

# NEXGENNA

## Review Meeting Agenda



# UNIVERSITY OF CAMBRIDGE



THE FARADAY  
INSTITUTION

NEXGENNA

NEXT GENERATION SODIUM-ION BATTERIES

**Monday 21<sup>st</sup> March**

**11.00 – 17.00**

**Tuesday 22<sup>nd</sup> March**

**09.00 – 15.00**

**Gonville & Caius College,**

Cambridge, CB2 1TA

**Venue Information**

<https://www.cai.cam.ac.uk/conferences/location>

Please be aware that the accommodation in the Stephen Hawking Building, Harvey Court, is a 10-minute walk from the main venue at Gonville & Caius College, Old Courts.

On arrival please check-in at the Porters Lodge, Harvey Court on West Road adjacent to the Stephen Hawking Building.

Check-in is from 14.00, check-out by 10.00.

Site maps are available here: [https://www.nexgenna.org/?page\\_id=1653](https://www.nexgenna.org/?page_id=1653)

## **COVID Mitigation**

**In-person attendees should have had both vaccinations **AND** have completed a negative lateral flow test no more than 24 hours ahead of arrival.**

You can obtain Lateral Flow tests free of charge from pharmacies or order them from:

<https://www.gov.uk/order-coronavirus-rapid-lateral-flow-tests>

You should wear a mask while moving through Gonville & Caius College.

**Day One**  
**PI Project Meeting**  
**Senior Parlour**

- 15.30 **PI Arrivals**
- 16.00 PI Project Meeting
1. What next? Preparation for the Expert Panel
  2. ACP School - NTR
  3. A.o.B.
  4. Next Meeting

- 19.00 **Dinner - Fellow's Dining Room**

**PDRA and PhD Day**  
**Bateman Auditorium**

- 10.30 **Arrival**
- 11.00 Flash talks on current work and challenges.
- 12.30 **Lunch - The Long Room**
- 13.30 Continuation of flash talks/discussion
- 14.30 **Coffee Break**
- 15.00 External presentation – Robert (RSC) “*Career advice and development for early career researchers*”
- 16.30 Social Activity – Punting! (The Mill Lane station)
- 19.00 **Dinner – Fellow's Dining Room**

# Day Two – Review Meeting

## Bateman Auditorium

- 08.30 Coffee
- 08.45 **Welcome**  
**Prof Dominic Wright**
- Session 1 – Chair: Prof Dominic Wright**
- 09.00 Prof Robert Weatherup – Oxford University  
*Observing reactions at Electrode-Electrolyte Interfaces: Before, During, and After*
- 09.30 Dr Avishek Dey – UCL  
*Characterizing electrode/electrolyte interfaces using X-ray photoelectron spectroscopy.*
- 09.50 Dr Svetlana Menkin – Cambridge University  
*Alternative sodium-ion electrolytes: interface stability and reversibility of sodium cells*
- 10.10 **Refreshment Break**
- Session 2 – Chair: Dr Darren Ould**
- 11.00 Jack Fitzpatrick – Lancaster University  
*Development of scanning electrochemical microscopy to study the dissolution of the solid electrolyte interphase at NIB anodes*
- 11.20 Dr Yong-Seok Choi – UCL  
*Maricite  $\text{NaFeVO}_4$  and its potential as a new Na-ion cathodes: a DFT study*
- 11.40 Dr Rhiannon Kennard – Sheffield University  
*Low-Temperature Processing of  $\text{Na}_2\text{Fe}_2\text{F}_7$  Cathode*

12.00            **Lunch and Networking – Main Hall**

**Session 3 – Chair: Prof Clare Grey**

13.00            Prof Magda Titirici– Imperial College London  
*Towards high-capacity anodes and interfaces in Na-ion batteries*

13.30            Dr Sara Costa – Lancaster University  
*Characterisation of the electrochemical behaviour of  $\text{Na}_2\text{Ti}_3\text{O}_7$  by electrochemical impedance spectroscopy*

13.50            Dr Pooja Kumari – Sheffield University  
*Sodium Titanates as Negative Electrode for Na-ion Batteries*

14.10            **Tea and Coffee**

14.30            **Close**