



OLLSCOIL NA GAILLIMHÉ
UNIVERSITY OF GALWAY

Threesis Grand Finale 2024

3 Minutes
3 Slides
3 Judges

25 June 2024
O'Donoghue Theatre, University of Galway

With guest judges:
John Crumlish, Galway International Arts Festival;
Sinéad Beacom, Researcher Development
Centre, University of Galway; and Threesis 2022
Winner Victoria Ward
and MC:
Dr Jessamyn Fairfield, University of Galway

Brought to you by:
University of Galway's Office of the Vice-
President for Research & Innovation including
the Research Office, Graduate Studies Office
and the Researcher Development Centre.
And many others - see back page.





1. Rebecca Lane: Unravelling the Gut Pain Alarm System

Galway native Rebecca is a PhD student in the Discipline of Pharmacology & Therapeutics in the School of Medicine, and affiliated with the Centre for Pain Research and Galway Neuroscience Centre. Supported by a Hardiman Research Scholarship, her research explores the relationships between abdominal pain, mood, cannabis-like chemicals (endocannabinoids) and gut microbes in people with irritable bowel syndrome and inflammatory bowel disease.



2. Fatemeh Zamani: Saffron Agritourism, a unique potential for women's empowerment

Persian PhD student Fatemeh's research focuses on analysing and interpreting the prevailing experiences of women who are central participants in saffron farming. Her research also explores socio-economic empowering possibilities that agritourism might provide for women as an innovative farm diversification dimension to saffron farming. Based in the University's School of Geography, her research is supported by a Hardiman Research Scholarship.



3. Mohamed EL-Meley: Green Bio-inspired Disease Model

As part of the lifETIME programme, Mohamed is undertaking his research at the College of Science and Engineering and is affiliated with CÚRAM Science Foundation Ireland Research Centre for Medical Devices. His research aims to develop in vitro glycosylated models based on natural biomaterials for disease modelling. Originally from Egypt, his work is supported by the Science Foundation Ireland.



4. Júlia Machado: Islands as solar-hydrogen laboratories

Brazilian-born Júlia is a Marie Skłodowska Curie fellow at the Solar2Chem Project developing her PhD at the School of Political Science and Sociology. Through the lenses of transformative innovation and socio-technical transitions, her research on the barriers and opportunities for hydrogen innovation focuses on the European landscape for solar-hydrogen and on the stakeholders involved in developing the industry.



5. Ankita Pramanick: Shaping the heart

Originally from India, Ankita is undertaking a PhD in Biomedical Engineering within CÚRAM - Science Foundation Ireland Research Centre for Medical Devices and is part of the Biofabrication Lab. Her research is focused on bioprinting morphing heart tissue with enhanced structural and functional maturity. Her project is supported by the Irish Research Council Postgraduate Scholarship and the European Research Council.



6. Anastasija Walsh: Extracellular Vesicles: Tiny but Mighty Messengers Suppressing Anti-Tumour Immunity

Dublin-based Ana is pursuing her PhD in Medicine with the department of Clinical Pharmacology, associated with the Lambe Institute for Translational Research. Her research is on extracellular vesicles, tiny particles produced by all types of cells which carry molecular cargo that reflect the health and state of the cell, helping cells communicate and influence each other. Ana studies this in the context of cancer and the research is funded by the Irish Cancer Society.



7. Mian Ibad Ali Shah: Dairy Grid: Revolutionizing Farm Energy Through Peer-to-Peer Trading

Hailing from Pakistan, Mian is pursuing a PhD in Computer Science. Passionate about tech and sustainability, he is working to revolutionize agriculture with AI and peer-to-peer energy trading. By helping farmers optimize energy usage and trade surplus energy, we're addressing productivity and climate change. Mian's research is supported by Science Foundation Ireland.



8. Clare Robinson: The Frightening Physical Body in Contemporary Horror

Originally from Canada, Clare is currently completing her PhD in English within the School of English, Media, and Creative Arts. Her research examines the representation of the material body in contemporary horror media and its relationship to current politics and society.



9. Pooja: Green Gold: Valorising every blade of grass

Originally from India, Pooja is a PhD Candidate is a part of "VOF Group" within the School of Biological and Chemical Sciences. Funded by the Department of Agriculture, Food and the Marine under the U-Protein project, her work focuses on valorisation of residual crop biomass and post-protein extraction into value-added products (volatile fatty acids and biogas).



10. Imad Ali Shah: Safer Roads with Enhanced Cameras to See Beyond What Meets the Eye

A member of the university's Connaught Automotive Research Group, Imad's research focuses on leveraging the visible and invisible electromagnetic spectrum to enhance cameras for Advanced Driver-Assistance Systems (ADAS). Imad aims to develop an ADAS that effectively detects potential hazards, ultimately contributing to safer roads and improved driver safety. His work is supported by Lero, the Science Foundation Ireland Research Centre, and Valeo.



11. Sofiia Tretiak: Seaweed Super Solution: Using Ocean Power for Human and Planet Health

A PhD candidate in the School of Natural Sciences at the Ryan Institute, Sofiia's research explores novel techniques to extract commercially valuable seaweed compounds useful for food, agriculture, medical and pharmaceutical industries. The innovative eco-friendly approach of seaweed-derived products can improve sustainability and human health. Her research has been funded by the European Union's Horizon 2020 Programme, Cybercolloids Ltd and the Irish Research Council.



12. Louise McCormack: Scoring AI for Ethical Trustworthiness

Louise is undertaking a PhD in Computer Science with a focus on trustworthy AI with a focus on data value, scoring and governance. Bridging academia with 10+ years of industry experience in digital innovation and optimisation, her research is shaping a future where AI is both powerful and ethical. Her work is supported ADAPT, the Science Foundation Ireland Centre for AI-Driven Digital Content Technology.

It takes a village..

Threesis is a research communications training programme and competition for postgraduate research students at University of Galway.

This year, we trained 80 students and held a series of six heats - each in front of three judges, with three slides and in three minutes. Tonight, some of the very best from those heats are on stage, sharing the story of their research.

I would like to thank all of our finalists, heat participants, contestants, judges, mentors, trainers and supporters who supported over the past months.

Ruth Hynes, Threesis Programme Director,
Office of the Vice-President for Research & Innovation

Grand Finale - thank you

Participants: Our 12 finalists.

Judges: John Crumlish, Galway International Arts Festival, Sinéad Beacom, University of Galway and Victoria Ward, Threesis 2022 winner..

MC: Dr Jessamyn Fairfield, University of Galway
Intro:

Prize-giving: Aengus Parsons, Director of Research, University of Galway.

Venue: Mike O'Halloran and the O'Donoghue Theatre, and Buildings & Estates

Logistics, design and marketing: Priscilla Chipao

Slidedeck: Karl Faherty

Additional support: Sinéad Beacom, Sarah Porcenaluk, and Muzhaffar Hazman

Audiovisual: Cormac Staunton and the Staunton Media crew

Photography: Aengus McMahon

Printing and trophies: Snap Printing and Galway Trophy Company

Press: Sheila Gorham

Social Media: Priscilla Chipao

A very special thank you to everyone in tonight's audience!

3 training sessions - thank you

Trainees: Our 80 postgraduate research students who participated in training sessions.

Trainers: CÚRAM's Claire Riordan and Lindsay Deely, with Ruth Hynes

Facilitation and Venue: Sinéad Beacom and Marina Ansaldo, Researcher Development Centre.

6 heats - thank you

Participants: Our 40 postgraduate research students who shared the story of their research.

Judges: Sinéad Beacom, Dr Ruth Dooley, Gem Mathieu, Sarah Gundy, Éinne Curran, Aisling Hanrahan, Dr Oonagh Meade, Professor Dónal Leech, Dr Joanne O'Dwyer, Dr. Davood Roshan and Marina Ansaldo.

MC: Ruth Hynes

Facilitation and Venue: Sinéad Beacom, Marina Ansaldo, and the Researcher Development Centre.

Slides, timekeeping and feedback: Karl Faherty

Special thanks: Audiences x 6

Finalists bootcamp - thank you

Mentors: Gem Mathieu, Éinne Curran, Aisling Hanrahan, Dr Jared Gerlach, Sarah Gundy, Dr Joanne O'Dwyer, Dr Marina Ansaldo, Dr Davood Roshan, Jake Dykes, Adrian Larkin, Tony Flaherty and Pamela Devins.

Co-ordination: Priscilla Chipao

Coaching: Ann Blake

Venue: Mike O'Halloran and the O'Donoghue Theatre