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# EARLY CAREER RESEARCHERS UPDATE

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CDMPP WORKSHOP 2021



# UPDATES

ECR events quite hard to organise in 2020-2021

ECR workshop in Feb 2021:

- speakers across themes and nodes
- No workshops on skills etc.

ECRs involved in range of centre activities including outreach

Mentoring program has had a slow start

# DARK MATTER LECTURE SERIES

Lecture series organised by ECRs (especially Ciaran and Jayden) as introduction into dark matter. Slides and recordings are available on confluence.

Introduction to direct detection event rates	Ciaran O'Hare
Nuclear aspects of direct detection (part 1 & 2)	Jayden Newstead
Astrophysical aspects of direct detection	Ciaran O'Hare
Particle detectors for dark matter	Lindsey Bignell
Dark matter electron scattering	Peter Cox
The strong CP problem	Zachary Picker
Neutrino backgrounds for dark matter searches	Ciaran O'Hare
Searches for axions	Ciaran O'Hare
Computing direct detection event rates with effective field theories	Jayden Newstead

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Finished for the year but planning a return for next year.

Hopefully with some experimental talks to match the great theory intros.

If you are interested join the discussion on slack

# JOIN THE ECR SLACK CHANNEL

There is an ECR slack channel

Please ask around if you want to join there should be someone at your node who can add you

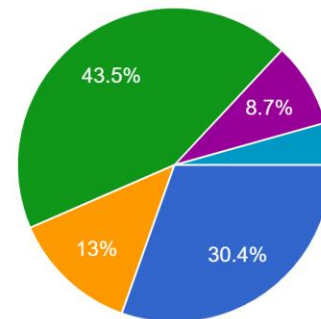
# ECR CENSUS

Attempted a survey of ECRs to determine range of information on ECRs, their plans and what they want from the centre.

Response was not even across the institutions

What is your primary institution?

23 responses



- Australian National University
- Swinburne University
- University of Adelaide
- University of Melbourne
- University of Sydney
- University of Western Australia

## FUTURE PLANS


Hopefully we will be able to meet in person next year.  
In response to ECR feedback any workshop should also include sessions on professional development/soft skills

**Tell us what you want**

# FUTURE PLANS

## Ideas suggested by ECRs:

- Media training
- Writing workshop
- Science communication
- Resume writing
- Networking with international partners  
(esp. for people on or soon to be on the job market)
- Professional skills



**Good suggestions  
but base off a few  
responses**



## TELL US WHAT YOU THINK.

Please fill out this short survey,  
the link will also be on the ECR slack and on the workshop page

<https://forms.gle/fzW7H84RtEfCZlh77>

Or email me: **[bill.melbourne@unimelb.edu.au](mailto:bill.melbourne@unimelb.edu.au)**