



**CHAIN**biotech

The Clostridia Technology Company

## **NIBB Industrial Biotechnology & Bioenergy Careers Fair**

**Dr David Kirk**

Senior Scientist

# About CHAIN



**CHAIN**biotech  
The Clostridia Technology Company

- **Founded in 2014 by Dr Edward Green and Dr Basil Omar**
- Small SME – 10 employees
- **Develop clostridia bacteria for high-value products in IB & healthcare**
- **“Spin-in” business model – Academic collaborations**
- Strain development scientists, clinicians, fermentation scientists



Nutraceuticals

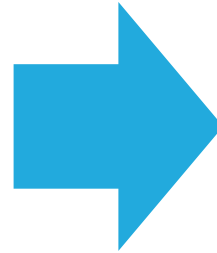


Biopharmaceuticals

# What we do

## Clostridium

Diverse metabolic products  
Utilise variety of C sources  
Spore formers

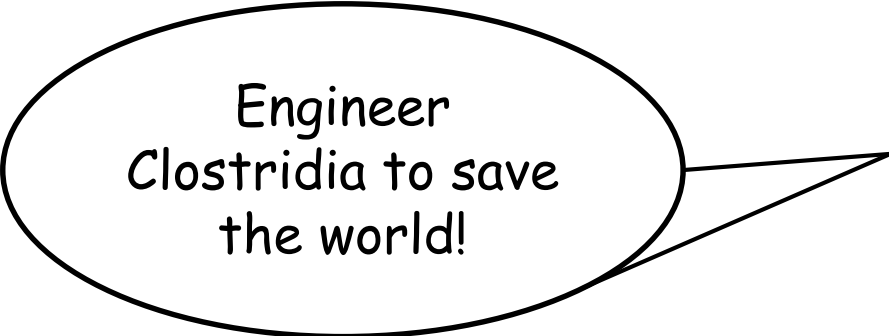


## Delivery platform

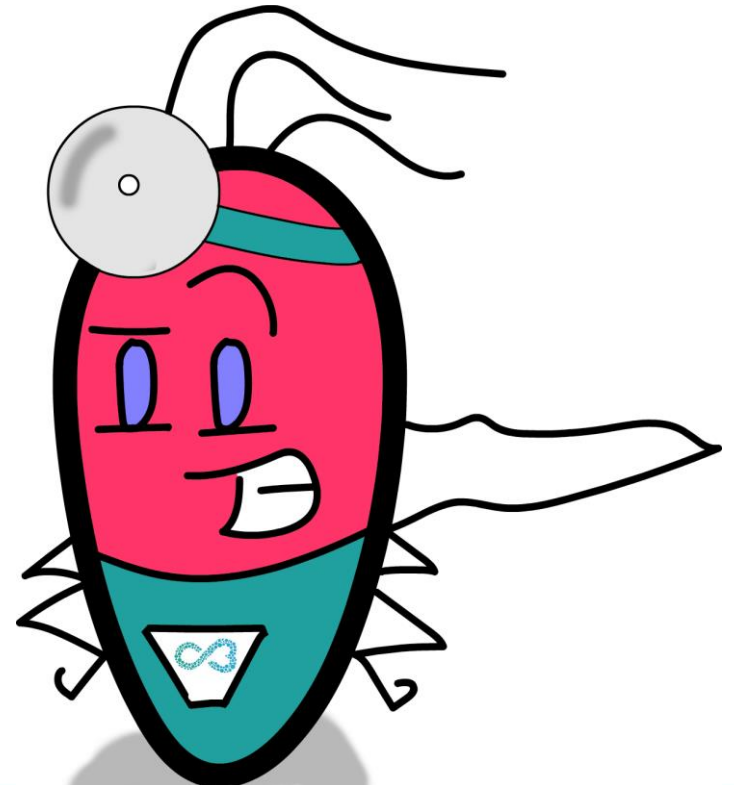
High-value IB chemicals  
Live biotherapeutic products  
Therapeutic compounds

## Pipeline

Discovery product/market  
Strain development  
Analysis  
Purification and/or  
Pre-clinical testing



Engineer  
Clostridia to save  
the world!



# Careers within CHAIN



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## Research

- Project managers
- Molecular biologists
- Microbiologists
- Biochemists
- Analytics experts
- Fermentation scientists
- Clinical trial specialists
- Research technicians

## Business

- Business development
- Market Research
- Product sales
- Regulatory affairs
- Collaboration management
- Grant writing
- Investor relations
- Online media admin

# ***Fantastic Skills and Where to Find Them***



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## **Case Study: Me**

- BSc Hons I (Ireland)
- Marie Curie PhD (Finland)
- Diploma in Media & Journalism (Ireland)
- Joined CHAIN 2015 after PhD

### **Key Skills**

- Culturing Clostridia
- Metabolic engineering
- Cutting-edge SynBio techniques
- Molecular biology techniques
- Scientific writing (6 papers)
- Diploma in media studies
- Experience in web content admin

International teamwork experience

Diverse transferable communication skills

Cheap

Essential skills for job

Good publication record

Brought something new to the table

# Fantastic Skills and Where to Find Them

## Key Skills

Culturing Clostridia /  
working with anaerobic  
bacteria

Project management /  
Lab organisation

Metabolic engineering &  
strain development

Biochemical analysis

Anaerobic/Gas  
fermentation

Where???

- Internships
- Voluntary work

- Summer/Night Courses
- Network/LinkedIn

## +++Skills

Management/  
supervision

Patent writing

Clinical trial  
management

Method development

Regulatory / legal  
affairs

# Who we're looking for



**CHAIN**biotech  
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*Hiring soon, see <http://chainbiotech.com/working-with-us/>*

Fermentation specialist

Clinical immunologist

Downstream processing

Clinical Research Associate

Molecular biologists

Interns

PIP  
students

Research  
technicians





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***Thank you for listening!***

Think you have what it takes to join the CHAIN gang?

Send an e-mail to Dr Dana Heldt: [dana.heldt@chainbiotech.com](mailto:dana.heldt@chainbiotech.com)

*Or find me here later today!*

*Special thank you to our collaborators, CBMNet & all the NIBBs*



**Imperial College**  
**London**  
Incubator