

CHAIN Biotech is a UK synthetic biology company that develops and supplies synthetic biology tools and underpinning services for the bioscience community. The Company focuses on the provision of tools for non-conventional microbial chassis for a wide range of industrial biotechnology applications



Services to IB Companies

Identification & provision of alternative robust hosts, examples:

- Clostridia (solvents, medical)
- Bacillus (enzymes)
- Actinobacteria (antibiotics)
- Methanotrophs (solvents and organic acids)

Provision of Synthetic Biology tool kits

- Aggregate and assemble tools kits from different sources
- Develop and customise for specific applications
- Technical support (skills/equipment/facilities)

Services to Universities and Research Organizations

Monetising and adding significant value to their generated IP

- Supporting them to access and target a global market place
- Revenue generation and share - through royalty payments

Providing business guidance and market insight to the research team

Attracting commercial and grant funding & business growth through collaborative R&D

Benefits of working with CHAIN Biotech

Track Record

- Setting up & growing biotech start-ups
- Leading world class scientific R&D research
- Designing unique business models / strategy & delivering consulting services
- Successfully acting at the interface of academia & industry on a global level

Extensive Contacts

- Government, academic & industrial (globally)

Knowhow and access to sources of funding

- Grants, Seed and Growth Investment (business angels/VCs/Private equity)

Specialist Expertise

- Scientific & Technological (Biological, Environmental and Physical Sciences)
- Commercial, Business Development, Sales & Marketing

Methanotrophs

- Bacteria that metabolize methane as their sole source of carbon and energy
- Only known class of organisms that can 'fix' methane
- CHAIN is supporting Calysta to develop genetic tools for metabolic engineering and heterologous expression for IB usage

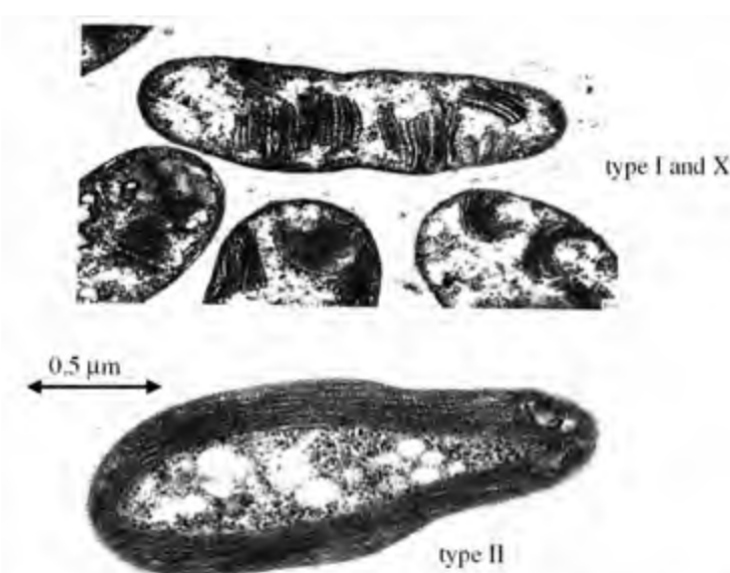
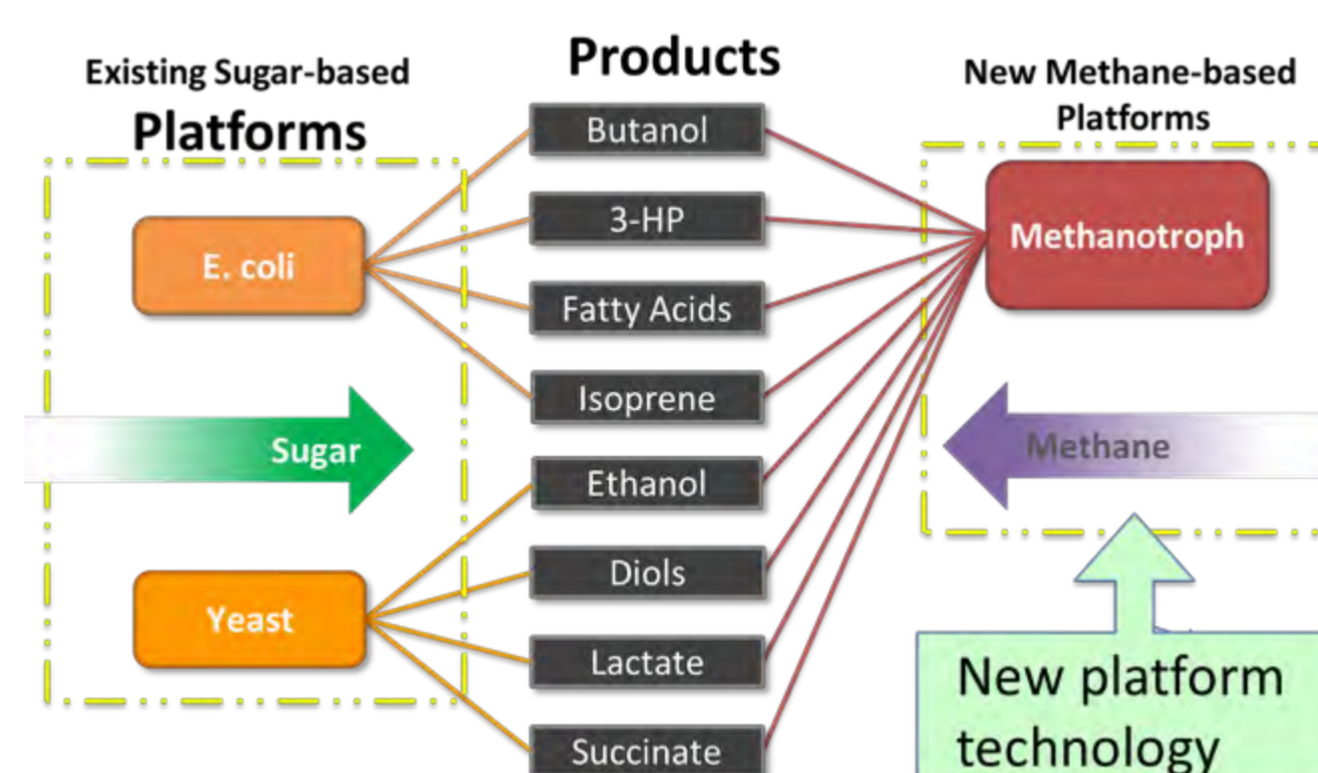


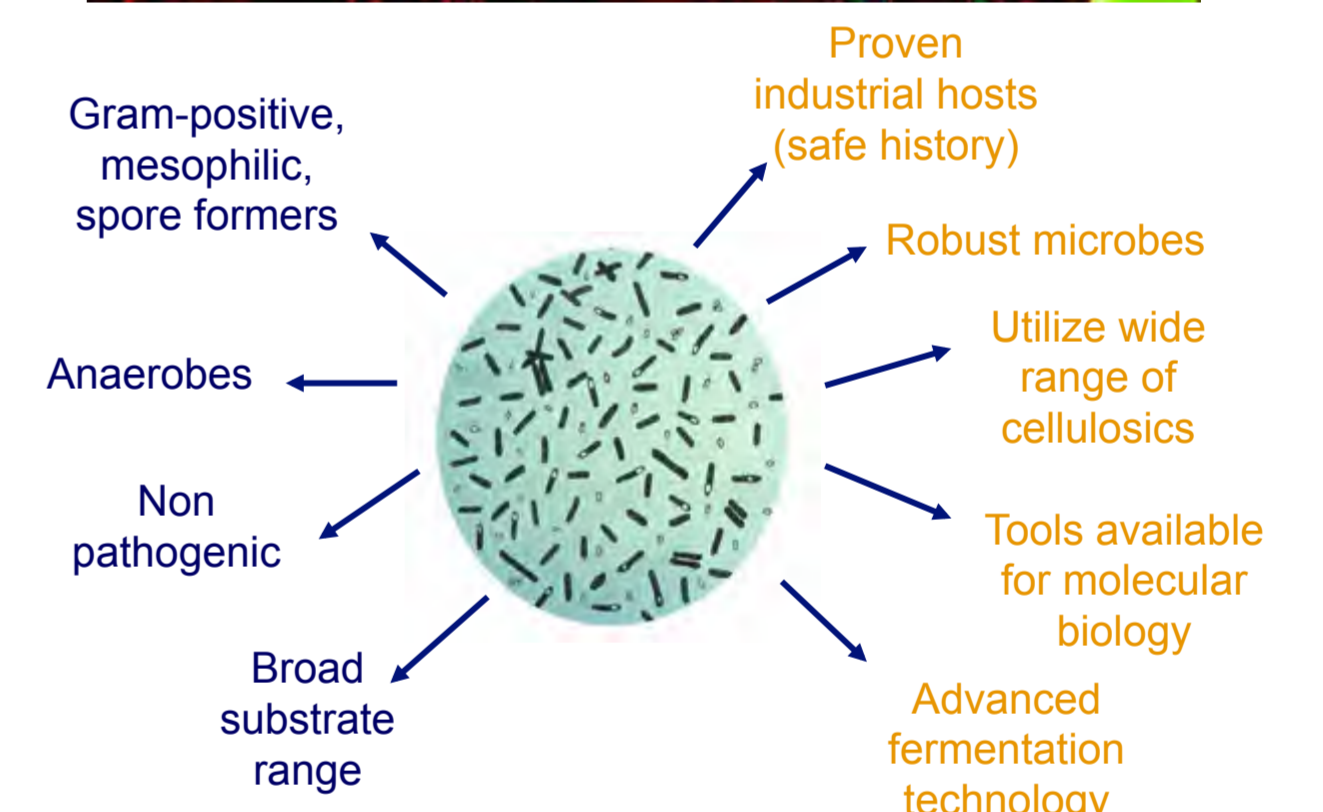
Figure 1. Transmission electron micrographs of sections of type I and X and type II methane-oxidizing bacteria.

CALYSTA



Clostridia

- Anaerobic bacterium that produces cellulosomes capable of efficiently degrading plant cell walls.
- Clostridia, second only to yeast as robust industrial microbes for fermentation
- CHAIN has exclusive access to best in class genetic tools and Clostridia based chassis



The Team:

Dr Edward Green – Chief Executive / Technology Strategy



Microbiologist and Entrepreneur (founded Green Biologics in 2003 from scratch and built into a world leader within ten years)

Pioneered technical improvements in microbial strain improvement and fermentation for renewable chemicals and biofuels (filed 10 patents).

Dr Basil Omar MBA – Chief Commercial Officer / Commercial Strategy



Former Vice President Business Development Green Biologics

Ex Marketing Director Spectrasite Transco (part of BG group)

Management Consulting Director Grant Thornton and PRTM (now PwC)

Physics PhD - Extensive R&D expertise in imaging & sensors (12 patents)

Contact Information:

Edward@Chainbiotech.com

Basil@Chainbiotech.com