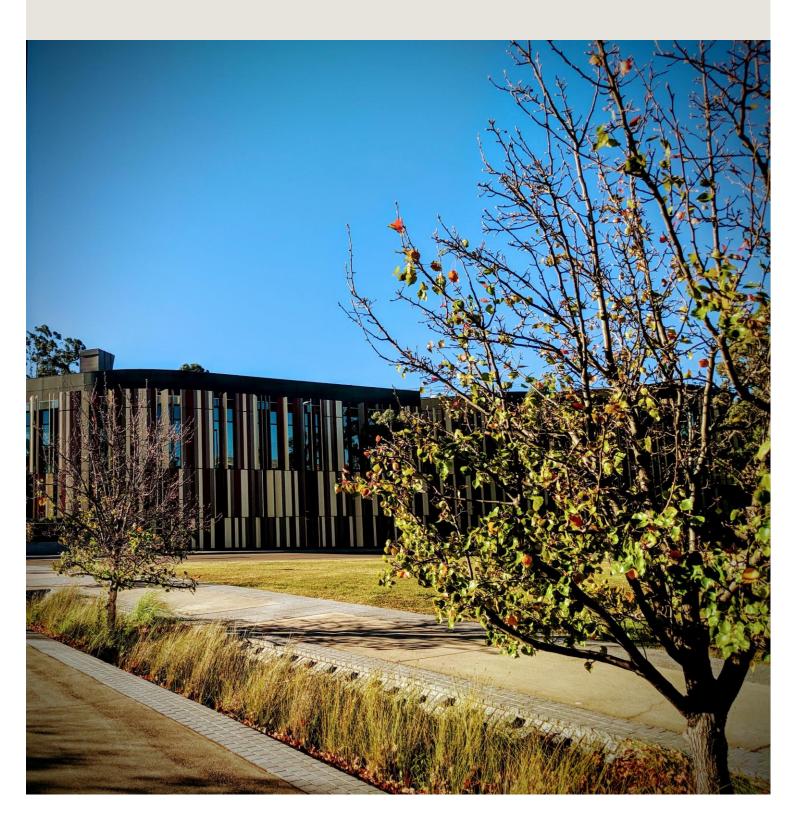


SRC END-OF-YEAR REPORT (January – November) 2024



Disclaimer: The interim report is provided as a draft report containing activities and expenditure of the SRC up to the month of November.

Whilst every effort has been made to ensure the accuracy and consistency of information provided, this report may be subject to minor errors. Any errors should be noted to the SRC (<u>SRC@mq.edu.au</u>) so they may be reviewed, and where relevant, rectified.

SUPPORTING STUDENT EXPERIENCE

END OF SESSION ACTIVATIONS

In 2024, the SRC endorsed activations proposed by Student Engagement, Inclusion, and Belonging funding the provision of de-stress activities during the Session 1 examination period. De-stress activities provided by the SRC included on-campus activations sourced from external sponsors offering energy drinks, academic literacy workshops, student group events and therapy dogs. The SRC also provided 500 examination stationary packs consisting of pens, paper, snacks, and words of encouragement.

In funding these initiatives, the SRC has supported student engagement in developing critical learning skills, fostered the development of peer networks and provided relaxing spaces to students mitigating the stress of the exam periods with 5535 students attending throughout the year.

CELEBRATING SUCCESS

To celebrate the academic excellence of high achieving students, the SRC sponsored activations and gifts for Macquarie University students who achieved a Weighted Average Mark (WAM) of 85 or higher in their Session 2, 2024 results. These high-achieving students received a gift consisting of a seed packet with native seeds and a terracotta pot, which they could decorate at a dedicated station when collecting their gift. For students studying externally, seeds were mailed alongside a personalised congratulations note from the SRC, ensuring that all recipients felt recognised and celebrated for their outstanding achievements. This activation promoted sustainability and aligned with the 'grow your success' motto that was utilised throughout 2024 with 1542 students participating.

SUPPORTING NEURODIVERSE STUDENTS

The SRC proudly sponsored the provision of fidget cubes to support neurodiverse students at Macquarie University. These sensory tools offer a discreet and effective way to help students manage anxiety, improve focus, and regulate sensory input in academic and social settings. Fidget cubes provide various tactile features, such as buttons, switches, and spinners, which can aid concentration and alleviate restlessness, particularly in environments that may otherwise feel overwhelming. This initiative reflects the SRC's commitment to fostering an inclusive and supportive campus environment, ensuring all students have access to resources that enhance their learning experience and overall well-being.

SRC BRANDING AND REDESIGN

The SRC collaborated with the Group Marketing team to reimagine its branding for the future. The goal was to develop meaningful colours and recognisable branding that students could easily associate with the SRC. This refreshed branding was then applied to marquees and banners, which were printed and utilised throughout the year to promote the SRC at flagship events such as Kickstart and Open Day.

SSAF CONSULTATION

The Student Representative Committee (SRC) was consulted regarding the adjustment to the Student Services and Amenities Fee (SSAF) allocation for 2024 as part of our commitment to student engagement in decisionmaking. The proposed changes were discussed with the SRC to ensure that student leaders had the opportunity to provide feedback and represent the interests of the broader student body. Their input was considered alongside other stakeholder perspectives to ensure that SSAF funding continues to support services and initiatives that enhance the student experience at Macquarie University.

SRC Membership

Eligibility for SRC membership is set out in the SRC Terms of Reference. 2024 saw a number of changes in the SRC membership for reasons that included the graduation of students, resignations, and changes to eligibility. Listed here were the representatives of the SRC as at the end of Session 2, 2024. The current term of the SRC ends in November 2025.

UNDERGRADUATE STUDENT REPRESENTATIVE	STUDENT REPRESENTATIVE FOR WOMEN
FROM THE FACULTY OF ARTS	STUDENTS
Rizki Deni	Ria Prasad
UNDERGRADUATE STUDENT REPRESENTATIVE	STUDENT REPRESENTATIVE FOR LGBTQIA+
FROM THE MACQUARIE BUSINESS SCHOOL AND	STUDENTS
DEPUTY CHAIR	Annalise Pollard
Coco Chen	STUDENT REPRESENTATIVE FOR ABORIGINAL
UNDERGRADUATE STUDENT REPRESENTATIVE	AND TORRES STRAIT ISLANDER STUDENTS
FROM THE FACULTY OF MEDICINE, HEALTH AND HUMAN SCIENCES Aaron Douglass UNDERGRADUATE STUDENT REPRESENTATIVE FROM THE FACULTY OF SCIENCE AND ENGINEERING Kathy Htun	Georja Bennett STUDENT REPRESENTATIVE FOR STUDENTS WITH A DISABILITY Cameron Last STUDENT MEMBER OF THE UNIVERSITY COUNCIL
POSTGRADUATE STUDENT REPRESENTATIVE Rhys Collyer HIGHER DEGREE RESEARCH REPRESENTATIVE Hansani Galappaththige INTERNATIONAL STUDENT REPRESENTATIVE	Jongho (Pedro) Roh REPRESENTATIVE FOR UNIVERSITY SPORT Anna Smith

Hoang Diem Tho Bui

The SRC also has other non-student office bearers and staff supporting the work of the SRC in addition to the support from Student Engagement Inclusion and Belonging:

CHAIRPERSON Ria Prasad SRC SECRETARIAT SRC SECRETARY Kamil Zielinski Melinda Chadwick

End of Year Financial Report

The SRC has an operational budget to support a range of programs and activities including many of the programs covered in this End-of-Year report.

	SRC Expenditure Report	
2024		
Annual B	Pudget for Grants	\$200,000.00
Annual B	Pudget for Administrative Related Costs	\$6000.00
Total Bu	ıdget	\$206,000.00
Total Ex	penses for 2024 (excluding grants)	
Mar	SRC Meeting catering	-\$60.00
	Purchase of promotional materials	-\$255.75
Sep	SRC Meeting catering	-\$32.00
Nov	Items for 2025 international welcome bags Lipton Quality Black Tea Bags	-\$77.79
	Items for 2025 international welcome bags Lotus Biscoff Individual Biscuits	-\$180.00
	Items for international welcome bags Moccona Classic Coffee	-\$117.87
	SRC meeting catering	-\$114.74
	SRC Meeting & Supplies for new location	-\$60.16
Dec	SRC funded De-Stress Activation supplies	-\$90.82
	SRC branded Seed Sticks for 2025 celebrating success promotions	-\$8,340.00
	SRC branded fidget cubes for 2025 giveaways and promotions	-\$10,620.00
	SRC Meeting Rosemary Miklecic CULT HOSPITALITY PTY LTD*	-\$2,742.95
	SRC meeting Catering	-\$59.09
	SRC branded marquee for activations in 2025	-\$3,583.59
	TOTAL P&L	-\$26,334.76

*Item allocated to incorrect budget, with journal transfer credit being completed in February 2025

Appendix A: List of Society and Student Grants

SUMMARY OF SOCIETY GRANTS

ITEM	Cost
Grant for Vanessa Penna Goncalves to attend Symposium on Sociality in Spiders	\$3,821
Grant for Hannah Robin Vogel as Delegate at the 3rd Global Peace Summit by Humanitarian Affairs Asia	\$2,000
Grant for Anushka Ravalji on behalf of Women Entering Business for International Women's Day Breakfast	\$2,000
Grant for Nikkita Singh for distribution of birthing kits to impoverished communities	\$1,800
Grant for Jess Sewell to represent Debating Society at Australasian Debating Championships	\$7,500
Grant for Haydyn Ryland-Adair for Med Ball Event	\$2,000
Grant for H. S. S. D. Galappaththige to attend International Society for Behavioral Ecology (ISBE) 2024 Congress Melbourne	\$590
Grant for Fabiha Farzana for Cellular and Molecular Mechanisms of Brain Aging conference	\$1,500
Grant for Chamath Jagoda for Neurosurgical Society of Australasia (NSA) conference	\$750

Grant for Georgia Muriti for SXSW Sydney Conference Ticket	\$667.95
Grant for Fraser Gray to attend Philosophy Conference	\$2,000
Grant for Mhairi Hammond for Sydney Symphony Orchestra trip	\$3,300.00
Grant for Fraser Gray to attend Philosophy Conference	\$750.00
Grant for Bulathsinhalage Sashini Dinushika Perera to attend Ecological Conference	\$1,476.00
Grant for Dissawe Mudiyanselage Darshika Madhujeewani Dissawa to attend Entomological Conference	\$1,843.00
Grant for The Anh Than to attend Entomological Conference	\$1,106.55
Grant for Md Tangigul Haque to attend Evolution Society Conference	\$1,652.00
Grant for H. S. S. D. Galappaththige to attend Evolution Society Conference	\$1,749.00
Grant for Yin Xun to attend Australian Entomological Society Conference	\$1,972.83
Grant for Pedro Roh for repairing Symphony Orchestra Equipment	\$989.00
Grant for Shatabdi Paul for Evolution Society Conference	\$1,500.00
Grant for Brooklyn Scurfield on behalf of Women Entering Business for Alumni Night	\$3,000.00
TOTAL	\$43.967.33

SUMMARY OF POSTGRADUATE GRANTS

GRANT RECIPIENT	Cost
Grant for Hannah Zhu to attend Viruses of Microbes Conference 2024	\$975
Grant for Chathuranga Dharmarathne to attend International Society for Behavioral Ecology (ISBE) Congress 2024	\$1,712.47
Grant for Shatabdi Paul to attend International Society for Behavioral Ecology (ISBE) Congress 2024	\$1,330
Grant for Arzak Abdeltawab Abdalbaseir Mohamed to attend Archaeometry Conference	\$770
Grant for Denuka Kankanamge to attend ANZAHPE Conference	\$750
Grant for Ellina Trofimova to attend Viruses of Microbes 2024 conference (VoM 2024)	\$750
Grant for Hannah Reeve to attend World Opthamology Conference	\$5,500
Grant for Kamal Marfatia to attend International Nanomedicine Conference	\$440
Grant for Marilia Fernandes Erickson to attend ISBE Conference	\$1,665
Grant for Soumalya Sarkar to attend The Federation of European Neuroscience Societies (FENS)	\$3,165
TOTAL	\$17,057.00

Student feedback from approved grants and bursaries

Students who received grants in 2024 were encouraged to provide information to the SRC regarding their experiences and the opportunities these grants provided to them. Their insights have helped assess the impact of the program and identify ways to improve future funding opportunities to expand the reach and impact of the grants provided.

The grants enabled students to attend conferences, conduct research, access professional development, and engage in other valuable experiences.

The following provides information directly from students who received a grant in 2024:

HANNAH XIAHAN ZHU

I attended the Viruses of Microbes 2024 Meeting (VoM24) with the support of the SRC grant. The conference

was held in Cairns from July 15th to 19th, 2024. This invaluable experience significantly enriched my PhD journey and provided key insights into the field of microbial viruses.

The conference grant primarily covered my accommodation expenses, allowing me to fully focus on the conference activities without financial concerns. This support enabled me to attend a wide range of keynote speeches, workshops, and poster sessions, covering diverse topics such as virus-host interactions, phage therapy, bacterial immunity, and synthetic biology. Through these activities, I gained insights into the latest advancements in microbial virus research, enhancing my understanding of the field.

A particular highlight was the opportunity to hear from world-leading experts like Professor Rotem Sorek, whose insights into bacterial antiphage defence systems were truly inspiring. The conference also facilitated networking with fellow researchers and experts, fostering collaborations and knowledge exchange.

In addition to attending talks, I presented a poster on my research findings. This experience allowed me to receive valuable feedback from peers and experts, which will undoubtedly enhance the quality and impact of my thesis.

Furthermore, I participated in a research communication workshop, equipping me with essential skills to effectively convey my research to diverse audiences.

Overall, the VoM24 conference was an exceptional learning and networking opportunity. The knowledge and connections gained will undoubtedly benefit my ongoing research and future career aspirations. I am sincerely grateful for the financial support provided by the SCR grant, which made this enriching experience possible. I am committed to sharing the insights and knowledge acquired with my colleagues, contributing to the broader research community.

JESSICA SEWELL (ON BEHALF OF THE DEBATING SOCIETY)

Being able to attend the 2024 iteration of the Australasian Debating Championships in Jakarta was an amazing experience for the one team and 3 judges that we sent. The competition saw us battle it out across 8 intense rounds missing out on the finals by only one win. We also had lots of success judging with one of our judges Leah Mercier being named best judge of the entire tournament. It was also a wonderful opportunity to watch a Macquarie Alumni win the tournament debating for the University of Sydney.

Being able to attend allowed those who went to create strong relationships within the Australasian debating circuit and helped create a stronger debating society as we are now able to highlight the success we had to new members and encourage them to come along in 2025. Moreover, we were able to learn several lessons in teamwork, effective communication and bouncing back from setbacks.

For three of the 6 participants who went it was their first time competing at an international tournament and simply wouldn't have been possible without the grant. The experience they had was one filled with lots of positive memories and encouragement in continuing their debating career. They were able to see how much of an impact debating has globally and how regardless of your knowledge there is always a topic that will speak to you. This was particularly evident for this year's team which did not have a law student like most other teams would. Instead, the team was composed of an education, ancient history and actuarial studies student, three degrees where the link to debating is a bit blurry. This allows the society to further push our motto that debating is for everyone and now have personal statements supporting this.

We are incredibly grateful to have received the grant which supported our participation in such a prestigious tournament on behalf of Macquarie University.

MARILIA FERNANDES ERICKSON

Dear SRC,

thank you so much for supporting my work thought-out my PhD. I am very grateful for the opportunities you have allowed upon me. here is a short summary:

Student Representative Committee End-of-Year Report 2024

I have received 3 SRC grants during my candidature to present in different conferences. They have all enable me to present my work and get very important feedback to continue with my studies as well as visit some beautiful places. My first time getting the grant I went to Canberra to the Australian Evolution Society conference. This was early on my PhD and I was very inspired by so much cool research done here, and I also presented my PhD plan on its early stages. Last year I summed up the PGRF and SRC Grant to attend 3 conferences in Europe which were all very important in shaping how I think about my study topic today. I went to the Biology of Butterflies conference, where I learned more about my study systems.

Then I went to the Symposium on diverse mechanisms of adaptation to natural toxins where I meet one of my collaborators. This was particularly helpful to understand the chemistry behind aposematism which was one of my weak points. Finally, I went to the Behaviour conference where I meet multiple important people on the field. Most recently, I went to Melbourne for the conference of the International Society of Society of Behavioural Ecology where I presented my results in an auditorium that fitted over 1000 people.

I have received many compliments on my work which is very encouraging at this point in the PhD and multiple suggestions on how to move forward with my unexpected results. The highlight for me was getting to meet John Endler, one of the most influential researchers in my field. I meet me him on the conference and in the afternoon, we were hunting for moths in the botanical gardens which was very unexpected and an excellent memory. I also got together with all the people I managed to meet last year on Behaviour, so it was amazing to see my research network solidifying all thanks to the opportunities that the SRC has provided.



VANESSA GONCALVES

The SRC grant has assisted me in attending international and national conferences. Without this support, I could not participate and present my findings to the arachnology community. The funding has also supported my participation as an invited speaker to one colloquium in Australia, where I have reached out to essential academics in my area. I'm grateful for the existence of SRC; it has made a really difference in my PhD journey at Macquarie University. I would also like to take this opportunity to thank all the people involved in responding to emails and providing the information required for the grant application throughout these years. Thank you very much

Here is a photo from the Conference I attended in Uruguay in 2023.



SOUMALYA SARKAR

Firstly, I would like to thank the Student Representative Committee for awarding me the Student Representative Committee Grant. The award partially helped me in my entire trip by helping me cover the accommodation costs at each venue and thus, I was able to attend my first international conference, visit two eminent laboratories, and present my PhD work at each place.

The report according to my itinerary is as follows:

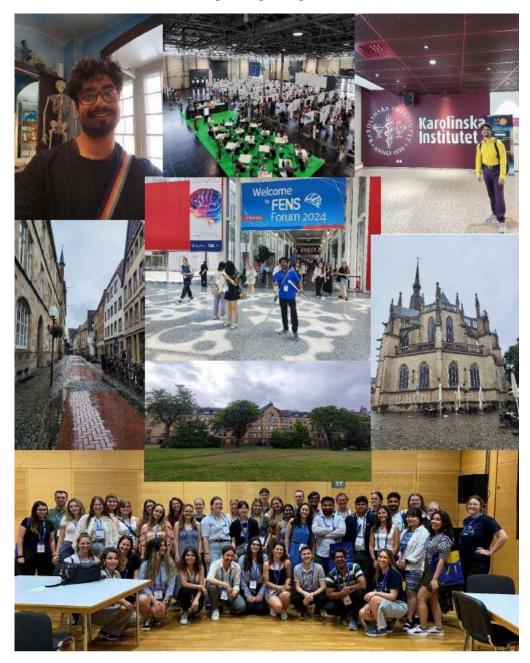
Dr. Amit Kumar's Laboratory, Karolinska Institutet, Stockholm, Sweden: During this lab visit, I got to see Karolinska Institutet, which is one of top medical research institute in the world. The lab. I visited does a lot of clinical work on tracing pathological proteins in human post-mortem brain tissues of Alsheimer's Disease by using radioactive isotope tracers. I was able to see and learn human post-mortem brain slicing in fully automated cryostat (tissue sectioning machine). Unfortunately, I couldn't see the radioactive experiments due to certain limitations, but I got the overview of the workflow and radioactive isotopes used in imaging the pathological proteins. Besides we had an interactive session where I gave a talk about my PhD project and got feedback. Also, I got to see the presentation from the group head about their work.

Federation of European Neuroscience Societies (FENS) Forum 2024, Vienna, Austria: This was my first international conference, and I thoroughly enjoyed every bit of it. It's the biggest neuroscience conference in Europe (over 5 days) with more than 7000 participants from 84 countries. There were nearly 1250 posters/day simultaneously with the talks. Most topics covered electrophysiology, behaviour, clinical research and computational neurobiology. Tauopathy related presentations were less, and I was very delighted to present my research related to tauopathy and tropomyosins, which gained a lot of attention. The international audience gave me a lot of feedback on my presentation, which is helping me to refine some of my research approaches. The talks from the pioneers in the neuroscience field were awesome and I got to learn a lot. It's also interesting that some of the techniques which we use for something are being used by others in a different way. All food, snacks and drinks were chargeable at the conference venue. Nonetheless, it was a great opportunity for networking and expanding research horizons.

Prof. Roland Brandt's Laboratory, Universität Osnabrück, Osnabrück, Germany: This was another esteemed neuroscience research group which I was able to visit. It was amazing

experience! I saw and learned how dorsal root ganglion neurons are extracted from mouse spinal cord and cultured in cell culture flasks, learned a new imaging technique - fluorescence decay after photoactivation. I also saw some neurons glowing with green fluorescence in mouse hippocampal slices. They have wonderful and extensive microscopy facilities. We had presentations from other PhD students in the department as well as me, followed by a brainstorming session!

Overall, it was a great learning experience for me. Besides the conversation with the global peers also helped me understand how neuroscience research is carried out in different countries. Moreover, the new connections build will also help us (in Macquarie University) to collaborate on different projects in the future which in turn will help us to gain higher altitude.



FABIHA FARZANA

Receiving the SRC grant has been an incredible experience—one that not only advanced my research but also helped me grow personally as a scientist. It opened doors I never imagined I'd have access to at this stage of my PhD.

The highlight of my trip was attending the Cellular and Molecular Mechanisms of Brain Aging 2024 conference in Niagara Falls, NY. Over five packed days, I presented my poster on motor neuron disease (MND), and although I was initially nervous, the feedback I received was so encouraging and constructive. Many attendees took the time to engage with my work, asking insightful questions and offering suggestions that have already influenced how I plan to refine my research. Besides the academic side, I built some amazing connections with researchers in the field, which felt incredibly motivating.

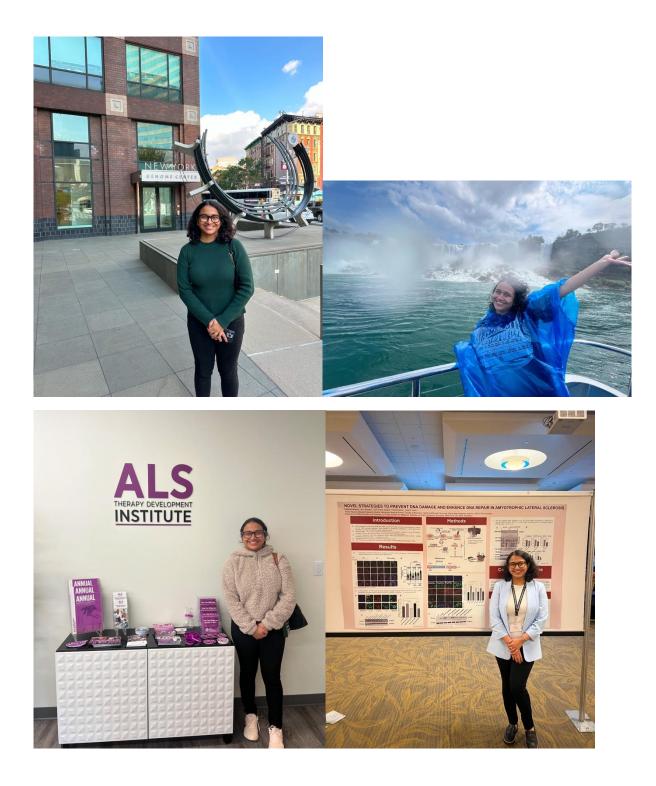
After the conference, I went to Boston to visit the ALS Therapeutics Development Institute (ALS TDI). It was exciting to see how much overlap there was between their research on ALS and the work we're doing at our Motor Neuron Disease Research Centre. Seeing firsthand how they've fine-tuned their techniques was eyeopening, and it gave me new ideas to bring back to my own lab. The visit left me energized and inspired, knowing there are shared approaches but also areas where I can innovate or collaborate.

Next, I travelled to George Mason University and visited the Centre for Applied Proteomics and Molecular Medicine (CCAMP). I was able to dive into their work and learn about some of the advanced techniques they're using in neurodegenerative disease research. This visit really broadened my perspective on potential new methodologies I could integrate into my own project, especially in terms of experimental approaches I hadn't yet considered.

Finally, I had the opportunity to visit the New York Genome Centre, where I didn't just present my poster—I gave a talk with a PowerPoint presentation. This was a significant moment for me, as it was my first time delivering a full talk at such an esteemed research institute. Sharing my research in a formal presentation setting and receiving direct feedback from genomics experts felt like a major milestone in my academic journey. The feedback from that talk helped me refine how I communicate the intricacies of my project, which will be crucial as I continue developing my research.

All these experiences have contributed immensely to my development as a researcher. Being in my second year of my PhD, this grant has helped me gain clarity on the direction I want my project to take and has equipped me with new techniques and ideas. I've also built valuable relationships with researchers and peers that I know will shape the future of my work.

The SRC grant was instrumental in making this trip possible, covering essential expenses like poster printing, flights, and accommodation. I am deeply grateful for this opportunity—it's something I will cherish for the rest of my career, and it's already had a lasting impact on how I approach my PhD research



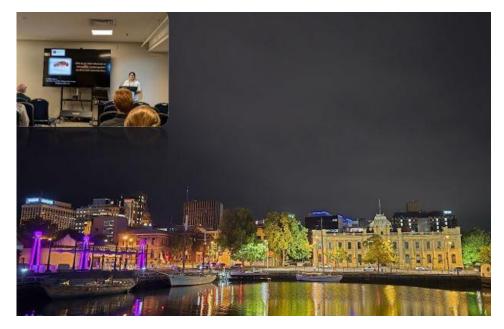


DISSAWE MUDIYANSELAGE DARSHIKA MADHUJEEWANI DISSAWA

Overview of the Conference The 55th Annual Scientific Conference of the Australian Entomological Society served as a prominent platform for entomologists, researchers, and industry professionals to share and discuss advances in the field of entomology. The conference highlighted innovative research, emerging trends, and sustainable solutions in insect science, focusing on both fundamental and applied aspects.

During the 2024 Australian Entomological Society 55th Annual Scientific Conference, I presented my research titled "Effects of Chlorothalonil on Drosophila melanogaster Survival and Reproduction." This study investigated the non-target effects of chlorothalonil, a widely used fungicide, on insect physiology and reproduction, using Drosophila melanogaster as a model organism. Key findings included decreased larval survival, delayed pupation time, and significant reductions in female reproductive parameters such as dry weight, number of ovarioles, and egg production. Interestingly, while male dry weight and larval food intake were unaffected, there was a notable reduction in male iron content, highlighting potential oxidative stress as a mechanism of toxicity. The presentation highlighted broader ecological implications, emphasizing that despite being considered relatively nontoxic, frequent chlorothalonil exposure poses risks to non-target insect species, particularly during flowering periods. Delivered as a 15-minute oral presentation with visual slides, the session sparked meaningful discussions about the impacts of agrochemicals on pollinators and insect biodiversity. Audience feedback was overwhelmingly positive, with entomologists and industry representatives showing strong interest in the study's relevance to sustainable agricultural practices and environmental conservation.

I would like to express my heartfelt gratitude to Macquarie University for awarding me the Student Representative Committee (SRC) Grant, which provided essential financial support for my travel to participate in the 2024 Australian Entomological Society 55th Annual Scientific Conference. This grant enabled me to share my research findings with a broader scientific audience, engage in meaningful discussions with experts in the field, and establish valuable professional connections. The support from Macquarie University has been instrumental in facilitating my academic and professional growth, and I am deeply appreciative of the University's commitment to fostering research excellence and supporting its higher-degree researchers.



GEORGIA MURITI

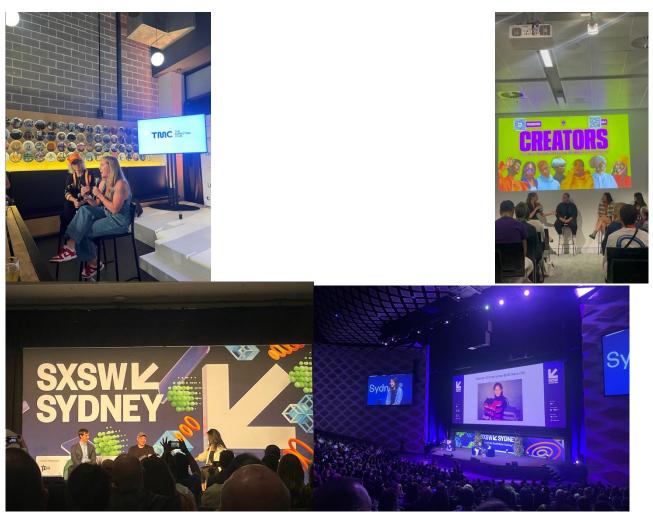
Attending SXSW Sydney was an invaluable experience, made possible by the generous support of the SRC grant. This event exposed me to cutting-edge ideas, innovative leaders, and diverse perspectives across industries. Highlights included attending inspiring talks by Johann Hari, whose insights on focus and connection were transformative, Melanie Perkins, whose Canva journey exemplified resilience and vision, and Katherine Bennell Pegg, who offered a unique perspective on advancing technology and collaboration in space exploration.

The event provided an unparalleled opportunity to deepen my understanding of marketing, artificial intelligence, and the intricacies of startup journeys. I gained practical insights into navigating the challenges of entrepreneurship and scaling impactful ideas. Connecting with industry leaders like Reed Jobs and Wesley Chan was a highlight, as their diverse experiences provided unique perspectives on innovation and strategic thinking. Conversations with sleep scientists, Olympians, and creative influencers expanded my perspective on innovation beyond traditional business contexts.

This exposure has directly influenced the development of my psychology startup, enhancing my marketing strategies and encouraging the integration of AI-driven solutions. The connections made have opened doors to collaborations and mentorship opportunities that would have otherwise been out of reach.

Additionally, SXSW Sydney allowed me to reflect on my own entrepreneurial journey. Meeting like-minded individuals from diverse fields underscored the importance of resilience, adaptability, and networking. This experience has invigorated my passion for building solutions that address complex problems, reinforcing the significance of continuous learning and community support.

Without the SRC grant, attending SXSW Sydney would not have been feasible. The opportunity has been instrumental in shaping both my personal growth and the trajectory of my psychology startup. Thank you for enabling this transformative experience.







Macquarie University is a vibrant hub of intellectual thinkers, all working towards a brighter future for our communities and our planet.

A PLACE OF INSPIRATION

Macquarie is uniquely located in the heart of Australia's largest high-tech precinct, a thriving locale which is predicted to double in size in the next 20 years to become the fourth largest CBD in Australia.

Our campus spans 126 hectares, with open green space that gives our community the freedom to think and grow. We are home to fantastic facilities with excellent transport links to the city and suburbs, supported by an on-campus train station.

RENOWNED FOR EXCELLENCE

We are ranked among the top two per cent of universities in the world, and with a 5-star QS rating, we are renowned for producing graduates that are among the most sought-after professionals in the world.

A PROUD TRADITION OF DISCOVERY

Our enviable research efforts are brought to life by renowned researchers whose audacious solutions to issues of global significance are benefiting the world we live in.

BUILDING SUCCESSFUL GRADUATES

Our pioneering approach to teaching and learning is built around a connected learning community: our students are considered partners and co-creators in their learning experience.





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