

# **Grand Challenges: Transformative research on the world's most intractable problems**



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# ANU Grand Challenges: Overview

- **Large scale, long-term, interdisciplinary**
- **AUD\$10m base investments**
- **Drive collaboration within and beyond the University**
- **Co-investment expected**



# Selection Process

- Stage 1: Call for short video pitches. Complementary teams encouraged to amalgamate.**
- Stage 2: Two page proposals + pitch videos assessed by internal expert panel, leads to long list of 8.**
- Stage 3: 15 minute presentations + Q & A with external expert panel determines three finalists**
- Stage 4: Full business cases developed, with public pitch showcase for the three finalists**
- Stage 5: Winner announced**



# ***Your Health in Your Hands: Personalised Medical Technologies***

- **Revolutionise personalised medicine through wearable sensor technologies combined with genome sequencing**
- **Enable patients to manage their disease through personalised treatment programs**
- **Two global health priorities – diabetes and multiple sclerosis**
- **Future applications to other critical diseases, including asthma and cancer.**
- [https://www.youtube.com/watch?time\\_continue=12&v=lqAfOVO8aqw](https://www.youtube.com/watch?time_continue=12&v=lqAfOVO8aqw)



# Challenges for Grand Challenges

- **Many great teams: One winner**
- **Avoiding the hype cycle**
- **Long term commitments vs annual budgets**
- **Integrating with BAU of the University**
- **Interdisciplinary + cross-institutional = complexity**
- **Reversion to the siloed norm**

