

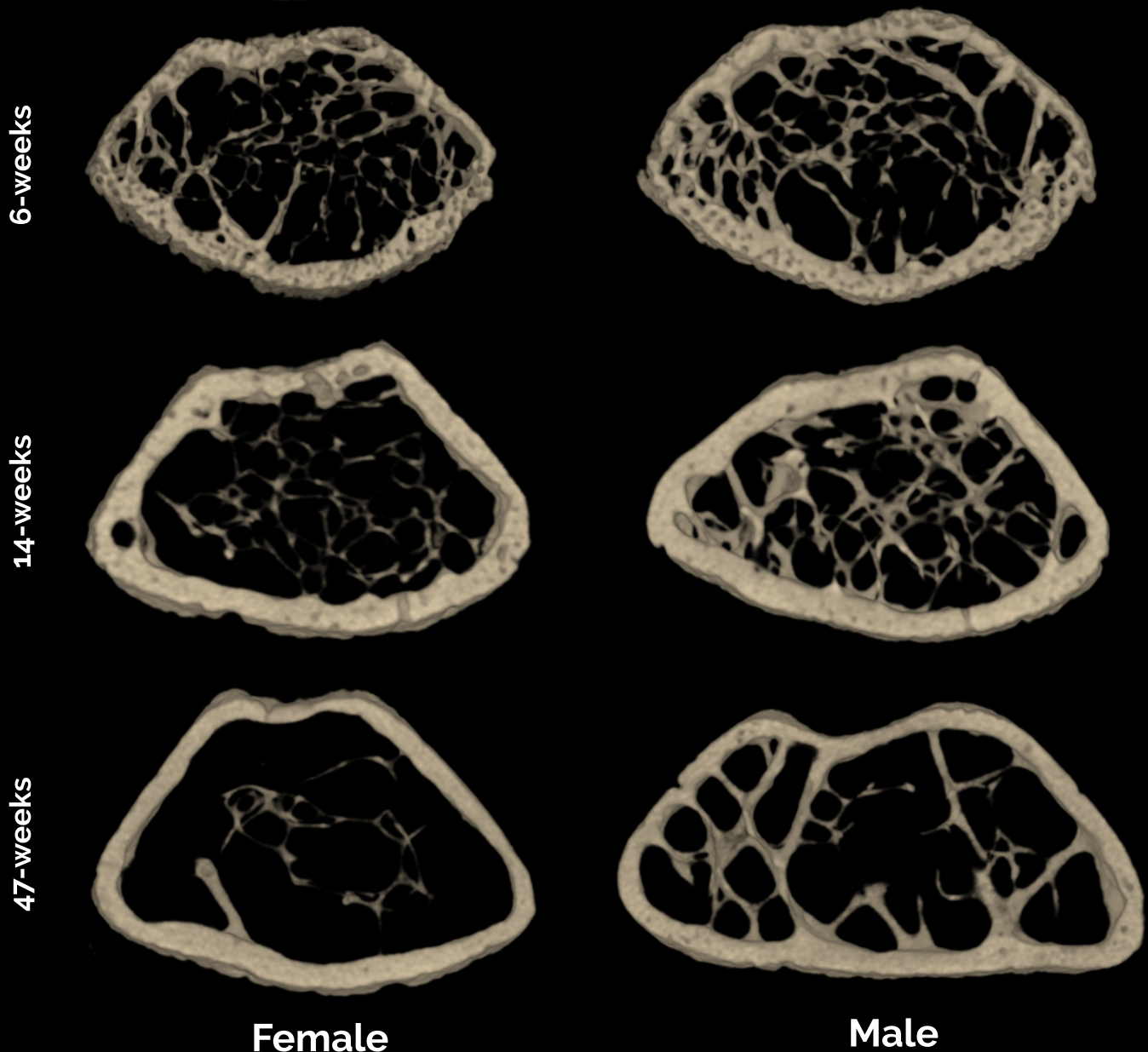
# EARLY CAREER INVESTIGATOR Newsletter

*ECI Spotlight*

*A Career in Lockdown*

*IFMRS HubLE Relaunch*

*Consumers in Musculoskeletal Health Research*



Cover Image: 3-dimensional microCT images of the distal femur in female and male wild-type C57BL/6 mice as they age. Femurs were scanned using a Bruker Skyscan 1172 with an isotropic voxel size of 7  $\mu\text{m}$ . Images represent 50 slices, 1.4 mm proximal from the growth plate. Image taken by Emma Buckels, School of Medical Sciences, The University of Auckland.



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*ECIs please send us your scientific images - the best will feature on the front page of our next issue.*

 [ecinewsletter@anzbms.org.au](mailto:ecinewsletter@anzbms.org.au)

 @anzbms\_ecic

## Editorial Board



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## ECIC Co-Chairs Report

Welcome to issue 7 of the ANZBMS ECIC Newsletter, our second issue for 2021. We hope you have all had an enjoyable and productive first half of the year. The ECIC has been busy working on a number of exciting initiatives to help support our ECI member career development and we will keep you updated via email and through the newsletter. Our first virtual coffee catch-up for 2021 was held in April and we discussed a very timely topic on how to make grants and fellowship applications stand out from the crowd. We are excited to be hosting two more coffee catchups planned for June and September, with more details on these sessions on page 4.

Planning for the joint Annual Scientific Meeting between EA-SRB-ANZBMS is well and truly underway. The meeting will be a hybrid one, accommodating in person and virtual components. We hope that many of you will be able to attend in person (21-24th November). Make sure to check out the website for more details regarding the abstract submission deadline and registration deadlines (<https://www.esa-srb-anzbms.org/>). The ECIC is working with the Program Organising Committee (POC) to organise and host a number of ECI related events. These include the career development session focused on **Building Collaborations and Networking - the keys to a successful career**, the social event: **Sex, Bones and Hormones - lets get social!**, and networking breakfast session: **Science at Speed: a meeting of the minds**. More details can be found on page 7 and on the dedicated conference website <https://www.esa-srb-anzbms.org/ecrecic-program>. The ANZBMS Clinical Cases session will be included as part of the ESA Clinical Weekend that will be held from 19-21st November in Ballarat. More details are on page 13. We look forward to meeting many of you at the ASM in November!

The International Federation for Musculoskeletal Research Societies (IFMRS) has relaunched HubLE, an Online Learning Environment for young investigators in the musculoskeletal (MSK) field. Make sure to check out details on page 8 and on the updated HubLE website [www.huble.org](http://www.huble.org).

We are committed to recognising and celebrating successes of all ECICs. Please don't forget to email us ([ecic@anzbms.org.au](mailto:ecic@anzbms.org.au)) if you receive an award or have a publication accepted.



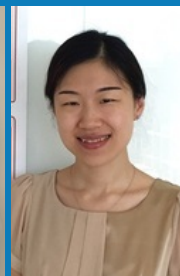
Dr. Melissa Cantley & Dr. John Kemp  
ANZBMS ECIC Co-Chairs



# ANZBMS ECIC Updates



Career Development Subcommittee



Clinical Subcommittee



Events Subcommittee



Communications Subcommittee



POC Rep

**WELCOME** to Dr. Emma Buckels from New Zealand who has recently joined the ANZBMS ECIC Career Development Committee.

**Research Position:** Research Fellow, Department of Molecular Medicine and Pathology at the University of Auckland, New Zealand.

**Researcher Profile:**

<https://unidirectory.auckland.ac.nz/people/profile/e-buckels>



Dr. Emma Buckels is a Research Fellow in the Bone and Joint Research Group at the University of Auckland. Emma is a basic scientist whose interests include understanding how metabolic disorders, such as insulin resistance and type 2 diabetes mellitus, affect bone health. Her current research focuses on preptin, a metabolically active hormone secreted alongside insulin from pancreatic  $\beta$ -cells, and how it affects the skeleton.



**ANZBMS ECI DATABASE** - Thank you to the 42 members who have completed the ANZBMS ECIC Database. The ANZBMS ECIC are often approached for recommendations of eligible early career researchers for a number of valuable opportunities. These include, but are not limited to:

- Invited national and international platform presentations
- Peer reviewing roles
- Awards

With this in mind, the ANZBMS ECIC is establishing this database of ECI member profiles that allows us to better understand the skill sets, expertise, and research interests of our membership. This database will provide a means for us to proactively identify and engage ECI members that are eligible for these research and professional service roles that will ultimately improve their track record.

The ECI database will also help us design and implement future initiatives that are aimed at boosting track records, and encouraging collaboration within our society. These include an ANZBMS Fellowship and Grant Coaching Program and a Skills and Resources Matching Initiative.

If you haven't yet filled out the database please do so using the following link:  
<https://forms.gle/4BDXyP5Wriwfk6qH7>

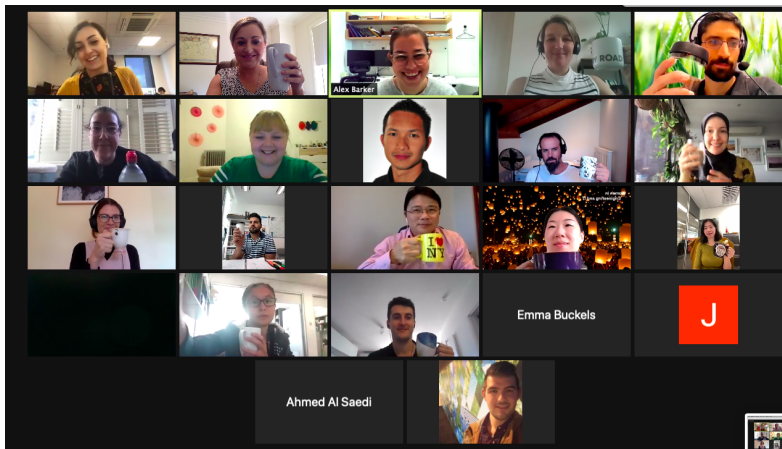


# 2021 Virtual Coffee Catch-Ups

Following the success of our new initiative in 2020 - the Virtual Coffee Catch-ups, we have continued this on into 2021. Our first ANZBMS Virtual Coffee Catch-up for the year was held on Friday 9th April and focused on **Getting that WOW factor - writing an application that stands out from the crowd**. The invited speakers for this session were Dr. Alberto Rosello Diez (Monash University) and Prof. Yin Xiao (Queensland University of Technology), Both were successful NHMRC Ideas grant recipients in 2020. There were 22 attendees for this Coffee Catch-up with many useful tips shared about improving the first page of your application. This session was very timely with the recent deadline for NHMRC Ideas grants.



Join us for the next coffee catch-up on June 18th at 10.30am AEST focused on **Perfecting Publications: The do's and don'ts of mastering manuscripts**. Our invited speakers for this Catch-up are ANZBMS President Prof. Natalie Sims (St Vincent's Institute), Prof. Tuan Nguyen (Garvan Institute) and Prof. Gustavo Duque (University of Melbourne). Don't forget to follow the ANZBMS ECIC on Twitter @ANZBMS\_ECIC and #ANZBMSCoffeeCatchups.



Coffee Catch-up attendees on 9th April, 2021



**Dr. Alberto Rosello Diez**  
Monash University



**Prof. Yin Xiao**  
Queensland University of Technology

## Virtual Coffee Catch-up

**Please join us for our next Virtual Coffee-Catch up**

**Perfecting Publications: The do's and don'ts of mastering manuscripts.**

**Friday June 18th 10.30 - 11.30am (AEST)**

**Prof. Natalie Sims**  
St Vincent's Institute of Medical Research

**Prof. Tuan Nguyen**  
Garvan Institute of Medical Research

**Prof. Gustavo Duque**  
University of Melbourne

**Please register in advance:**  
<https://bit.ly/3frCZma>

Don't forget to send questions you would like answered to [ecic@anzbms.org.au](mailto:ecic@anzbms.org.au) or @ANZBMS\_ECIC



**@ANZBMS\_ECIC and #ANZBMSCoffeeCatchups.**





## Dr. Jiao Jiao Li

Lecturer  
School of Biomedical  
Engineering  
University of  
Technology Sydney



### *Can you briefly describe your research?*

My research is at the intersection of engineering and medicine. Previously based at the Kolling Institute, University of Sydney and now UTS School of Biomedical Engineering, I am taking a regenerative medicine approach to develop a new therapy for osteoarthritis. As most people are aware, osteoarthritis is a painful disease of the joints that potentially leads to lifelong disability, and there is a huge healthcare burden associated with its chronic management globally. My current research makes use of adult stem cells and their biologically secreted fractions, which have anti-inflammatory and pro-healing effects, to hopefully arrive at a cure for osteoarthritis.

### *What will your involvement entail for the Superstars of STEM program?*

We have amazing representation of Australian women in STEM in this 2021-22 cohort! We all have diverse backgrounds, cultures, experiences, career stages, and are working in a broad array of discipline areas. We receive training and mentoring to develop valuable skillsets such as communicating effectively with different audiences, presenting with confidence, and supporting each other in career development. We are exposed to an array of opportunities to communicate our research to the public, such as through media interviews, school outreach, public seminars, science writing, and other events such as Science Meets Parliament.

We together hope to become role models for the future generation as women in STEM, and to smash society's stereotypes about who should undertake and succeed at a career in STEM, and what such a career should look like.

### *What does joining the Superstars of STEM mean to you?*

Being a Superstar of STEM brings me unique experiences and opportunities. As a female and culturally diverse early career researcher, this program enables me to be a voice for the minority groups that I represent, and to help improve the career prospects of these groups in today's challenging research landscape. This program also increases my capacity to reach audiences across different sectors, particularly those that I would not normally have exposure to, such as the government, industry, school-aged children, and the general public. Through this increased exposure, I hope to help raise public awareness and belief in science, particularly for my field of regenerative medicine that is highly multidisciplinary and holds many exciting possibilities for addressing major health problems plaguing the world today. I also hope that I can be a part of the driving force for promoting our society's understanding and support of the STEM fields, and to inspire our future generation to pursue STEM careers.



@JiaoJiaoLi\_Syd



# A Career in Lockdown



**Ms.  
Carrie-Anne  
Ng**

*PhD Candidate  
Monash University*

## **How has your PhD been interrupted by COVID-19?**

About a third of my PhD initially involved a clinical trial aimed at investigating the effects of an 8-month high-resistance exercise intervention on skeletal health. This was anticipated to begin in early 2020, but due to the impending border restrictions and lockdown, I returned to Singapore. The facility which was to deliver the intervention also had to halt operations temporarily. While this trial is permitted to resume in 2021, I am unable to perform the vital tasks of recruitment, assessments and scan analyses while I am away. The long duration of the trial could also no longer feasibly fit into my PhD timeline.

## **What did you do instead?**

My thesis had to undergo a major change in direction to instead focus on observational studies which assessed habitual physical activity and bone health. Fortunately, I was able to collaborate with other researchers on such studies and widen my lens to examine a variety of populations. I was permitted to remotely return to study by regularly updating my supervisors and the Monash University research graduate office.

## **What was the impact on your career plan?**

In an attempt to collaborate with research groups in Singapore during my time here, I was able to connect with researchers also studying the effects of exercise on skeletal health. While I had originally intended to return to Singapore to conduct research, I am hopeful to work with such groups in the future while maintaining close contact with my current team at Monash University.



**Dr. Renee  
Ormsby**

*Postdoctoral  
Researcher  
Brigham and  
Womens Hospital*

## **How has your Postdoc been interrupted by COVID-19?**

When I moved to the US in February of 2020, I was expecting long days in the lab, making friends in and outside of work and traveling around the states and beyond. Little did I know those expectations were soon dashed as we moved into lockdown three weeks after I started. Moving to a foreign city is strange enough, but to find myself in solitary as we quarantined for 3 months was really bizarre.

## **What did you do instead?**

Luckily, thanks to my very supportive PI, I was able to keep myself busy. She asked me to help her write a book chapter on early post-traumatic osteoarthritis, a subject we both had minimal knowledge about. The chapter kept me busy during lock down and helped me to further develop both my literature search skills as well as my writing skills. The chapter will be published later this year, and it definitely furthered my knowledge about osteoarthritis models and current therapies.

## **What was the impact on your career plan?**

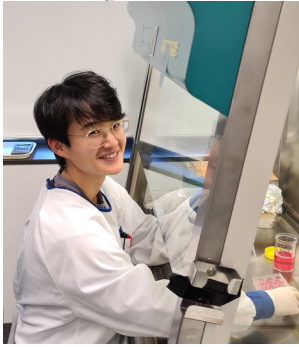
That time also helped me understand how important being in the lab is to me, I am much more productive when my days are balanced with wet lab work as well as writing and reading. As soon as I was able to, I was back in the lab working on my microCT analysis and histology. Being forbidden from the lab also helped me to re-think my goals as a junior post-doc and where I want to be in the future. This experience has unquestionably served as a catalyst for me to start planning the next steps in my career, hopefully back on the sunny shores of Australia.



@Reneeormsby



# A Career in Lockdown



## Miss. Ye Cao

PhD Candidate  
The University of  
Auckland

### How has your PhD been interrupted by COVID-19?

I was trapped outside of New Zealand for 15 months. After Christmas 2019 in Shanghai, my flight back to New Zealand was scheduled one day after all travel from China was blocked. I had everything packed and was notified my flight was cancelled. I didn't unpack my luggage because I was hoping the border would reopen. I thought to go to NZ via Japan; however, the NZ government then announced they were blocking all non-resident/citizen travel from all countries. The government were reassessing the border every 7-14 days, so I checked the news daily. I was stressed out and anxious and couldn't sleep. I went to the gym every morning for stress relief. I felt guilty as everyone in China had returned to school or work in August.

### What did you do instead?

My supervisor and I decided to find a lab in Shanghai to see if I could continue my research. I couldn't find a lab in my field, but I found one that was happy for me to use their equipment. However, I couldn't access a proper incubator for my cells, so I couldn't do any lab work anyway. Meanwhile, we published a review paper, which made me feel less guilty that I couldn't do anything while away.

### What was the impact on your career plan?

Before COVID-19, I was planning to travel to Europe for conferences, workshops, and lab visits, to travel to our collaborators lab in the States for more experiments, and to graduate by early 2022. However, I cannot plan anything because I still don't know when I will have enough lab work done, when the border will open, or when I can graduate. But I have been back in Auckland since April, and at least now I can continue to progress my PhD again.

ECIC/ECR  
Program

**ESA-SRB-ANZBMS 2021**

Melbourne Convention & Exhibition Centre

21 - 24 NOVEMBER

[WWW.ESA-SRB-ANZBMS.ORG](http://WWW.ESA-SRB-ANZBMS.ORG)



**Building Collaborations  
and Networking - the  
keys to a successful  
career**

**MONDAY 22ND NOVEMBER**

**3:20PM - 4:20PM.**

*Featured speakers will give insight and advice on how to successfully network and foster collaborations in order to accelerate your career. The talks will be followed by a panel discussion with questions from the audience for the speakers. Pre-dinner nibbles will be provided during the session.*

**Sex, Bones and  
Hormones - lets get  
social!**

**MONDAY 22ND NOVEMBER**

**7:30PM - 10:30PM**

*This is a casual drinks and dinner social event which will bring together members at all levels from all three societies. The evening will start with a short, fun ice breaker game and then members are free to mingle and network as they please. Substantial but informal food will be provided. Stay posted for news on the venue but expect to be impressed.*

**Science at Speed: a  
meeting of the minds**

**WEDNESDAY 24TH NOVEMBER**

**8:00AM - 9:45AM**

*A speed networking event between members at all levels from all three societies. The aim is to foster collaboration and networking across different disciplines and career levels.*



## HubLE Relaunch

To mark the second anniversary of HubLE, we are excited to announce the relaunch of HubLE, the IFMRS's Online Learning Environment for young investigators in the musculoskeletal (MSK) field.

Although we've made a few changes, our mission remains the same, and HubLE will continue to support the next generation of scientists to shape the future of MSK research, from basic to clinical. How? By not only giving a platform to early investigators to share, network, and engage in discussion and dialogue with other researchers and professionals from across the world, but also by providing high-quality, accessible knowledge about MSK research, with an emphasis on innovation.

### So, what's new?

We've made a few changes to ultimately improve how people share their ideas and learn from others, these include:

**1. Refining the core HubLE features**, making it easier for folks to find the ideas, research and knowledge that will be most useful for their work and learning.

We have five key features:

- [HubLE Graphics](#): Images, infographics, and doodles.
- [HubLE Publications](#): Published research in the form of author interviews, thesis summaries, and scientific highlights.
- [HubLE Exchange](#): Scientific exchanges and reports from scientific meetings featuring community members.
- [HubLE Opinions](#): Opinion pieces emphasizing critical barriers and topics of debate facing the community.
- [HubLE Resources](#): Innovative scientific methods and techniques, research groups, and new research.

**2. Updating the website** to make it easier to navigate and improve the overall experience.

All new content will be featured on the homepage of the HubLE website.

**3. Simplifying the process for submitting content** and streamlining the publication schedule.

We are always looking for more ideas, research and people to showcase on the platform. So head over to our [website](#) and fill out the short form on the 'Share my ideas' page. We'll get back to you with everything you need to submit your content.

## Join the HubLE community today!

To share your ideas and learn from our international community, visit our website [www.huble.org](http://www.huble.org) and view the latest content from the HubLE community including HubLE Graphics by Manula Rathnayake and Kathryn Stok from The University of Melbourne, and HubLE Publications by Fatemeh Jazinizadeh from McMaster University.





# Integrating Exercise Physiology into Clinical Practice for Musculoskeletal Health

On the 15th April the ANZBMS hosted a webinar on '*Integrating Accredited Exercise Physiologists into clinical practice for musculoskeletal health*'. The webinar provided clinicians, researchers & health-care professionals with the information, legislation and personal experiences on how exercise physiology can be intergrated into clinical practice for managing musculoskeletal health.

## Session Moderators



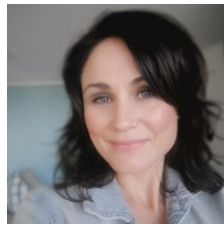
**Dr. Marc Sim**

*Edith Cowan University*



**Prof. Itamar Levinger**

*Victoria University*



**Ms. Nadine Presland**

*Member Development Advisor*



**Dr. Jane Elliott**

*General Practitioner*



**Mr. Craig Harrison**

*AEP - Clinical Team Leader*



**Mr. Jamie Broadbent**

*AEP & Physiotherapist*

## Guest Speakers

Adequate physical activity level plays a vital role in preventing and/or improving the management of chronic diseases including musculoskeletal conditions.

Exercise training and prescription for people with musculoskeletal conditions should be performed by qualified allied health professionals, particularly Accredited Exercise Physiologists (AEP) who have expertise in exercise testing and prescription. AEPs are accredited under Exercise and Sports Science Australia (ESSA), the peak professional body for exercise testing and training in Australia. Currently, there are over 5000 AEPs working across Australia, in both public and private health streams. In 2006, clinical exercise physiologists were listed among the allied health professions who could provide services within the Medicare system, though an important limitation is that these services are typically only covered for a defined number of sessions or cost, and only apply to the management of existing conditions. Hence, long term management or primary prevention in patients at high risk is not adequately addressed by this model.

While much has been done by the Australian government and organisations, such as the ESSA, to promote the integration of clinical exercise physiologists in the management of chronic musculoskeletal disorders, this is still an area that requires further optimisation.

On 15th April, Dr. Marc Sim and Prof. Itamar Levinger hosted a session, through the ANZBMS, on integrating accredited exercise physiology into clinical practice in order to optimise musculoskeletal health. Invited speakers were Ms Nardine Presland (ESSA representative); Dr Jane Elliott (Aware Women's Health Specialist General Practitioner); Mr Craig Harrison (Accredited Exercise Physiologist); and Mr Jamie Broadbent (Physiotherapist and Accredited Exercise Physiologist).

This session was well attended and very informative. Ms Presland discussed potential barriers to the integration of exercise physiologists in clinical practice; Dr Elliott described clinical scenarios where the input of an AEP was very useful in the management of her patients; and Mr Harrison and Mr Broadbent jointly spoke about the difference between the roles of a Physiotherapist and an AEP. The audience were given the opportunity to ask questions and there was great discussion among speakers and the attendees.

### Key messages from this session were:

- ▶ Both physiotherapists and AEPs have a role in the rehabilitation and management of people with musculoskeletal conditions.
- ▶ AEPs play a major role in the long-term chronic management of patients with musculoskeletal disease.
- ▶ Clinicians should consider referral of patients to AEPs under the Medicare Scheme.
- ▶ Multidisciplinary care can optimise clinical outcomes for patients.
- ▶ Patients should be encouraged to perform physical activity including resistance/weight training to reduce the risk of osteoporosis, falls, and fractures.

### Resources:

[https://www.essa.org.au/Public/Consumer\\_Information/What\\_is\\_an\\_Accredited\\_Exercise\\_Physiologist.aspx](https://www.essa.org.au/Public/Consumer_Information/What_is_an_Accredited_Exercise_Physiologist.aspx)

**Exercise and Sports Science Australia (ESSA) position statement on exercise prescription for the prevention and management of osteoporosis;**

<https://www.sciencedirect.com/science/article/pii/S1440244016302171?via%3Dihub>



# Consumer Groups in MSK Health Research

## Melbourne Osteoporosis Support Group, VIC



**MELBOURNE  
OSTEOPOROSIS  
SUPPORT GROUP**

Incorporated Reg No. A0038140R

Est. 1996

### ***Do you know about the ANZBMS?***

I work closely with Osteoporosis Australia (now Healthy Bones Australia) and have heard of the ANZBMS, and have read articles from them but have no other form of contact.

### ***Since joining MOSG, has your knowledge improved and have you made changes to your life regarding MSK disease?***

I started the MOSG 25 years ago and all I knew at the time was osteoporosis causes very painful spinal fractures suffered by my mother. I have learned a great deal about osteoporosis over the years and have made many lifestyle changes as a consequence. Additionally, my knowledge about osteoporosis has grown because I do our bi-monthly newsletter and get information for that from the International Osteoporosis Federation, Musculoskeletal Australia, National Osteoporosis Society, Royal Osteoporosis Society and Canada Osteoporosis Society and any other reputable sources I find.

### ***Research is an important part of advancing management and treatment options. How do you think consumers and researchers should interact?***

Researchers are now taking more notice of consumers experiences and this is very welcome. Interaction between them is important, but from my experience with support group members, very few are interested in participating in any way. They just want information for their own benefit without contributing. It is for that reason that the members voted at our April meeting to close the Group as I have to step down and no one was interested in taking my place to lead the group.

### ***What do you think the role of the consumers within MOSG should be in musculoskeletal research?***

Give feedback to members on how they manage their condition – what works and what doesn't.

***Beryl Logie, President of MOSG***





## Arthritis & Osteoporosis Western Australia Osteoporosis Support Group



*Prevent it. Manage it. Cure it.*

### ***Do you know about the ANZBMS?***

No, but I would like to find out more about the organisation and how we can work together to benefit sufferers of osteoporosis like me.

***Since joining this patient advocacy group/association, has your knowledge about bone health improved and have you made changes to your life regarding musculoskeletal diseases?***

Yes, definitely. Being a part of the Osteoporosis Support group has led me to discover so much from the other ladies in the group about different medication options, nutrition, supplements, exercise and experiences with different GPs, Endocrinologists and Rheumatologists as well as receiving great support and understanding from like minded women. In addition, AOWA have run various specialist talks and events with experts in this field which has also increased my knowledge on how to manage my condition. It is this education and support that enables me to become an advocate for taking responsibility for my own health and work better with my health specialists to enable an optimum outcome. I am a lot more confident about my condition and feel like I am now moving forward in a positive direction.

***Research is an important part of advancing management options for bone diseases - how do you think patients and researchers should interact?***

Patients are the recipients and benefit greatly from research but I sometimes wonder if their needs are adequately met with appropriate

and relevant research which is practical in the real world? I believe it would be ideal if patients were involved as stakeholders before any research is given the go ahead and be involved in the initial planning phase of the research. This way the patients' needs and concerns will be met and hopefully taken into account and perhaps may be able to influence the direction and outcomes of the research to be more practical in the real world. I think if patients are included early in the planning process this will also allow for better understanding between all parties to the research and perhaps be able to influence the aims of the research at an early stage. So, approaching organisations such as AOWA and also engaging directly with support groups and other patient groups about the research being planned by attending a meeting face to face or a survey or questionnaire to get feedback first up may be an ideal way to interact.

***What do you think the role of the patient representatives should be in osteoporosis/osteoarthritis research?***

Other than early engagement with patient representatives in the planning phase to get their feedback and perhaps direction with the research, it would be ideal to have a patient representative who is a lay person on the steering committee for the research project. They can perhaps see the wider application of the research in the real world rather than just from a science base.

**Deb Stone, leader of the osteoporosis support group at AOWA**



# ECI Member Awards

Congratulations to the following ECIs on their amazing achievements:



## ECTS 2021 Digital Congress Abstract Award

**Dzenita Muratovic**, The University of Adelaide

**Title:** *PLO13: Elevated levels of active transforming growth factor beta1 in the subchondral bone related spatially to cartilage loss in human knee osteoarthritis*



## Co-editor in chief at IFMRS HubLE

**Niloufar Ansari**, Monash University



## Winner of the 2020 ESSA Medal

**Amy Harding**, The University of Queensland

**PhD thesis:** *LIFTMOR-M: Lifting Intervention For Training Muscle and Osteoporosis Rehabilitation for Men*



## ASBMR Student Cohort

**Laura Trainor** (The University of Adelaide & SAHMRI)

**Jason Talevski** (University of Melbourne)

**Tian Nie** (University of Melbourne)



*ECIs if you have received any awards, funding etc. please email us at [ecinewsletter@anzbms.org.au](mailto:ecinewsletter@anzbms.org.au).*

*We would love to share and celebrate your success!*





# 2021 Meetings Calendar

## WCO-IOF-ESCEO Congress

26-29 August 2021

Virtual

## Bone Research Society Annual Meeting

28-30 June 2021

Virtual

## JSBMR Annual Meeting

8-10 October 2021

Format TBC

## ANZORS 26th Annual Conference

October 2021

Sydney, Australia

## ASBMR Annual Meeting

1-4 October 2021

Format TBC

## ANZBMS/ESA/SRB Annual Meeting

21-24 November 2021

Melbourne Convention Centre + Virtual

## ANZBMS-MEPSA-Vitamin D Workshop Joint Scientific Meeting 2022

1-4 August 2022

Gold Coast, Australia

## Cancer and Bone Society (CABS) Annual Meeting

Date TBC

Virtual

## ANZSSFR Symposium

TBC

**ESA CLINICAL WEEKEND 2021**  
In collaboration with ANZBMS

**19-21** RACV Goldfields  
**November** Creswick, Victoria

ONLY 20 MINUTES FROM BALLARAT AND DAYLESFORD!

# The 2021 Annual Scientific Meetings of The Endocrine Society of Australia, The Society for Reproductive Biology & The Australian and New Zealand Bone and Mineral Society

## Melbourne Convention & Exhibition Centre

### SAVE THE DATE: 21 - 24 NOVEMBER 2021



## 2021 THEMES

### ESA

- » Diabetes - 100<sup>th</sup> anniversary of Banting and Best
- » Sport and Endocrine Disorders
- » Adrenal
- » Neuroendocrine control of behaviour
- » COVID Hot Topics
- » Endocrine Disrupting Chemicals - 30<sup>th</sup> anniversary of “endocrine disruption”
- » Transgender health
- » Award Presentations from selected abstracts

### SRB

- » Advances in contraception
- » Reproductive ageing and sustaining a pregnancy
- » Novel technologies in Reproduction
- » Endocrine Disrupting Chemicals - 30<sup>th</sup> anniversary of “endocrine disruption”
- » Award Presentations from selected abstracts

### ANZBMS

- » Cellular mechanisms of bone disease
- » Advanced therapeutics in bone
- » Transgender health
- » Award Presentations from selected abstracts

[WWW.ESA-SRB-ANZBMS.ORG](http://WWW.ESA-SRB-ANZBMS.ORG)



## KEY DATES:

Early bird registration deadline:  
FRIDAY 17<sup>TH</sup> SEPTEMBER

Abstract Submission Deadline:  
FRIDAY 13<sup>TH</sup> AUGUST

Award Submission Deadline:  
FRIDAY 13<sup>TH</sup> AUGUST