

NEXGENNA

Review Meeting

Agenda



Monday 20th September

11.00 – 17.00

Tuesday 21st September

09.00 – 15.00

Halifax Hall,

Endcliffe Vale Road, Sheffield, S10 3ER

Venue Information

<https://www.halifaxhall.co.uk/>
<https://www.jonashotel.co.uk/hotel/>

COVID Mitigation

In-person attendees should have had both vaccinations **AND** complete 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 Halifax Hall.

Day One

PI Project Meeting

- 15.30 **PI Arrivals**
- 16.00 PI Project Meeting
1. Project Status
 - a. Timing Plan - any recommendation for revisions in direction
 - b. Materials Status and Downselection
 - c. Scale-up and commercialisation
 - d. Opportunities for collaboration
 - e. FI reporting
 - f. Finances
 - g. Benchmarking
 2. A.o.B.
 3. Next Meeting
- 19.00 **Dinner**

PDRA Day

- 10.30 **Arrival**
- 11.00 **Welcome**
- 11.05 Flash presentations 2 slides each
- 12.00 **Lunch with informal poster session**
- 14.00 Group activity with fun collaboration ideas for Dragon's den
- 15.00 **Coffee Break**
- 15.15 Dragon presentations
- 16.00 Break for check-in
- 17.00 Activity or Bar
- 19.00 **Dinner**

Day Two – Review Meeting

- 08.30 Coffee
- 08.45 **Welcome**
Dr Nik Reeves McLaren
- Session 1 – Chair: Dr Nik Reeves McLaren**
- 09.00 Dr Robert House – Oxford
Na-ion cathodes: from order to disorder
- 09.30 Dr Peter Gross – Sheffield
Materials for Rock-Solid Battery Solutions
- 09.50 Dr Abinav Tripathi – St Andrews
Sn based negatives for Na-ion batteries
- 10.10 Dr Jung-In Lee – Cambridge
2D Transition metal dichalcogenides for the next-generation rechargeable battery
- 10.30 **Refreshment Break**
- Session 2 – Chair: Dr Eddie Cussen**
- 11.00 Dr Siân Dutton – Cambridge
Ionic liquid@ MOF framework composites – the influence of mesoporosity
- 11.30 Dr Aamod Desai – St Andrews
Rapid and Efficient Synthesis of Organic Anodes
- 11.50 Dr Valerie Seymour – Lancaster
Insights into structure and mechanisms of organic anode materials by solid-state NMR
- 12.10 **Lunch and Networking**

Session 3 – Chair: Dr Rebecca Boston

- 13.10 Professor Dominic Wright – Cambridge
New Electrolytes for Sodium-Ion Batteries
- 13.40 Dr Shuchi Vaishnav – Sheffield
Investigation of sodium iron phosphate glasses as positive electrodes in SIBs
- 14.00 Dr Begoña Silvan - Lancaster
Improving the electrochemical activity of $\text{Na}_2\text{Mn}_3\text{O}_7$ by TM substitution
- 14.20 **Close**