



## July news

Welcome to the latest newsletter from the Future Food Beacon.

In this edition:

- Who are Future Food?
- The National Food Strategy
- Job opportunities! We have two opportunities for you to join our team.
- Join a Future Food Beacon study!
- News from the Food Innovation Centre
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### Who are we?

We are an open, research cluster exploring ways to feed a growing population sustainably within a changing environment. The University of Nottingham has over 250 researchers working on questions across the food system, spanning five faculties. The Future Food Beacon focuses this breadth and depth of expertise to generate transdisciplinary solutions to questions of future food security.

You can find out more on [our website](#). Want to work with us? [Get in touch!](#)

We welcome the publication of the [National Food Strategy](#) today. The Future Food Beacon has been involved in various discussions as the Strategy was developed, including in the need for a [What Works Centre for Food](#), public procurement, and inequalities in food access. Read our [Director's thoughts on the Strategy](#).

### Job opportunities

Dr Sally Eldaghaidey, Anne McLaren Research Fellow with the Future Food Beacon, is looking for volunteers for her new study investigating how the brain and gut interact after consuming foods high in fat and carbohydrate.

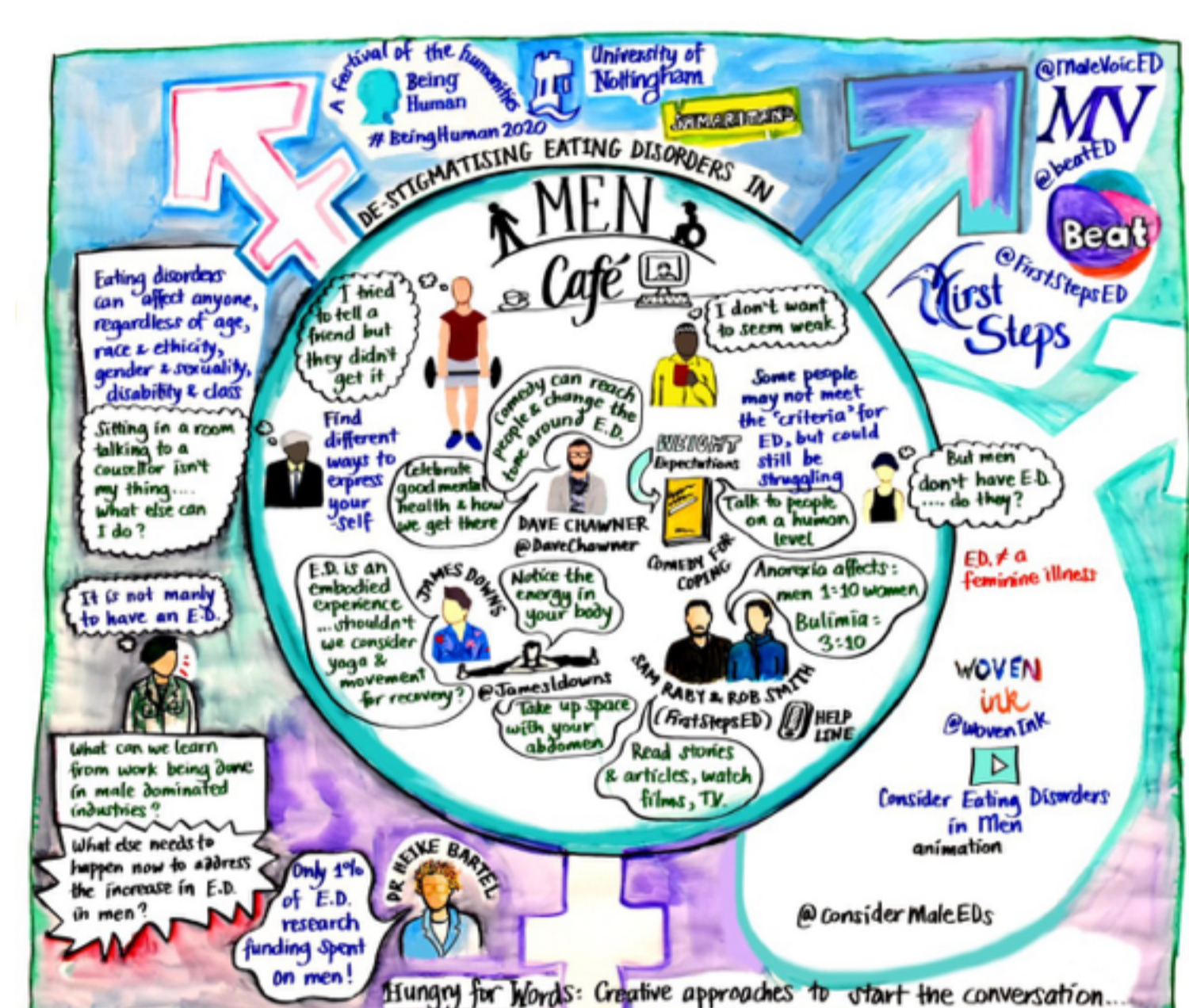
### Food Innovation Centre publishes sugar reduction factsheet

Experts at the Food Innovation Centre at the University of Nottingham have turned the spotlight on sugar reduction in their latest factsheet for the food and drink industry. The publication of the factsheet comes just as the National Food Strategy - led by Henry Dimbleby - calls for a range of measures to reduce sugar and salt in food and drink, including taxing the food and drink sector.

One of a series of factsheets compiled by the Food Innovation Centre to provide clear, concise and scientifically reliable information on key topics for small and medium-sized food and drink producers, the [sugar reduction factsheet](#) outlines why sugar should be cut, which sugars should be limited, how they can be replaced and describes how businesses can go about reducing sugar in their products. It has been written and compiled by Dr Wentao Liu, a research fellow at the Food Innovation Centre.



### Future Food news



Dr Heike Bartel is part of a [£3.8m interdisciplinary project](#) examining the way eating disorders are understood and treated in adolescents. Dr Bartel has previously worked on projects focused on male eating disorders, working with local community partners to [develop a training tool](#) for GPs to better help those struggling with illness. This new project, led by King's College London and the University of Edinburgh, provides a valuable opportunity to deepen Dr Bartel's interdisciplinary work and interest in how personal narratives of illness and recovery can be used to increase understanding amongst the public and professionals.

Dr Erick Murchie has a [new paper out in New Phytologist](#) examining nocturnal conduct in wheat.

Dr Gabriel Castrillo has a publication showing [how plants have a sensing mechanism](#) that regulates arsenate/phosphate uptake, protecting them from potentially toxic compounds in the soil.

Prof David E Salt, Dr Levi Yant and colleagues have written [how Arabidopsis thaliana plants adapt to life in coastal soils](#) in North Eastern Spain.

Congratulations to Dr Sean Mayes, Dr Rahul Bhosale, Dr Guillermina Mendiando and Prof John Brameld on a successful EU Horizon 2020 grant: RADIANT!

Prof David E Salt (Director of the Future Food Beacon and the School of Biosciences) is a Co-Investigator on a new research project led by Prof Mike George (Director of the Green Chemicals Beacon and in the School of Chemistry), funded by EPSRC. The project will pioneer innovative nanoscale imaging capability at the University of Nottingham.

#### From the Future Food blog

We have launched a new blog series: [the great duckweed hunt!](#) Ever wondered how scientists go about working in the field? This series takes you into the journey with PhD candidate Kellie Smith.

Are you a researcher preparing for a fellowship? Dr Pete Noy has [written some advice](#) on the best ways to prepare for application!

And if you're looking for experience in public engagement, Niki Tsoutsoura wrote about [presenting for Pint of Science](#), Greece!

### Upcoming talks, seminars and conferences

#### JULY

20 July

[The evolving asymmetric threat environment in Africa: Implications for good governance, social cohesion and sovereignty](#), Dr Abdel-Fatau Musah 12pm

21 July

[Regenerative agriculture in controlling basal stem rot disease in mature oil palm](#), Dr Christina Vimala Supramaniam, Malaysia Campus 10am

26-28 July

[UN Food Systems pre-summit](#) (Multiple events)

1 DECEMBER

[Systematic innovation for food security and rural sustainability in China](#). Call for ECR participants closes **30 July**.

### New publications from Future Food

#### Futureproofing agricultural systems

[Adaptation to coastal soils through pleiotropic boosting of ion and stress hormone levels in wild Arabidopsis thaliana](#) Busoms et al. (2021)

[Root Angle in Maize Influences Nitrogen Capture and is regulated by CBL-interacting serine/threonine-protein kinase 15 \(ZmCIPK15\)](#) Schneider et al. (2021)

[Arsenite provides a selective signal that coordinates arsenate uptake and detoxification through the regulation of PHR1 stability in Arabidopsis](#) Navarro et al. (2021)

[Whole-Genome Sequencing and Machine Learning Analysis of Staphylococcus aureus from Multiple Heterogeneous Sources in China Reveals Common Genetic Traits of Antimicrobial Resistance](#) Wang et al. (2021)

#### Food for health

[The nutritional quality of cereals varies geospatially in Ethiopia and Malawi](#) Gashu et al (2021)

[Communicating uncertainties in spatial predictions of grain micronutrient content](#) Chagumaira et al (2021)

#### Food for sustainable livelihoods

[Extraction of protein from food waste: An overview of current status and opportunities](#) Kamal et al (2021)

[Role of novel protein sources in sustainably meeting future global requirements](#) Salter and Lopez-Viso (2021)

To tell us your news, share conference registrations or abstract opportunities, as well as any food-related reading please email:  
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