Postgraduate Symposium 2020

Sydney University Chemistry Society

Event Detail

Date: 25th of November
Zoom ID: 815 1255 0181 OR Click Here
Password: 25112020

Guideline for presentation:

- Each slot is 15 minutes in total, and the recommended length of talk is 12 minutes.
- Host will verbally signal the speaker at the 10th and 12th minute.
- The speaker will be asked to stop at the 14th minute to ensure at least 1 question from the audience can be asked.

Prizes

- Overall best oral presentation: nominated by ECR attendees
- Runner-up oral presentation: nominated by ECR attendees
- People's choice award: Every attendee at the end of each session will be asked to vote for their favourite talk during that session. *Bring your group!*
- All prize recipients must be a SUCS member for 2020 to receive their prizes.

Zoom: Best Practice for Participants

Setup your equipment:

1. Download the Zoom desktop application here.
2. Decide whether you will use 1 or 2 monitors (2 monitors will allow you to refer to notes in a slide when presenting, instructions are provided here).
3. Get a headset and microphone if possible.
4. Close all unused apps.
5. Test audio and video (contact the host for your session).
6. Review how to share your screen here.

Help audiences to keep focus:

1. Mute microphone when not speaking or interacting.
2. Avoid noisy activities (e.g. typing, drinking) while microphone is on.
3. Ensure you have joined early to test audio and video with the host.
4. Make sure your camera is on a steady surface.
5. When asking question, please use the *raise hand* function under the participant window and a host will ask you to unmute. Otherwise, feel free to use the chat at any time.

Program

Chair	Time	Speaker	Title
Genevieve Sergeant	09:30-09:45	Bryce Mullens	Unexpected structural properties in 4*d* and 5*d* metal oxides
	09:45-10:00	Lachlan Adamson	Pore structure controls stability and molecular flux of engineered protein cages
	10:00-10:15	Joy Ghrayche	Fluorescent methods to study peptides and proteins in vitro
	10:15-10:30	Reginald Young	Targeting the DBHS family of proteins to treat telomerase-active cancers
	10:30-10:45	Jianping Zhu	Studies of cellular lead uptake using a rhodamine-based fluorescent probe
Break			
Bryce Mullens	11:00-11:15	Eleanor Kearns	Investigating the structure-activity relationship in an isoreticular series of TTF based metal-organic frameworks.
	11:15-11:30	Zixi Xie	Investigation of Spin Crossover Behaviours via Encapsulation of Xylene Isomers
	11:30-11:45	Jyah Strachan	Nano-chevrel phase electrocatalysts for hydrogen evolution
	11:45-12:00	Xiaochen Fu	Triazine-based 2D hydrogen bonded framework for non-enzymatic electrochemical glucose sensing
	12:00-12:15	Harrison Moore	Developing conductive and redox-active ruthenium metalloligands for the synthesis of 2- and 3- dimensional porous materials
Lunch			
Shurui Miao	13:00-13:30	Prof. Louise Sharpe	COVID-19 Responses: current and post-pandemic HDRs
	13:30-13:45	Karen Hakobyan	Controlled polymer photosynthesis
	13:45-14:00	Mutian Cui	Synthesis of Altenusin analogues as tau aggregation inhibitors
	14:00-14:15	Jason Johansen-Leete	RaPID discovery of novel therapeutics for COVID-19
	14:15-14:30	Alicia Cheng	Polymerisation-induced self-assembly (PISA) as a template system for TiO2 nanostructures
	14:30-14:45	James Lloyd	Development of selective p38 gamma activators for the treatment of Alzheimer's disease
Break			
Alison Campbell	15:00-15:15	Diaz	Effects of metal ions on the conformational equilibria of the Na^+/K^+- and H^+/K^+- ATPases
	15:15-15:30	Amy Bowyer	Fluorescent sensing arrays for metal ions and how we can simplify them
	15:30-15:45	Alex Brown	Stabilisation of an unusual "γ-phase": Selective site doping, crystal structures and hydration of the γ-$Ba_4V_xTa_{2-x}O_9$ and γ- $Ba_4V_xNb_{2-x}O_9$ (x = 0-2/3) solid solutions
	15:45-16:00	Chris Vega	Drag reduction and boundary slip at silicone oil-water interfaces
	16:00-16:15	Paris Jeffcoat	Regulation in the face of uncertainty: how nanoparticles in the food chain challenge the status quo of risk assessment, risk management and regulatory frameworks
	16:15-16:30	Closing and Awards	