



AUSTRALIAN & NEW ZEALAND SOCIETY OF BIOMECHANICS

Newsletter

Oct 2024
Volume 15
Issue 3

PRESIDENT'S REPORT

By Karen Mickle

Dear Members,

Our Society's premier event, the biennial Australasian Biomechanics Conference, is now only a month away! ABC14 will be held in Melbourne from December 1-4 with offerings for everyone, including events for women in biomechanics, students, and early-career researchers. With a fully integrated meeting with the Australian and New Zealand Orthopaedic Research Society (ANZORS), this will be our largest meeting to date and provide some excellent networking opportunities. Check out the [fantastic-looking program](#), including 6 keynote/invited speakers, that the excellent organising committee has put together. If you haven't already registered, you still can! ANZSB is also sponsoring the Women in Biomechanics Breakfast. This event will be relaxed and informal and open for ALL members as an opportunity to network.

The ANZSB strongly supports students and early-career researchers attending our major biomechanics conferences. Our membership has grown substantially over the past several years, allowing us to support more researchers than ever in presenting their work at the conference. We received 21 applications and granted 10 travel awards to students and early-career researchers, listed later in the newsletter. The committee has also been busy judging the 2023 Publication of the Year and was impressed by the work of Dylan Ashton and co-authors for their paper entitled "The Biomechanical, Biochemical, and Morphological Properties of 19 Human Cadaveric Lower Limb Tendons and Ligaments". Further details are in the newsletter.



SOCIAL MEDIA

Don't forget to engage with us via social media
Facebook - facebook.com/ANZSB
Twitter - [@ANZSB](https://twitter.com/ANZSB)



In case you missed the announcement made in the ISB newsletter, the other exciting news I must share is that Sydney has been chosen as the host city for the 2027 Congress of the International Society of Biomechanics. Back in August, I travelled to Canada to present a bid to host ISB in Sydney on behalf of my co-chairs, Michelle Hall (The University of Sydney) and Tim Doyle (Macquarie University). So, save the dates of **18-22nd July 2027**, we can't wait to host you all.

And with that news, this will be my last newsletter report as your President. It has been a rewarding 3 years and I would like to thank all the other committee members for all the time and support that have provided. If I don't see you at the conference, wishing you all the very best for the remainder of the year, and I hope you get a relaxing break over the holiday season.

Karen



Congratulations to the ANZSB travel award winners

Student awards

Patrick Beaumont
Matthew Hambly
Ioana Oprescu
Nicole Jones
Andrea Sgarzi
Manuela Zimmer
Enzo Allevard

ECR awards

Elizabeth Wojciechowski
Scott Starkey
Ryan Quarrington



The upcoming Combined Scientific Meetings of the Australian and New Zealand Society of Biomechanics (ANZSB) and the Australian and New Zealand Orthopaedic Research Society (ANZORS)! is just 1 month away. This dynamic event is set to take place from December 1st to 4th at Swinburne University in vibrant Melbourne. Get ready for a fantastic few days packed with cutting-edge science, inspiration, and connection! 🌐


🔊 This year's speakers are set to offer insights that will spark conversation and expand your thinking in biomechanics and orthopaedic research with 2 renowned international keynotes and 4 amazing local keynotes: Anne Silverman, Jess Snedeker, Richard Page, Kay Crossley, Laura Diamond & Bart Bosterlee.

🎉 Social Events & Networking: Join us for welcome drinks, a dedicated student & ECR event, networking event and of course, the conference dinner!

🧑‍🔬 Don't miss the Pre-Conference Workshops from our sponsors: Qualysis, Tracklab and Materialise. Also the Women in Biomechanics Wiki Event.



Program information as well as social and pre-conference workshop info can be found [here](#). There is still time to register for social events and pre-conference workshops. Simply login to your eventbrite account and under attendee info add these to your ticket, [here](#).

 Final Reminder for Presenters: Please remember that all presenters should have already registered to confirm their spot in the program. Don't miss out on your chance to be part of this exciting event! You can register [here](#).

We can't wait to see everyone in Melbourne for what promises to be an unforgettable conference. Let's make this a celebration of science, connection, and discovery! 🌐🔬

Tax invoice

For those looking to get a tax receipt for registration, this can now be accessed through your eventbrite account, select your tickets for the event and there should be a download tax invoice option. This may require you to enter additional info, such as your address. You can also edit your attendee info here, including registering for social events and pre-conference workshops.

ABC-ANZORS 2024

 International Society
of Biomechanics

Women in Biomechanics Wikipedia edit-a-thon

Wikipedia is the world's most highly read knowledge repository, but Wikipedia is seriously lacking in pages for Women in Biomechanics. We want the next generation of female scientists to be able to imagine a future in biomechanics and a key part of that is ensuring women in biomechanics are visible to the scientists of the future.

Join us in person for a Wikipedia edit-a-thon. No experience necessary! Just bring your laptop and we will bring the training, a list of amazing women to write about, and some food and drinks.



IWB x BRInC meet-up

The last 30 minutes of the edit-a-thon will be a celebration of what we have achieved and an IWB x BRInC meet up! Join us for champagne to celebrate and network with our amazing communities.



Sunday 1st December
2 - 4.30 pm

Swinburne Place West

Swinburne University of
Technology, Hawthorn.

This Wikipedia edit-a-thon is brought to you by the International Society of Biomechanics (ISB) Women in Biomechanics Wikibomb initiative. and supported by Wikimedia Australia.

SOCIÉTÉ DE BIOMÉCANIQUE

The Société de Biomécanique (SB) is an affiliated society with the ANZSB. A benefit of this memorandum of understanding is access to SB newsletters and announcements as well as reduced registration rates to attend the annual SB Congress.

Earlier this month in the most recent SB newsletter came out, check it out [here](#), SB newsletters can always be found through the members section of our website (<https://www.anzsb.asn.au/sb>). To access these newsletters, members are required to create a log-in and register for website members access.







Publication of the year 2023

Congratulations to Dylan Ashton and colleagues on their article in the American Journal of Sports Medicine, which was selected for publication of the year. The full article can be found [here](#)

The Biomechanical, Biochemical, and Morphological Properties of 19 Human Cadaveric Lower Limb Tendons and Ligaments

An Open-Access Data Set

Dylan M. Ashton,^{*} PhD , Carina L. Blaker,^{*} PhD , Nicholas Hartnell,[†] MBBS, Patrick Haubruck,^{‡§} MD, Ying Liu,[§] MSc, Samantha A. Hefferan,^{*} BMedSc , Christopher B. Little,[§] BVMS, PhD , and Elizabeth C. Clarke,^{*||} PhD
Investigation performed at the Kolling Institute, Northern Sydney Local Health District, University of Sydney, St. Leonards, New South Wales, Australia

Student members

[Join Our Society's WhatsApp Community!](#)

Ayden McCarthy (ANZSB Student Representative), would like to invite you to join our WhatsApp community.

The group will serve as a hub for academic discussions, professional networking, and important announcements, as well as an opportunity to engage in social interactions with fellow members.

This platform will be an essential resource not only for the upcoming conference but also for staying connected with society events, updates, and social activities.

Click here to join: [WhatsApp Group Link](#)

We look forward to seeing you at ABC-ANZORS 2024!

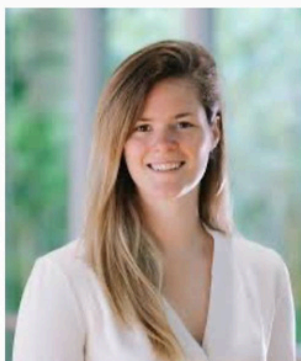


FROM ACADEMIA TO INDUSTRY AND BEYOND

Join us for an exciting session where international speakers will discuss their experiences moving from academia to industry. The second half of the session will include a panel discussion and open question period.

DATE & TIME: November 13th 930am AEDT (Sydney, AUS). Join via Zoom [here](#).

Dr Laura Hutchinson



Dr Laura Hutchinson completed her undergraduate and masters degrees in mechanical engineering at Queen's University in Kingston, Ontario. She then moved to Brisbane, Australia where she completed her PhD at the University of Queensland in biomechanics. Laura's research specialised in designing, adapting, and improving research technology through non-invasive human data collection. She recently completed her postdoctoral fellowship with Vancouver Island University at lululemon as part of the Evergreen research team conducting female-specific research to influence performance sports apparel design. Laura has just started a new position at Nike in the Nike Sport Research Lab as a lead apparel researcher. She is passionate about equality in STEM and sport, and the intersectionality between them. She is a lifelong learner who is committed to life through sports, adventure, and education.

Dr Alessio Bonti



Dr. Alessio Bonti is an AI Lead at IBM Australia, with an academic background specializing in software engineering and former Director for Innovation at Deakin University. Alessio also holds a few positions as a technology advisor for Italy's #1 university, Università Bocconi working on the redesign of the Digital Municipality of Milan, also the AI & Data Expert in UNSW Entrepreneurship program to help the early stage of start-ups. He continues his research collaborations across a number of universities and leads the Academic Initiatives for IBM in Australia and New Zealand. Among his works, Alessio led the development of the first commercial AI for Oncology, and the development of the first Multi Modal tracking system on blockchain to serve China's One Road One Belt project. His current area of focus is Automation and the adoption of AI in the business.



@brincprogram

www.canberra.edu.au/brinc



ANZSB COMMITTEE

PRESIDENT

Dr Karen Mickle
University of Newcastle, NSW,
Australia

PRESIDENT-ELECT

A/Prof Tim Doyle
Macquarie University, NSW,
Australia

PAST PRESIDENT

Prof Peter Pivonka
Queensland University of
Technology, QLD, Australia

SECRETARY/TREASURER

Dr Michelle Hall
University of Melbourne, VIC,
Australia

COMMUNICATIONS OFFICER

Dr Elyse Passmore
Murdoch Children's Research
Institute, VIC, Australia

NEW ZEALAND REPRESENTATIVE

Dr Julie Choisne
University of Auckland, New
Zealand

ECR REPRESENTATIVE

Dr Celeste Coltman, University of
Canberra, ACT, Australia

STUDENT REPRESENTATIVE

Ayden McCarthy
Macquarie University, NSW,
Australia

CONFERENCE LIAISON OFFICER

Dr Patricio Pincheira Miranda
University of Queensland, QLD,
Australia

ANZSB MEMBERSHIP

If you know of someone who you think might be interested in receiving this newsletter but is not a member, then please encourage them to sign up as a ANZSB member! Signing up to membership is easy and can be done by going to: <http://www.anzsb.asn.au/membership>

PARTICIPATE IN MEMBERS RESEARCH

OA research priority setting study invitation

You are invited to participate in a research project being conducted at The Centre for Health, Exercise and Sports Medicine at The University of Melbourne. The study is led by a Steering Group of researchers from The University of Melbourne and The University of Sydney, as well as a clinician and a consumer living with osteoarthritis (OA).

What is the aim of this study?

This is a research priority setting study with the aim of identifying the most important research topics for future research about OA in Australia.

The goal of the study is to improve the impact of research studies in OA in Australia by focusing on the most important research topics in the field.

Who can participate?

Researchers, People with OA and their carers/supporters, Healthcare providers, Consumer organisations, and Organisations that influence the delivery of OA care and/or funding of OA research (e.g., policy makers, industry representatives, OA grant funders, and health care administrators/managers)

What will participation involve?

All participants must live in Australia. Participation in this study will involve the completion of 2-3 rounds of short, online surveys. It is anticipated that each round will take approximately 20 minutes to complete. Each survey will be approximately 2-4 weeks apart. You will be able to complete the surveys at your own convenience.

In the first survey, we will ask you to review existing research topic priorities and to provide any additional research topics that you think are important for future research. In the second survey, you will be asked to rate research topics on their importance. If a third survey is required, you will be asked to rank research topics.

How to participate in the study or find out further information

If you wish to participate in the study or find out further information about the study, please visit <https://redcap.link/AusOASStudy> which will take you to the Plain Language Statement and the survey. If you have any questions about this study, please feel free to contact the Study Coordinator, Jesse Pardo from The University of Melbourne, at jesse.pardo@unimelb.edu.au for more information.

Invitation to attend the 2025 Australian OA Summit

You are also invited to attend the Australian OA Summit to be held at the University of Melbourne on Friday March 14th 2025 where the results of the project will be presented and attendees will be given opportunities to discuss the priorities, hear about current Australian OA research, funding and advocacy initiatives and opportunities and to network with other researchers and OA stakeholders.

Link to more info on the study: <https://redcap.link/AusOASStudy>

This study has ethics approval through the Human Research Ethics Committee at The University of Melbourne (ethics approval 30423).

On behalf of the Steering Group:

Prof Kim Bennell, The University of Melbourne
Prof Rana Hinman, The University of Melbourne
Prof David Hunter, The University of Sydney
Prof Christopher Little, The University of Sydney
Dr Jocelyn Bowden, The University of Sydney

Dr Carina Blaker, The University of Sydney
Dr Rachel Nelligan, The University of Melbourne
Dr Belinda Lawford, The University of Melbourne
Neil Bidgood, Consumer Advisor
Carolyn Yii, Physiotherapist