodosiou**

- |       |  |                                |
|-------|--|--------------------------------|
| 13:45 | Poster flashes -Early Careers Researchers (no Q&A)                                   | ECR Poster flashes (6 x 5 min) |
|       | ECR 1  |                                |
|       | ECR 2  |                                |
|       | ECR 3  |                                |
|       | ECR 4  |                                |
|       | ECR 5  |                                |
|       | ECR 6  |                                |
| 14:20 | The quest to achieve price parity in cultivated meat: how pet food can lead the way. | Helder Cruz (Meatly)           |

## 14:40 Coffee Break and Exhibits (30 min)

**CHAIR: Petra Hanga**

- |       |  |                                      |
|-------|--|--------------------------------------|
| 15:10 | Intensifying production of cultivated meat using microcarriers | Eirini Theodosiou (Aston University) |
| 15:30 | Enhancing structure in cultured meat                           | Che Cannon (BSF Enterprise)          |
| 15:50 | Q&A panel (20 min)   | Speakers 5-7                         |

## 16:10 Final remarks

## 16:15 OPTIONAL TOUR of UCL East facilities (30 min)

*With thanks to our sponsors for the day*

BPES

Broadley  
James

HAMILTON

PHCbi

Qkine

# Cultured Meat: A New Era in Food Bioprocessing 2

**Venue:** MARSHGATE BUILDING – UCL EAST  
(Stratford, London E20 2AE)

**Date:** 16<sup>th</sup> April 2024

IChemE

Biochemical Engineering  
Special Interest Group

## Organising Committee:

- Petra Hanga (UCL / Quest Meat)
- Glenn Robinson (Getinge)
- Vaughan Thomas (UCL / Tillingbourne Consulting)
- Eirini Theodosiou (Aston University)
- Alexandros Kiparissides (Aristotle University / UCL)

## Getting to UCL East:

<https://www.ucl.ac.uk/ucl-east/find-us>

W3W: <https://What3words.com/public.giving.spare>