

# 2023 AUSTRALASIAN SYNBIO CHALLENGE

Est 2019

**Website:**

[www.aussynbiochallenge.org](http://www.aussynbiochallenge.org)

**Email:**

[hello@aussynbiochallenge.org](mailto:hello@aussynbiochallenge.org)

**Twitter:**

[@SynBioChallenge](https://twitter.com/SynBioChallenge)





# **ABOUT THE CHALLENGE**

**The Australasian Synthetic Biology Challenge is a free university-level program that invites and connects the brightest young students from universities across the country to create synthetic biology-based solutions for some of the biggest problems facing society and learn the basics of going from molecules to market.**

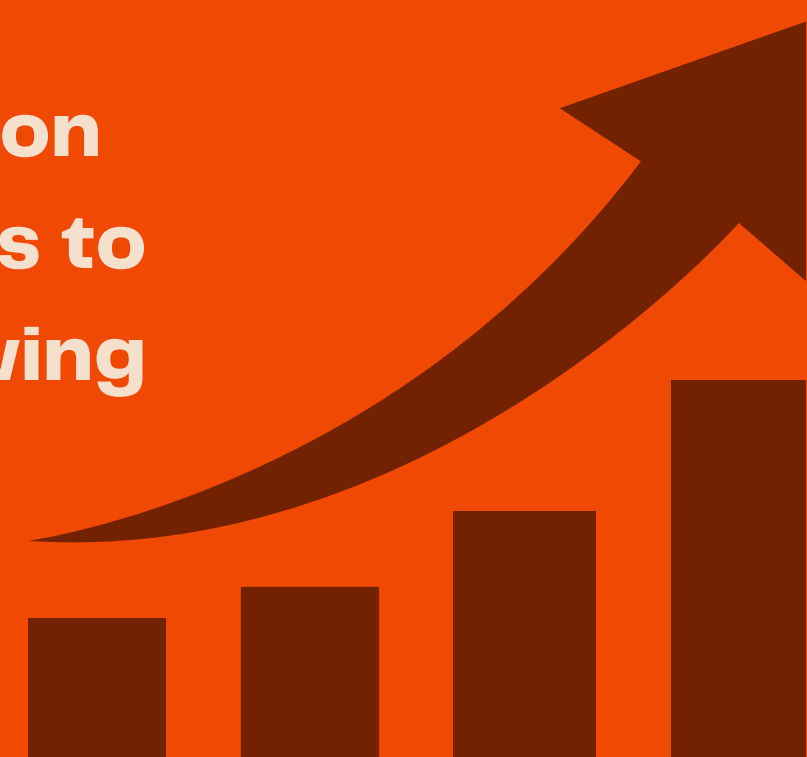
**It is our hope that the ideas formed here grow to become innovative companies that will be the leaders of the Australian bio-economy in the near future.**

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**The Australasian Synthetic Biology Challenge Limited is a public company limited by guarantee and a registered charity with the ACNC**



**The Challenge aims to be a key part of the SynBio education pipeline, offering unprecedented opportunities for students to immerse themselves in this field in anticipation of the growing demand for Australian Synthetic Biology specialists.**



# WHAT'S INVOLVED?



**DESIGN**



**BUILD**



**TEST**



**LEARN**

## DESIGN REVIEW

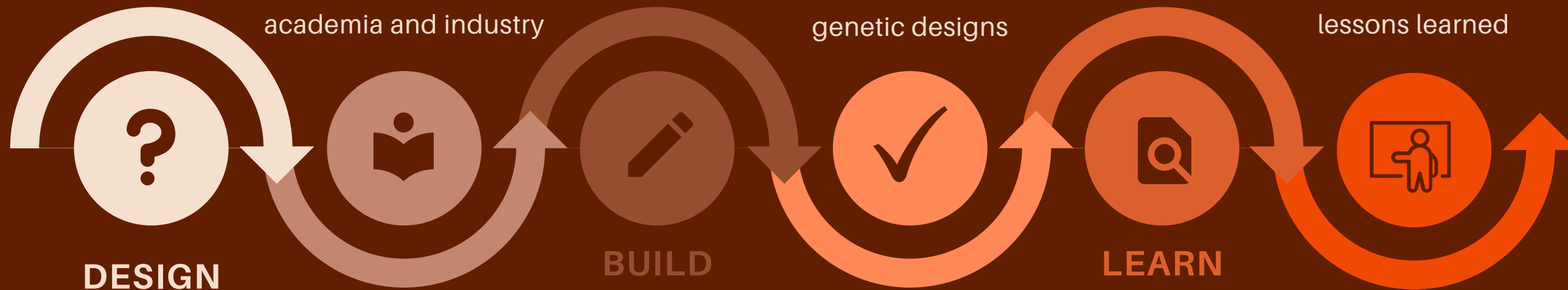
Teams get feedback and critique from experts in academia and industry

## TEST

Experimental testing and characterisation of genetic designs

## SHOWCASE

Teams present the design outcomes and lessons learned



**DESIGN**

Teams select their Challenge topic and develop possible solutions through genetic design

**BUILD**

Teams submit genetic sequences for DNA synthesis and build their designs in the lab

**LEARN**

Teams assess their results in light of their original design, propose modifications



**DESIGN  
REVIEW**



**DESIGN  
EXTRAVAGANZA**



**FINAL  
SHOWCASE**

A dark brown background featuring a stylized orange world map. A magnifying glass with a grey handle and frame is positioned over the map, focusing on the continent of Australia. The text 'THE 2023 CHALLENGE AND BEYOND!' is written in large, bold, white capital letters on the left side of the map.

# THE 2023 CHALLENGE AND BEYOND!

- Teams from NZ and Asia
- Integration with University curriculum
- Secondary School teams
- Hiring staff!



Australian National University



THE UNIVERSITY OF SYDNEY



THE UNIVERSITY OF NEWCASTLE AUSTRALIA



THE UNIVERSITY OF WESTERN AUSTRALIA

THE UNIVERSITY OF MELBOURNE



UNSW SYDNEY



THE UNIVERSITY OF MELBOURNE



MACQUARIE University



Queensland University of Technology



Queensland University of Technology



2020

2022

2021

2023



THE UNIVERSITY OF QUEENSLAND AUSTRALIA



Australian National University



THE UNIVERSITY OF MELBOURNE



THE UNIVERSITY OF SYDNEY



THE UNIVERSITY OF NEWCASTLE AUSTRALIA



THE UNIVERSITY OF WESTERN AUSTRALIA



UNSW SYDNEY

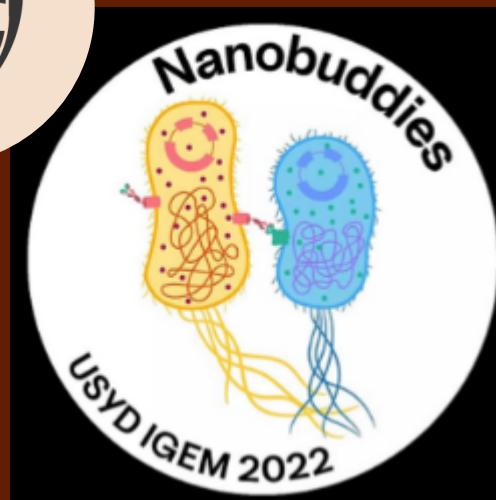
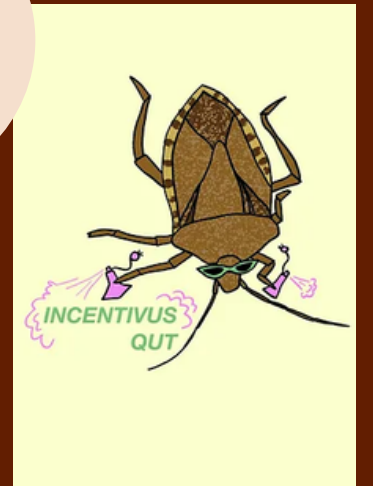
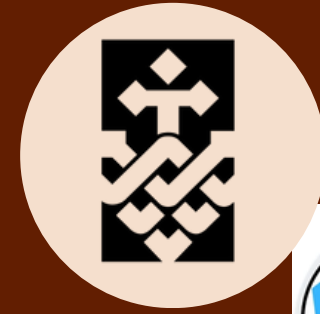


Queensland University of Technology





# THE 2022 CHALLENGE





# Challenge Sponsors



Australian National University



FB RICE

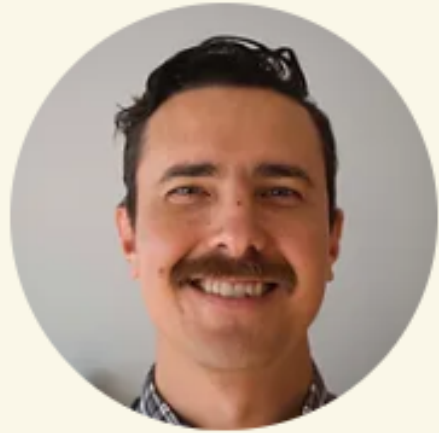


BLACKBIRD



WRAYS

# BROUGHT TO YOU BY



**Joseph Brock**

Co-Chair



**Matt Faria**

Co-Chair



**Brendan Kidd**

Co-Chair and Treasurer



**Jason Whitfield**

Co-Chair



**Nikki Ayende**

Program Manager



**Maciej Holowko**

Stakeholders and Relationships



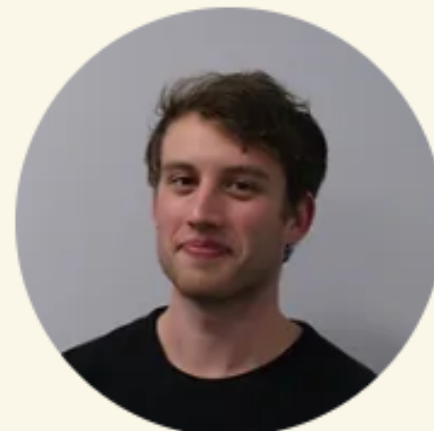
**Xiaoxiao Zhang**

University Representative



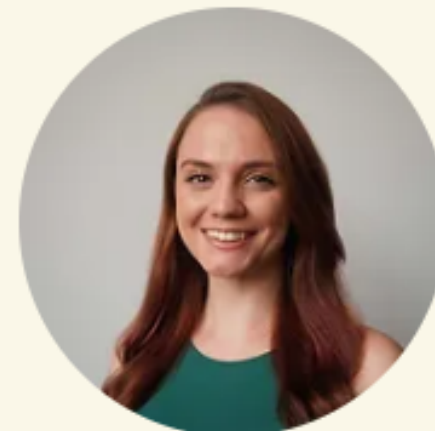
**Thomas Collier**

University Representative and Communications



**Nick East**

University Representative and Student Representative



**India Boyton**

University Representative and Communications



**Candice Jones**

CSIRO BioFoundry Representative



**Lisa Hartmann**

CSIRO BioFoundry Representative

# APPLICATIONS CLOSE

## Friday April 17th

**CONTACT:**

**[hello@aussynbiochallenge.org](mailto:hello@aussynbiochallenge.org)**

**Or reach out to us on Twitter**

**[@SynBioChallenge](https://twitter.com/SynBioChallenge)**

