



INTERNATIONAL  
CONFERENCE OF  
UNDERGRADUATE  
RESEARCH 2016

ICUR<sup>®</sup>

A world map with a dotted texture, overlaid with several teal circular callouts. Each callout contains the name of a university and its location. Lines connect the callouts to their respective geographical locations on the map. The callouts are: Baruch College, City University of New York, New York, USA; University of North Carolina at Greensboro, USA; University of Leeds, Leeds, UK; University of Warwick, Coventry, UK; Monash University, Johannesburg, South Africa; Monash University, Kuala Lumpur, Malaysia; Monash University, Melbourne, Australia; Nanyang Technological University, Singapore; and Kyushu University, Fukuoka, Japan.

**Baruch College,  
City University  
of New York,  
New York, USA**

**University  
of Leeds,  
Leeds, UK**

**University  
of Warwick,  
Coventry, UK**

**Nanyang  
Technological  
University,  
Singapore**

**Kyushu  
University,  
Fukuoka,  
Japan**

**University of  
North Carolina  
at Greensboro,  
USA**

**Monash  
University,  
Johannesburg,  
South Africa**

**Monash  
University,  
Kuala Lumpur,  
Malaysia**

**Monash  
University,  
Melbourne,  
Australia**

# Welcome to the International Conference of Undergraduate Research

Welcome to an exciting event where research is shared on a global platform by undergraduates involved in a hugely diverse range of projects. This unique experience brings together a large supportive community of motivated students – just like you!

Being a part of this conference as a presenter or attendee is a great thing but becoming a truly engaged delegate is even better. We want to encourage you to think about how you can make the most of your experience today by making connections with other delegates and by reflecting on what you've done, seen and heard.

There is plenty of space in the following pages for you to jot down notes. Think about the presentations as you listen to them: What is particularly interesting to you? What follow up questions do you have for the Q&A sessions? What links and intersections do you see between different presentations on different topics? What would you like to investigate further? What aspects of the presentations do you think work particularly well, or not? Reflect on your own presentation or contribution: What would you do the same or differently next time? What was the audience response? How will you take your research forward now?

We also encourage you to interact with your fellow presenters and delegates, exchange ideas, and make connections for the future. See or hear something interesting that you'd like to share? Why not share your thoughts and photos of the event on Facebook, Twitter and Instagram using #ICUR2016 to interact with your new-found colleagues – locally and across the globe.

Through ICUR we enable students located in the UK, Australia, the USA, Malaysia, Japan, Singapore and South Africa to communicate with each other in real-time, without having to leave your home institution – making the conference unique in concept and design. Using the latest in high-definition video conferencing technology, it connects students from universities across the world in a single 48-hour forum. ICUR is a platform that showcases the work of some of the world's best undergraduate researchers from all disciplines. Students present their research in joint sessions alongside peers on the other side of the world, interacting with fellow presenters and audiences through video-links and social media. We hope you enjoy this unique opportunity!



**Now let's get started...**

# A Student-Centred Approach

Every year students across the globe act as volunteers, directors, hosts and presenters – joining together as a community to support the conference in various ways.

An ICUR Student Volunteer receives training prior to the event and is placed in one of four essential roles depending on their interest and expertise. These are: delegate registration assistant, room steward, host, or information assistant. The registration desk is where those arriving over the course of the conference receive their information packs, schedules, name badges and bags. The room steward ensures the smooth running of each session, including acting as time keeper for the presenters. The host introduces the topic and the presenters in that session and facilitates the Q&A at the end, encouraging discussion and interaction between the different topics. Finally, our information assistants are there to provide general assistance and to guide people to rooms and events throughout the day.

An ICUR Student Director provides the 'student voice' within the ICUR organising committee. The role may vary in each institution but includes: writing the ICUR newsletter, promoting ICUR to the students and staff at each university and serving on committees that review all submitted abstracts.

## Meet the Warwick Hosts:

### Jessica Hughes:

"I am one of your hosts for this year's conference. I became involved in the ICUR because of my keen interest in undergraduate research. By participating in this year's conference I am looking forward to meeting fellow undergraduate researchers, whilst learning about work from other disciplines. This academic year will see me begin the second year of my sociology degree, where I will be pursuing my interest in the sociology of education."



### Davina Nandhra:

"This is the second year I am taking part in the ICUR conference as a host. I look forward to joining a community that is bought together through an appreciation for sharing knowledge. I am really excited to advance my overall understanding on how different disciplines can intertwine."



### Jonathan Gunaseelan:

"I am a second year engineering student, aspiring spoken word performer and a firm believer that undergraduate research is just as useful as postgraduate research. ICUR's interdisciplinary audience will showcase this to many people who have expertise in different subjects. I hope ICUR 2016 will be a stepping stone to many more enlightening experiences as host."



## Meet some of our Student Directors:

### **Bernard Keo and Stephanie Neal, Monash University**

"Without a doubt, the highlight of our year as Monash's student directors has been the opportunity to meet and work with all the people that make ICUR and its related programs great – our amazing counterparts from all over the world, the dedicated staff that keep ICUR running year after year, the editors at Reinvention and above all, the creative and passionate undergraduate researchers that are the heart and soul of the ICUR experience."



### **John Bamping, Warwick University**

"Helping out with ICUR has been an experience like no other. I chaired sessions [at ICUR 2015] where presenters from New York, Australia, Singapore and right at home in Warwick were all speaking and engaging in stimulating Q&As; ICUR embraces both how small our world now is via video link but also it's beautiful diversity in ideas, institutions and individuals. I feel so much closer to global research and university culture than I could have ever done without ICUR. Exploring new ideas is something that is second nature with ICUR; I've reviewed research abstracts [for this year's conference] ranging across subjects as different as the latest advances in biomedical sciences to whether Kanye West resembles a messianic figure!"



## ICUR: Past, Present and Future...

ICUR first emerged as a grassroots initiative by students and staff at Monash University and the University of Warwick who, funded and facilitated by the Monash-Warwick Alliance, sought to design a multi-disciplinary programme that would internationalise the student experience and enhance students' intercultural communication skills without being prohibitively expensive for them. The result was ICUR. At ICUR's core is a simple motto and design philosophy: student-led, student-centred. Students are at the centre of the leadership and planning of ICUR, guided and mentored by staff. While ICUR provides a platform to showcase the finest undergraduate researchers at the participating institutions, it is also at its core a learning event for students.

After three previous successful conferences ICUR 2016 represents a developed and expanded version of that first experiment between Monash and Warwick. The event is now held over two days and includes partners located across five continents. We have continued to grow and nurture these international partnerships and we look forward to more exciting in the coming years.



## Compass

Compass is an Undergraduate Research Network program that aims to facilitate collaborative undergraduate research. In keeping with ICUR's student-led, student-centred approach, the multi-disciplinary Compass research groups enable ICUR students to support one another and share their ideas, research, and experiences. Compass is being piloted with 70 students at Monash Australia in 2016 with a view to including an international program from 2017.

# Meet our Keynote Speaker

**This year ICUR welcomes Keynote Speaker Professor Andrew Coats, Academic Vice President and Director of the Monash Warwick Alliance.**

Professor Coats was born in Melbourne and studied Medicine at Oxford and Cambridge. He commenced his cardiological training at St. Vincent's Hospital, Melbourne and completed a DM at Oxford and a DSc. at Imperial College, London.

Most recently he served as Chief Executive Officer of Norwich Research Park and Professor-at-Large at the University of East Anglia, both in the UK. Concurrently, he was Visiting Professor of Medicine at The University of Sydney in Australia, Consulting Professor for Research Strategy at the Chinese University of Hong Kong, and Guest Scientist at the Charité Medical School of Humboldt University in Berlin.

Previously he worked at The University of Sydney, as Deputy Vice-Chancellor and Dean of the Faculty of Medicine, the Imperial College London, as Viscount Royston Professor of Cardiology, the University of Oxford and the UK's National Heart and Lung Institute.

A fully accredited physician and cardiologist in both the United Kingdom and Australia, Professor Coats has extensive experience in applied health. He has served as Chairman of the Australian Health Informatics Council and Clinical Director of Cardiology and Deputy Medical Director (Research and Development) of the Royal Brompton and Harefield NHS Foundation Trust in the UK.

Professor Coats has an MBA from the London Business School and has more than 30 years of boardroom experience. He is both a Fellow of the Australian Institute of Company Directors and a Member of the UK's Institute of Directors.



## Our Executive Sponsors

ICUR was founded by the Monash-Warwick Alliance and is supported by a Steering Committee comprised of staff from both Alliance institutions. Steering meetings are co-chaired by Professor Darrell Evans, Vice-provost (Learning and Teaching) at Monash University and Professor Christina Hughes, Pro-Vice Chancellor (Teaching and Learning) at the University of Warwick. Having had successful academic and research orientated careers our Steering Co-Chairs are now responsible for academic leadership in areas relating to strategic teaching and learning activities. They are both extremely supportive of our work through ICUR, for which we are very grateful.

"Research, for me, is always about the passionate engagement that comes from hoping you can change the world through better knowledge... Well-designed research needs to be combined with a commitment to trying to resolve some of the large, and small, issues that confound us. I am so glad that [ICUR students] have the opportunity to experience the thrill, and the challenges, of doing research." - *Christina Hughes*



"My interest in research has been shaped by the wonderment I have had for biology since I was a teenager. In particular I have been fascinated by the way things form and function and therefore specialised as a development biologist for my PhD focussing on the musculoskeletal system. I have loved the opportunity of discovering new things, creating new experiments to test ideas and learning from the great people around me. As I became more interested in teaching and learning, I developed a further research theme all around communicating with different audiences. I have become eager to ensure all our students have the opportunity to develop their communication skills whilst at university – what better way than for our students to be involved in ICUR!" - *Darrell Evans*



# Your Research Experience

Use this space to reflect on your own research project and experiences

As presenters at ICUR 2016, you are given an opportunity to seek critical yet supportive feedback on your own research project. As members of the audience, you join in a global community of undergraduate researchers united by common excellence and a passion for critical inquiry, engaging in dialogue over ideas produced by currents on the other side of the world. We want ICUR to allow you to combine the benefits of a broad, global lens with your own awareness of local issues and to communicate your research to a multi-disciplinary, international audience.



The ICUR team are grateful for the support of Vice Chancellors Professor Margaret Gardner (Monash University) and Professor Stuart Croft (Warwick University) who will be opening this year's conference.

# It's all about making connections!

There is no time like the present to practice your networking skills. Getting to know your fellow delegates provides you with the opportunity to exchange and share information, discuss common interests or differing opinions, provide advice and support to each other and even work together on projects in the future. It's also not just about building these relationships now during your undergraduate studies but maintaining ongoing connections in the future as well... who knows when and where your paths may cross again.

Use this space to collect email addresses, Facebook contacts, LinkedIn Profiles or even create a WhatsApp group to connect:

What have you learnt from areas outside of your own discipline? Have you come across any ideas or techniques that you could apply to your own work in the future?

Francesca Gino, a professor at Harvard Business School explains "Today, probably even more than ever before networks are a key form of social capital for achieving goals in both your professional and personal lives" And meeting people at conferences "who likely have the same interests as you and are highly relevant to your work" is a good way to nurture and expand your network, says Dorie Clark, author of Stand Out Networking. "The fact that technology has made it easier to interact with people across great distances and time zones actually makes face-to-face interaction even more valuable" (Harvard Business Review, 2015).



Did you hear any great questions or answers during the Q&As? What were they? Why did they interest you?



Most areas of academic learning and research are improved if they are approaching from an interdisciplinary perspective. Stepping outside the usual disciplinary silos gives the opportunity to learn about an area holistically, approaching complex ideas from a range of perspectives and exploiting the symbiotic potential of traditionally distinct disciplines. ICUR gives you the opportunity to think again about your research and consider it from an interdisciplinary standpoint, the opportunity to present alongside students researching the same area as you, but from a different discipline. Make the most of this opportunity to broaden your research mind!

# The schedule

Melbourne, Australia	09:15 - 10:45	10:45 - 12:15	12:15 - 13:00	13:00 - 14:30	14:30 - 16:00	16:00 - 16:30
Japan	08:15 - 09:45	09:45 - 11:15	11:15 - 12:00	12:00 - 13:30	13:30 - 15:00	15:00 - 15:30
Malyasia and Singapore	07:15 - 08:45	08:45 - 10:15	10:15 - 11:00	11:00 - 12:30	12:30 - 14:00	14:00 - 14:30
United Kingdom	00:15 - 01:45	01:45 - 03:15	03:15 - 04:00	04:00 - 05:30	05:30 - 07:00	07:00 - 07:30
South Africa	01:15 - 02:45	02:45 - 04:15	04:15 - 05:00	05:00 - 06:30	06:30 - 08:00	08:00 - 08:30
Eastern Time, USA	19:15 - 20:45	20:45 - 22:15	22:15 - 23:00	23:00 - 00:30	00:30 - 02:00	02:00 - 02:30
Monash (Australia)	Session 1A with Kyushu and sessions 1B & 1C with Monash only	Session 2A with NTU, session 2B with Kyushu and session 2C with NTU	Lunch and Poster Session	Session 3A with Kyushu and NTU, Session 3B with Monash Malaysia, Session 3C with NTU & Session 3D Monash only	Session 4A with Kyushu & NTU, Session 4B with Monash Malaysia, Session 4C with NTU & Session 4D Monash only	Break
Kyushu (Japan)	Session 1A with Monash Australia	Session 2B with Monash Australia	Lunch	Session 3A with Monash Australia & NTU	Session 4A with Monash Australia & NTU	Break
NTU (Singapore)		Sessions 2A & 2C with Monash Australia	Lunch and Poster Session	Session 3A with Kyushu and Monash Australia and session 3C with Monash Australia	Session 4A with Kyushu and Monash Australia & session 4C with Monash Australia	Break
Monash (Malaysia)				Session 3B with Monash Australia	Session 4B with Monash Australia	Break
Warwick (UK)						
Leeds (UK)						
Monash (South Africa)						
Baruch (USA)						
UNCG (USA)						

## Day One: 27 September 2016

16:30 - 18:00	18:00 - 19:30	19:30 - 21:00	21:00 - 22:00	22:00 - 23:30	23:30 - 01:00	01:00 - 02:30	02:30 - 04:00
15:30 - 17:00	17:00 - 18:30	18:30 - 20:00	20:00 - 21:00	21:00 - 22:30	22:30 - 00:00	00:00 - 01:30	01:30 - 03:00
14:30 - 16:00	16:00 - 17:30	17:30 - 19:00	19:00 - 20:00	20:00 - 21:30	21:30 - 23:00	23:00 - 00:30	00:30 - 02:00
07:30 - 09:00	09:00 - 10:30	10:30 - 12:00	12:00 - 13:00	13:00 - 14:30	14:30 - 16:00	16:00 - 16:30	16:30 - 18:00
08:30 - 10:00	10:00 - 11:30	11:30 - 13:00	13:00 - 14:00	14:00 - 15:30	15:30 - 17:00	17:00 - 17:30	17:30 - 19:00
02:30 - 04:00	04:00 - 05:30	05:30 - 07:00	07:00 - 08:00	08:00 - 09:30	09:30 - 11:00	11:00 - 11:30	11:30 - 13:00
Session 5A with Kyushu, Session 5B with NTU & Session 5C with NTU	Session 6A with Monash South Africa, Session 6B with Warwick, Session 6E with Leeds						
Session 5A with Monash Australia	Session 6C with Warwick	Session 7C with Warwick & Leeds					
Sessions 5B & 5C with Monash Australia	Session 6D with Warwick	Session 7B with Warwick					
	Session 6B with Monash Australia, session 6C with Kyushu & session 6D with NTU	Session 7A with Monash South Africa, session 7B with NTU & session 7C with Leeds and Kyushu	Lunch and Poster Session	Session 8A with Monash South Africa, session 8B with UNCG & session 8C with Leeds & Baruch	Session 9A with Monash South Africa, session 9B with Baruch & session 9C with UNCG and Leeds	Break and Poster Session	Session 10A with UNCG, session 10B with Baruch & session 10C with Leeds
	Session 6E with Monash Australia	Session 7C with Warwick and Kyushu	Lunch and Poster Session	Session 8C with Warwick and Baruch	Session 9C with Warwick and UNCG	Break and Poster Session	Session 10C with Warwick
	Session 6A with Monash Australia	Session 7A with Warwick	Lunch and Poster Session	Session 8A with Warwick	Session 9A with Warwick		
				Session 8C with Warwick and Leeds	Session 9B with Warwick	Break and Poster Session	Session 10B with Warwick
				Session 8B with Warwick	Session 9C with Warwick and Leeds	Break	Session 10A with Warwick

# The schedule

Melbourne, Australia	08:00 - 09:30	09:30 - 11:00	11:00 - 12:30	12:30 - 14:00	14:00 - 15:30	15:30 - 17:00
Japan	07:00 - 08:30	08:30 - 10:00	10:00 - 11:30	11:30 - 13:00	13:00 - 14:30	14:30 - 16:00
Malaysia and Singapore	06:00 - 07:30	07:30 - 09:00	09:00 - 10:30	10:30 - 12:00	12:00 - 13:30	13:30 - 15:00
United Kingdom	23:00 - 00:30	00:30 - 02:00	02:00 - 03:30	03:30 - 05:00	05:00 - 06:30	06:30 - 08:00
South Africa	00:00 - 01:30	01:30 - 03:00	03:00 - 04:30	04:30 - 06:00	06:00 - 07:30	07:30 - 09:00
Eastern Time, USA	18:00 - 19:30	19:30 - 21:00	21:00 - 22:30	22:30 - 00:00	00:00 - 01:30	01:30 - 03:00
Monash (Australia)		Session 12A with Kyushu and sessions 12B & 12C with Monash only	Session 13A with Kyushu, session 13B with NTU, session 13C with NTU & session 13D with Monash Malaysia	Lunch and Poster Session	Session 14A with Monash Malaysia, session 14B with Kyushu & sessions 14C & 14D with NTU	Session 15A with Kyushu, session 15B with NTU, session 15C with Monash Malaysia & session 15D with NTU
Kyushu (Japan)		Session 12A with Monash Australia	Session 13A with Monash Australia	Lunch	Session 14B with Monash Australia	Session 15A with Monash Australia
NTU (Singapore)			Session 13B and 13C with Monash Australia	Lunch and Poster Session	Session 14C & 14D with Monash Australia	Session 15B & 15D with Monash Australia
Monash (Malaysia)			Session 13D with Monash Australia	Lunch and Poster Session	Session 14A with Monash Australia	Session 15C with Monash Australia
Warwick (UK)						
Leeds (UK)						
Monash (South Africa)						
Baruch (USA)						
UNCG (USA)						

## Day Two: 28 September 2016

17:00 - 17:30	17:30 - 18:30	18:30 - 19:00	19:00 - 20:30	20:30 - 22:00	22:00 - 23:00	23:00 - 00:30	00:30 - 02:00
16:00 - 16:30	16:30 - 17:30	17:30 - 18:00	18:00 - 19:30	19:30 - 21:00	21:00 - 22:00	22:00 - 23:30	23:30 - 01:00
15:00 - 15:30	15:30 - 16:30	16:30 - 17:00	17:00 - 18:30	18:30 - 20:00	20:00 - 21:00	21:00 - 22:30	23:30 - 00:00
08:00 - 08:30	08:30 - 09:30	09:30 - 10:00	10:00 - 11:30	11:30 - 13:00	13:00 - 14:00	14:00 - 15:30	15:30 - 17:00
09:00 - 09:30	09:30 - 10:30	10:30 - 11:00	11:00 - 12:30	12:30 - 14:00	14:00 - 15:00	15:00 - 16:30	16:30 - 18:00
03:00 - 03:30	03:30 - 04:30	04:30 - 05:00	05:00 - 06:30	06:30 - 08:00	08:00 - 09:00	09:00 - 10:30	10:30 - 12:00
Break and Poster Session	Joint keynote	Dinner	Session 16A with Warwick and NTU, session 16B with Monash South Africa & session 16D with NTU				
Break	Joint keynote	Dinner	Session 16C with Warwick				
Break and Poster Session	Joint keynote	Dinner	Session 16A with Monash Australia and Warwick & session 16D with Monash Australia	Sessions 17A & 17C with Warwick			
Break and Poster Session	Joint keynote	Dinner					
	Joint keynote	Break and Poster Session	Session 16A with NTU and Monash Australia, session 16B with Monash Australia and South Africa & session 16C with Kyushu	Session 17A with NTU, session 17B with South Africa & session 17C with NTU	Lunch and Poster Session	Session 18A with South Africa, session 18B with UNCG & session 18C with Leeds and Baruch	Session 19A with Baruch & session 19B with Leeds
	Joint keynote	Break and Poster Session	N/A	N/A	Lunch and Poster Session	Session 18C with Warwick and Baruch	Session 19B with Warwick
	Joint keynote	Break and Poster Session	Session 16B with Warwick and Monash Australia	Session 17B with Warwick	Lunch and Poster Session	Session 18A with Warwick	Session 19C with UNCG
						Session 18C with Warwick and Leeds	Session 19A with Warwick
						Session 18B with Warwick	Session 19C with South Africa

# Presentation and Communication

We hope that during ICUR 2016 you will acquire important skills in communication and leadership. For many of you this will be your first experience of presenting your research at an academic conference. ICUR provides a supported yet realistic experience for undergraduates in presenting their academic research. We'd like you to use these pages to reflect on presentations you have seen and heard today as well as your own presentation.

Think about what you've heard and seen today – which presentations and posters worked well and which didn't? Why or why not?

What presenters/ ideas were most memorable to you?



If you were a presenter – how do you feel about your own presentation? What feedback did you receive? Where do you think you could improve?

"To learn through listening practice is naively and actively. Naively means that you listen openly, ready to learn something, as opposed to listening defensively, ready to rebut. Listening actively means you acknowledge what you heard and act accordingly." – *Betsy Sanders, former Senior Vice President and General Manager, Nordstrom*

How did other presentations effectively communicate to the global audiences?

Which poster design grabbed your attention first? Why?

# Now you've done your research... Have you considered having it published?

As a participant at ICUR, you have worked hard to develop a presentation of your research to this international audience. The next natural step is to write a paper for publication! Reinvention: An International Journal of Undergraduate Research, the research journal run by the Monash-Warwick Alliance, provides exactly that – a space for active undergraduate researchers at Universities around the world, to publish their work.

Think of all the benefits that publishing research with Reinvention will bring you: enhancing research and writing skills, working through the editing and journal publication process, collaborating with students and staff across your university and seeing your research efforts and hard work actually come to life and be accessible to others.

## Meet the Reinvention Editor:

### James Young, University of Warwick

“Coming on board to Reinvention has shown me what a unique platform it really is; a place where undergraduate students can develop a unique voice as they exhibit their engagement and enthusiasm with high-quality research. In this respect, the skills gained from undergraduate research will benefit anyone and everyone, even if they will be applied to something that isn't academia.”

We encourage all participants in ICUR to further disseminate their research by writing a journal paper and submitting it to the Reinvention Editorial Board for review. If you visit us at [warwick.ac.uk/reinventionjournal](http://warwick.ac.uk/reinventionjournal) you can see each journal issue published online since the journals inception almost 10 years ago! You can also find more information about the development of the journal, the peer review process, guidance on writing and submitting a paper, and other useful 'top tips'.

Finally, why not keep up to date with Reinvention news by visiting and liking our Facebook page – Reinvention: an International Journal of Undergraduate Research.



# Participating Institutions

## Baruch College, City University of New York (USA)

Baruch College, part of the City University of New York, is a diverse urban campus in Manhattan with over 14,000 undergraduates speaking 120 languages. Many students are the first in their families to attend college and are immigrants or children of immigrants. We celebrate this wonderful diversity, which connects Baruch to the world through its students. While many students attend Baruch to pursue business degrees in the Zicklin School of Business, the college also has a strong Weissman School of Arts and Sciences, offering liberal arts majors and minors, and a School of Public Affairs. Baruch is committed to enhancing research opportunities for undergraduates and embraces the mission of deepening student engagement with the globe. Therefore, we are very excited about participating in this international conference so that our students can interact with contemporaries around the globe and gain pride in presenting their original work.

*Dr Katherine Pence, Chair and Associate Professor of History and Director of Women's and Gender Studies*

## Kyushu University (Japan)

Undergraduate research represents the first major opportunity for future researchers and professionals to take charge of a research project in all its aspects, from project design to communication. ICUR offers students a unique forum to gain experience in presenting their own research in front of an international audience of peers. It is both a form of training and an actual conference- the ideal step-up towards the more typical international conferences. Students can get a sense of – and may get inspired by – the quality and range of work being done by their peers in different corners of the globe.

*Professor Jan Lauwereyns, Graduate School of Systems Life Sciences, Faculty of Arts and Science, Kyushu University*

## Monash University (Australia, Malaysia, South Africa)

Monash University is proud to be a leader of this exciting new international initiative which is demonstrative of our commitment to delivering a global education to our students. Monash is a university driven by innovation; the ability to identify urgent areas of intervention, coupled with a burning desire to make a difference, is woven into the intellectual fabric of our institution and enfolds our teaching, learning and research. ICUR is an important part of the pioneering learning and teaching work done at Monash, both for the opportunity to enhance students' skills in articulating their ideas to a broader audience and to develop and refine their competence in intercultural communication. Our students presenting today are the best and brightest of their cohort, and we are tremendously excited to hear their presentations after many months of preparation.

*Dr Ernest Koh, Senior Lecturer in History and Kirra Minton, Academic Coordinator in the Office of the Vice-President, Monash-Warwick Alliance*



## Nanyang Technological University (Singapore)

We are excited to be involved in this interactive and global undergraduate research conference programme once again. ICUR is available to NTU undergraduate students through the undergraduate research programme (known as URECA) a university-wide programme where undergraduate students have the flexibility of working on any research project in any discipline over a period of 11 months (August-June). ICUR connects URECA students with research minded undergraduates from some of the world's finest universities. This is an excellent opportunity for our students to coordinate an international academic conference as we as to present their research to international audiences through the use of advanced technology. The experience gained through ICUR is highly valuable for their future career where presentation and meeting via videoconference are becoming norms. We look forward to greater success of ICUR in the years to come.

*Dr A.I. Sivakumar, Associate Professor and Director of the Undergraduate Research Programme – URECA@NTU, Director of the Joint MSc Project Management programme at NTU*

## University of Leeds (UK)

The Leeds Curriculum reflects our identity as a member of the research-intensive Russell Group of UK universities by translating our research excellence into a cutting-edge education for students. Leeds students are inspired by academics who are the leaders in their chosen subject. But most importantly, Leeds students are helped to develop the skills and academic knowledge they need to undertake research for themselves. And all Leeds students engage in research first-hand when they design and produce their independent final-year project, supervised and supported by specialists in the field. Our Undergraduate Research and Leadership Scholarship programme provides opportunity for students from all faculties to work with established research groups over two summers to develop their research and leadership skills.

*Dr Paul Taylor, Professor of Chemical Education, Director of Student Education, University of Leeds*



## University of North Carolina, Greensboro (USA)

The University of North Carolina at Greensboro is committed to cultivating a greater appreciation of knowledge and understanding through undergraduate research experiences. Our dedication to undergraduate research starts the development of research skills within our general education curriculum. Most degree programs include a capstone project that requires utilization of discipline-specific research tools to demonstrate curricular proficiency. Furthermore, we encourage students to get involved in faculty-mentored research/scholarly projects and to present the culmination of such work to a variety of audiences. The ICUR is a wonderful opportunity for select UNCG students to interact with others around the globe.

*Dr Jan Rychtar, Professor, Department of Mathematics and Statistics, The University of North Carolina and Greensboro, and Dr Lee Phillops, Director, Undergraduate Research, Scholarship and Creativity Office*

## University of Warwick (UK)

The University of Warwick's commitment to undergraduate research and the dissemination of that research means that we are ideally placed to offer this opportunity to students at the undergraduate level, with the aim of giving all students a voice within the academic community. Our strategy at Warwick is structured to ensure that students are part of a distinctive learning experience, characterised by research-led learning and teaching.

ICUR at Warwick is based within the Institute for Advanced Teaching and Learning (IATL), a central department formed to take forward key aspects of the University's Teaching and Learning Strategy. In particular IATL is committed to supporting innovation, interdisciplinarity, inclusiveness and internationalism and all of these strategic aims are embodied within ICUR. ICUR has the explicit aim of giving students a realistic, yet supported experience of presenting research at an academic conference and we work closely with students before and after the conference to support and reflect on their experiences. As ICUR continues to grow we are excited to work with new institutions, expanding the horizons of our students, welcoming others to the project and giving everyone a truly exciting, innovative and international experience.

*Caroline Gibson, Academic Manager & Amy Clarke, Assistant Manager for ICUR, IATL, University of Warwick*



# Student presenters

Abel, Mihaly	Celikaite, Kotryna	Dozaki, Yuka	Gerson, Jarred
Ahmed, Ishrath	Chan, Lucas	Du, Thanh	Goh, Jeremy
Aitken, Georgia	Chan, Yan Yee	Duncan, Claire	Goodhart, Joseph
Ajaykumar, Rohini	Chandra, Bernardus Edwin	Dunford, Emily	Gordon, Madeline
Akinroyeje, Ife	Cheak, Yen Hui	Dunn, Jason	Gorgan, Ana Maria
Al-Balushi, Marwan	Chen, Fan Xuan	Dyadyusha, Nataliya	Goto, Nanami
Al-Sayaghi, Maram	Chen, Shijian	Easanesan, Samuel	Grassmugg, Sonja
Amin, Farkhanda	Chen, Xiaoyang	Ebenburger, Robert	Griffin-Achmad, Santi
Anbarci, Dilara	Chi, Shian	Edillo, Eugenie	Gugoasa, Irina
Atanassova, Zapriana	Choi, Jasmine	Ekaputri, Stella	Gunasekera, Viranki
Attanayake, Binuri	Chung, Nadjali	Er, Amanda	Gunawan, Fidela
Aung, Ma Su Su	Clark, Madeleine	Fafowora, Honey	Halat, Peter
Aurelia, Jessica	Clark, Sharon	Fahey, Edith	Hall, Jonny
Awodipe, Esther	Coe, Olivia	Falk, Isak	Hallal, Anthony
Awogbade, Laolu	Coleman, Itané	Farmer, Ryan	Halligan, Finn
Bardsley, Michael	Copestake, Hannah	Felix, Christian Bethany	Hallock, Sarla
Barlow, Oliver	Corbani, Carlo	Fero, Emily	Hammant, Alexander
Battaglia, Lana	Cowie-Kent, India	Ferrier, Rhea	Hang, Nathan
Beal, Myra	Craven, Daniel	Foeken, Elsie	Hashmi, Sitwat
Bernstein, Gregory	Dahm, Sophie	Foley, Kristina	Hayward, Ben
Blake, James	Dass, Jolene Anthony	Fraser, Cherisse	Hechenberger, Melanie
Branda-Pawlaczyk, Lexie	Davies, Gareth	Frenkel, Dana	Hedt, Anne
Briody, Tatiana	Doery, Elizabeth	Fuller, Gareth	Hiroe Yoshinaga
Broadhurst, Danielle	Dorsett, Chasity	Fung, Calvin	Hiromatsu, Kosuke
Busler, Rhianna	Dos Santos, Miguel	Gan, See Ching	Ho, Cindy
Bydanova, Valentina	Doslo, Stefana	Gan, She Hwa	Hogan, Tony



Hohzoh, Kaho	Kobayashi, Cana Pite	Longin, Louis	Mohenska, Monika
Hohzoh, Ren'ya	Kok Leong, Foong	Lucas, Maureen	Moore, Tiera
Hon Yan, Chee	Kraker, Jessica	Lui, Karen	Mosse, Lisa-May
Howarth, Ben	Kumarakurusingham, Evan	Luo, Lorna	Motomura, Akane
Huang, Peide	Kuzmich, Alina	Luo, Yifei	Mudd, Bethany
Hundel, Avneet	Ladowsky, Bryan	Luong, Phillip	Mukwakwa, Pezu
Hung, Yu Shing (Jason)	Lai, Dingci	Luu, Vu Ha Phuong	Mumraz, Palvasha
Hunt, Madeline	Lal, Nikita	Lye, Jasmine-Victoriana	Mustafovska, Jona
Husby, Natalia	Lala, Nadeem	Machihara, Nanami	Nah, Dominic
Ignat, Cassandra Cristiana	Lam, Yuen Yi	Magwaza, Buhlebethu	Nakagawa, Misaki
Jacobs, Charzane	Lane, Katrina	Mann, Nisha	Nartey, Yasmin
Jankowski, Monika	Laryea-Walker, Ruth	Manners, Harry	Newn, Shannon
Jerome, Jack	Latham Jones, Emma	Manolios, Iliya	Ng, Angelica
Jones, Tyson	Lau, Ho Shan Zoey	Martincova, Katerina	Nguyen, Lee
Joyce, Brandon	Lau, Jun Bo	Maskiell, Lois	Norris, Jack
Juliyanti, Vani	Law, Marc	Mathew, Caroline	Norrish, Alexander
Kakkad, Ruchira	Lean, Jinghui	Matthews, Catriona	O'Neill, Lachlan
Kambaru, Ryo	Lee, Sharlene Chet Ling	Maybee, Ben	Occhino, Tessa
Kandola, Jivan	Li, Jiatong	McAlary, Lauren	Ooi Chong Yih, Eric
Kanellos, Xanthe	Li, Lixin	McAuliffe, Alanna	Ovcharenko, Daria
Kazmi, Zain	Li, Peiman	McDonald-Doh, Anita	Ow, Viola
Kee, Yong How	Lia, Alexandra	McIndoe, Nick	Park, Seonghee (Joy)
Kerfoot, Eleanor	Liesfield, Lachlan	Meeks, Sydney	Parroco, Rachel
Kevane, Orla	Lim, Wen Xian	Melhem, Hana	Parsons, Amy
Khan, Aminah	Lindeman, Courtney	Michelmore, Rhiannon	Patel, Priyesh
King, Stephanie	Liu, Ian	Miller, Elizabeth	Peh, Yang Yu
Kinjo, Maria	Liu, Jiaqi	Miller, Nicholas	Perez-Suarez, David
Kirby, Thomas	Liu, Sophia	Mmotsa, Tshiamo	Petrakis, Mimi

Pfigu, Takunda	Sarver, Marissa	Tan, Nicholas Jit Yang	Windsor, Ben
Pickles, Adam	Sato, Rio	Tan, Sio Hoong Heinrich	Witthoft, Lilly
Price, Bethan	Seah Wan Yin, Eliora	Taylor, Meghan	Wong, Matthew
Primiceri, Laura	Selvarajah, Amanda	Teo, Kenneth	Wong, Wun Ping
Prskalo, Ena	Seshadri, Madhavan	Thethy, Bhavraj	Woramaris, Natthanun
Pye, Fiona	Sethna, Dan	Thi, Tran Ngoc Minh	Wu Peili
Qing Tan, Yu	Sgambellone, Nathan	Thiagarajah, Lydia	Wu, Roger
Radeva, Yana	Sgambellone, Nathaniel	Thompson, Julia	Xia, Minghong
Radnell, Victoria	Shao, Yiyang	Tiele, Akira	Xu, Peiyang
Raja, Niveya Swaminaathan	Shiriti, Margia A.	Tokumasu, Aika	Xu, Yuecong
Ranjan, Bobby	Shlansky, Samuel	Topp, Matthew	Yamatogi, Leon
Rao, Aniqah	Siedses, Julie	Tsanaktsidis, Vicki	Yang, Uyeong
Reader, Nicholas	Silbert, Nicola	Tshikalange, Mulanga	Yang, Wensi
Rechter, Hayley	Sim, Alexiaa	Tu, Binhui	Yang, Zijing
Reeve, Sarah	Sim, Chloe	Tunstall, Harry	Yaremchuk, Yustyna
Reich, Connor	Singh, Harshini	Valani, Rahil	Yeo, Cathy
Richmond, Hana	Singh, Pritika Modhgil Hardeep	Varkonyi, Tamas	Yong, Jaynen
Riordan, Georgia	Skinner, Katherine	Velos, Kyriakos	Yotzov, Ivan
Ripper, Rosario	Skipworth, Hannah	Velychko, Ganna (Anna)	Young, Jodie
Ritchie, Owain	Smolenova, Natalia	Vernoia, Brianna	Young, Ryan
Rivard, Nicolas	Snell, Ed	Vijayendiran, Akshay	Zaidi, Zeba
Rivington, Kate	Soto, Alina	Vilalta, David	Zhou, Hao
Robins, Edmund	Spark, Katherine	Walton, Joseph	Zibonti, Alutta
Robson, Nalanda	Stops, Jeremy	Wang, Han	Zimble, Adam
Rychner, Georgina	Sugeng, Dicky Djayadi	Wee, Soon Keong	Zushiden, Miku
Sadrake, Kimberly	Swiney, Emma	Wildash, Freya	
Samson, Marcia	Tabussum Supti, Showmika	Willis, Rachel	
Sanford, Lauren	Tan, Marylyn	Wilson, Nick	

# Notes

# Thank you to...

## **The Monash-Warwick Alliance**

With Particular Thanks: Professor Andrew Coats

## **Monash University**

With Particular Thanks: Professor Darrell Evans, Monash Student Directors Bernard Keo and Stephanie Neal, the Monash Student Volunteer Team, and Dr. Lincoln Turner.

## **Warwick University**

With Particular Thanks: Professor Christina Hughes, Dr. Nicholas Monk, the Institute for Advanced Teaching & Learning (IATL), Warwick Student Directors John Bamping and Maria Abbadi, Hosts Davina Nandhra, Jessica Hughes and Jonathan Gunaseelan and the Warwick Student Volunteer Team.

## **Technological Support**

With Particular Thanks: Audio Visual Services, Roger Lindley and Jonathan Owen (Warwick) eSolutions Staff and Pam Miller (Monash)

## **Directors from Participating Institutions:**

Caroline Gibson, Dr. Ernest Koh, Professor Jan Lauwerenyms, Professor Katherine Pence, Professor Jan Rychtar, Associate Professor Sivakumar Al, Professor Paul Taylor. (see pages 15-17)

## **ICUR Central Organising Committee**

Amy Clarke, Caroline Gibson, Victoria Jelcic, Dr. Ernest Koh, Kirra Minton