
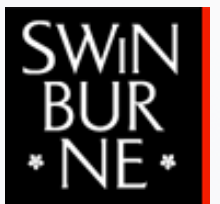
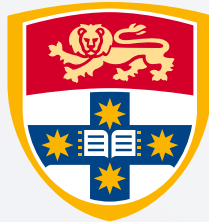


ARC CENTRE OF EXCELLENCE FOR
DARK
MATTER
PARTICLE PHYSICS



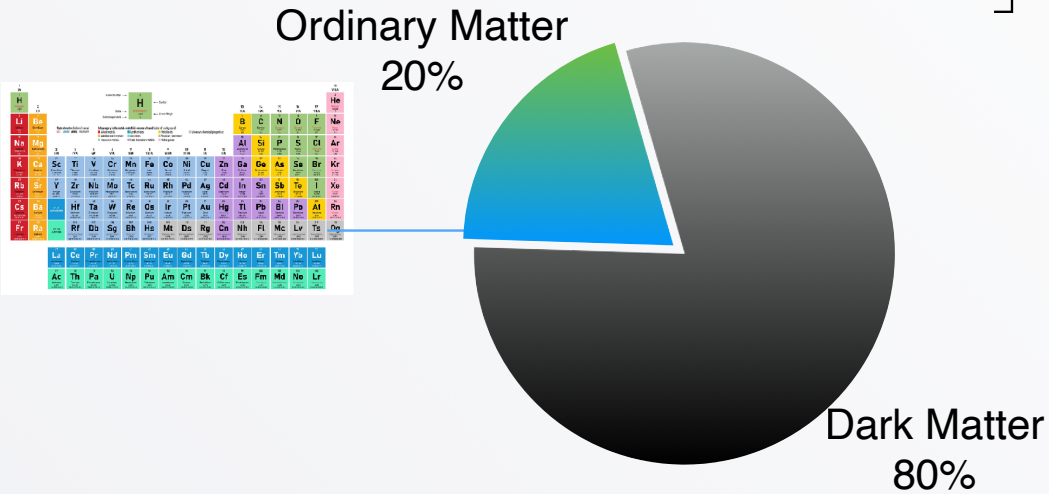
Australian Government



The University of Melbourne | The University of Adelaide | The University of Sydney | The University of Western Australia | The Australian National University | Swinburne University

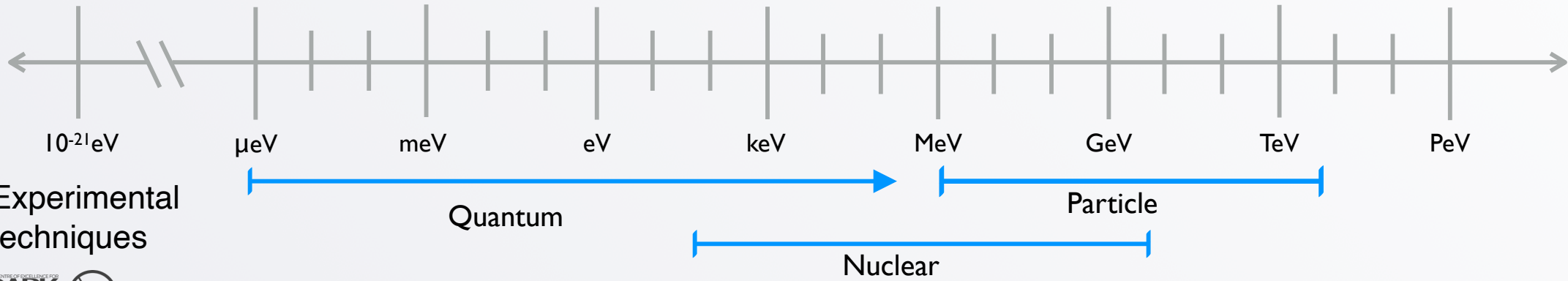
We acknowledge the Traditional Owners of the lands and waterways we stand and acknowledge their histories of continuous connection dating back more than 60,000 years. We also pay our respect to their Elders and families and respectfully acknowledge Indigenous people attending this talk.

THE PROBLEM AND THE CHALLENGE



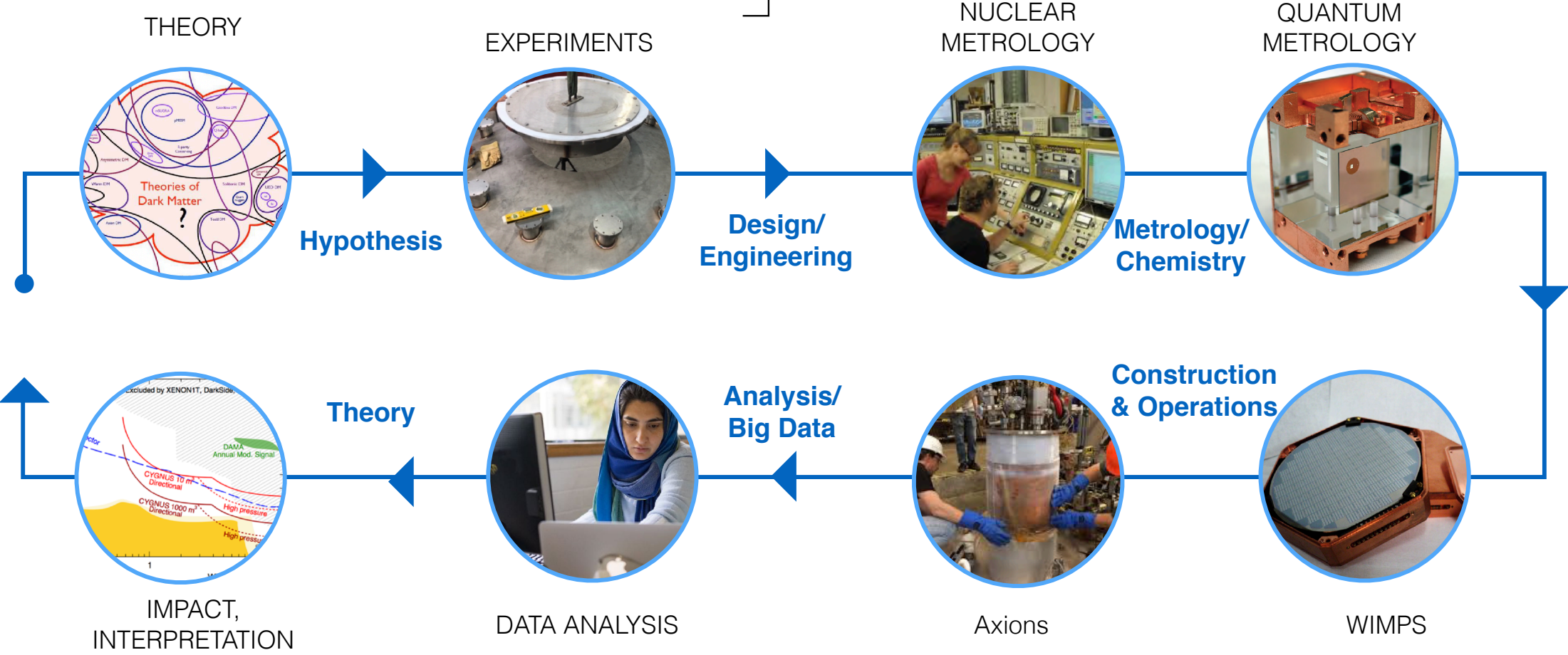
Dark matter is **inferred only** by its **gravitational** interaction

Composition: **UNKNOWN**

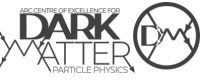


COLLABORATIVE RESEARCH

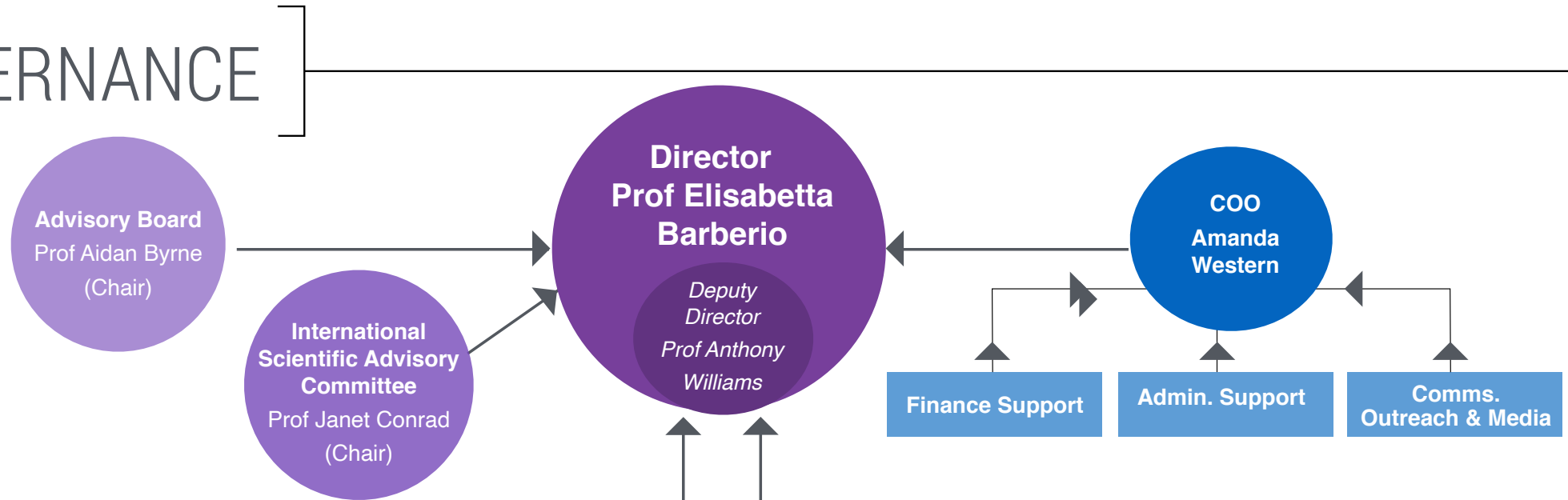
SABRE, ORGAN, ADMX
CYGNUS, CRYOGENIC, and others



Large and/or complex direct detection experiments that we are fully responsible for, to bring to completion



GOVERNANCE



Research Program Committee



Direct Detection

WIMP leader: Prof Greg Lane
WISP leader: Prof Michael Tobar



Theory

Leader: Prof Nicole Bell



Large Hadron Collider

Leader: Prof Geoffrey Taylor

Postdoc & sPhD student



Advanced Metrology

Leader: A/Prof S. Tims A

Centre Portfolios



Mentoring and Careers

Leader: Prof Anthony Thomas



Outreach and Media

Leader: Prof Alan Duffy



Equity and Diversity

Leader: Prof Cedric Simenel



Translating Research Outcomes

Leader: Prof Jeremy Mould

Executive: Elisabetta Barberio, Anthony Williams, Nicole Bell, Celine Boehm, Alan Duffy, Andrew Stuchbery, Michael Tobar, postdoc

STRATEGIC PLAN TIME LINE

- Research strategic plans:
 - themes plan by early December for circulation to all centre members
 - Integration and alignment of them with each other by end of January
- Portfolios strategic plan
 - Outreach and Media: almost completed
 - Other portfolios: early December for circulation

OTHER IMPORTANT DATES

- 2 days ECR workshop (all centre reproachers invited) end of January:
 - ECR presenting their research (1.5 days)
 - ECR discussion on centre committees participation (0.5 days)
- Special Initiative:
 - Two stages: EOI and final round.
 - Process and selection criteria by the end of the year
- Calls for topical workshops in February (tbd)
- Annual report 31 March 2021

COLLABORATIVE MINDSET

Collaboration across nodes on science, and participation in Centre-wide activities

- Annual workshop & ECR meeting/school
- Focused research workshops
- Portfolios activities
- Regular research project team meetings with milestones
- Participation and contribution to centre wide initiatives: outreach & communication, diversity, etc

ACTIVE PARTICIPATION!