

# ANZBMS Newsletter

**Welcome to the new ANZBMS newsletter**

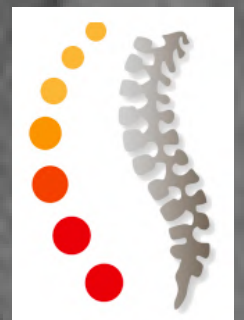
**ANZBMS Annual Scientific Meeting goes virtual**

**Member recognised in Queen's Birthday Honours**

**How to connect on Twitter**

**Meet our newest members**

Cover image: Magnetic resonance image of a human knee joint  
Courtesy of Feng Pan, University of Tasmania





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**ECI Issue : Early Sept. 2020**  
**Next Issue: Late Oct. 2020**

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

 @ANZBMSoc

## Welcome to the new ANZBMS Newsletter

Over the past year, ANZBMS members have expressed their wishes for greater communication and dissemination of information to members and our wider community. The role of the communications committee is to oversee the delivery of information among members of the ANZBMS and between ANZBMS council and members of the society, by a number of activities. This year, the Communications committee was established to include one member from each of the ANZBMS subcommittees in addition to our ordinary members and the ANZBMS Honorary Secretary (See pg.11 for more details).

One area ANZBMS members expressed that they would like to see improved was the general newsletter to members. This need was further increased by the current COVID-19 pandemic, which has changed the way we work and interact with others. It is important for us to be able to connect to each other and share our experiences, particularly as we will not be able to gather in person this year. Inspired by the high-quality newsletter generated by our Early Career Investigators (ECI), we have adopted a similar approach and will be releasing issues on a quarterly basis. Together, the two newsletters will complement one another and be released in an alternate fashion. We encourage you to read both newsletters.

The general member newsletter aims to: 1) Provide updates on the activities of ANZBMS and its committees; 2) Highlight ANZBMS members achievements and publications; and 3) Disseminate information on events including the ANZBMS Annual Scientific Meeting and other opportunities. We will release issues in late January, late April, late July and late October. The ECI newsletter will have a stronger focus on ECI achievements and relevant ECI information with issues released in early March, early June, early September and early December.

Thank you to all the members that completed our online survey earlier this year, we have listened to your suggestions. We also thank the members that have contributed and aided us in delivering our first issue. We encourage you to reach out to us if you have received an award, have news to share or suggestions for the newsletter at [newsletter@anzbms.org.au](mailto:newsletter@anzbms.org.au).

*ANZBMS Communications Committee and Newsletter Editorial Board*

## ANZBMS Newsletter Editorial Board



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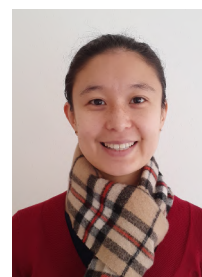
**Victoria  
Leitch**



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Musson**



**Feng  
Pan**



**Natalie  
Wee**



**Emma  
West**



## President's Address

### **Welcome to the first issue of the new ANZBMS newsletter!**

At our AGM in 2019, while overlooking a beautiful sunset in Darwin, ANZBMS members said they wanted to hear more from the society on a regular basis. As well as more regular email contact, we've now established an ANZBMS Communications Committee and a newsletter editorial team. So now, in addition to the regular newsletter from our Early Career Investigator Committee, you'll also have a regular update from the whole society about our annual meeting, member achievements and publications, committee news, and upcoming events. I hope that you enjoy reading this newsletter, learning more about what ANZBMS is doing as a society, and getting to know other members better. I especially want to thank Rachel Davey for establishing the Communications Committee, Natalie Wee as Editor-in-Chief for organizing the first edition, and all the members of the Editorial Board for producing it.

I hope that you'll find inspiration to become more involved in the ANZBMS mission of promoting excellence in bone and mineral research, fostering the integration of clinical and basic science, and facilitating the translation of our science to health care and clinical practice. This newsletter is for the whole society. Use it to share your part of our bigger story of the great things happening in Australia and New Zealand in bone and mineral research to promote better bone health in the future.

Happy reading!  
Natalie



*Natalie Sims, ANZBMS President*

## ANZBMS Webinar Series

### **Management of Glucocorticoid-Induced Osteoporosis**

#### **Prof. Mark Cooper**

When: Wednesday, 5 August 2020 at 6pm AEST (8pm NZST/5.30pm ACST/4pm AWST)

This webinar is part of the Specialty Society Webinar Service pilot that is being undertaken by the Royal Australasian College of Physicians in partnership with its affiliated specialty societies.

Register in advance for this Zoom webinar: [shorturl.at/wCEKN](https://shorturl.at/wCEKN)

After registering, you will receive a confirmation email containing information about joining the webinar.



### **Stay tuned for future seminars!**

**Denosumab cessation**  
Dr Sabashini Ramchand  
Date TBA

**Genetics of osteoporosis**  
Dr John Kemp  
Monday November 9th 2020 at 6pm AEST.

# 2020 Inaugural Virtual Conference



30<sup>TH</sup> AUSTRALIAN AND NEW ZEALAND  
BONE AND MINERAL SOCIETY  
ANNUAL SCIENTIFIC MEETING  
VIRTUAL 12<sup>TH</sup> - 14<sup>TH</sup> OCTOBER  
[www.anzbmsconference.org](http://www.anzbmsconference.org)



On behalf of the Australia and New Zealand Bone and Mineral Society, we look forward to having you take part in our 2020 Inaugural Virtual Conference. Together we will celebrate 30 years delivering the most up to date research in the musculoskeletal field. In these times of change, we have responded to the needs of our ANZBMS members. The program organising committee (POC) has put together an exciting and comprehensive program that incorporates both basic and clinical research in musculoskeletal diseases and their treatment. The meeting will provide a valuable forum for scientists and clinicians from around the world to discuss the latest advances in these critically important areas. In particular, we are hoping to also enlighten our audience with some of the cutting-edge technical advances provided by industry in the conduct of basic and clinical research.

The conference will contain a mixture of oral and poster presentations from basic and clinical researchers, with awards offered for the best early career oral presentation, best student abstract and the best poster presentation. Major research themes that will be covered at the meeting include: PTH related syndromes, bone and tendon development, research resources such as bio banks, and the latest approaches to treating osteoporosis and other bone diseases. In addition, the ANZBMS ECIC have planned two focused sessions for early career researchers: a career development panel discussion and a Clinical Cases session covering weight loss and bone health, exercise as a prescription and hormone-related bone health. This clinical session will be supplemented with pre-recorded educational lectures to provide great value and continuing education to clinicians, clinical trainees and basic scientists, alike.

Our virtual platform will deliver seamless content, interactive Q&A and live chat functions to facilitate an event that drives engagement between all delegates, and will provide virtual booths, allowing delegates to interact with industry sponsors. We welcome all to enjoy your first virtual ANZBMS journey from the comfort of your home or office.

We would like to thank our POC members listed [here](#) on the website for their efforts and contributions to the development of this program.

*Michelle McDonald, Craig Munns and Christian Girgis*  
POC chairs

**2020 Inaugural Virtual Conference:**  
[www.anzbmsconference.org/](http://www.anzbmsconference.org/)  
Abstracts due: 14th August 2020  
Earlybird Registration: 11th September 2020  
ANZBMS Awards on offer (Pg. 11)

**Invited Speakers:**  
[Harald Jueppner](#)  
[Jennifer Byrne](#)  
[Yuki Yoshimoto](#)



# Congratulations to our members!

## 2020 Member of the Order of Australia in the Queen's Birthday Honours

*Queen's Birthday Honours annually recognises a group of outstanding Australians who have made a contribution to their community, to Australia globally to Australia globally or domestically. They demonstrate the values that Australia as a nation holds dear – compassion, service, excellence, dedication, courage, kindness and equality.*

### **Professor Matthew Gillespie, Monash University**

Professor Gillespie is trained in microbiology and immunology, and also bone and cancer research. He carried out his Honours and PhD studies with Ron Skurray at Monash University, Department of Microbiology. After obtaining his PhD, his first postdoctoral position was with Nick Deacon and Ian McKenzie at the Centre for Cancer and Transplantation at The University of Melbourne. He then joined Professor T J Martin's group at the Repatriation General Hospital Heidelberg, and subsequently at St. Vincent's Institute of Medical Research when the entire team moved in 1989. During this time, he extensively studied the expression and role of parathyroid hormone-related protein (PTHrP) in cancer, and in bone.

Professor Gillespie was an Associate Director of Melbourne's St Vincent's Institute of Medical Research, and Director of Prince Henry's Institute (2008-2013). He was president of Australian and New Zealand Bone and Mineral Society during 2011-2013, and Australian Society for Medical Research (1999-2000).

Professor Gillespie was awarded the Order of Australia in the Queen's Birthday Honours 2020 for significant service to tertiary education administration, and to medical research.



## 2020 ASBMR Paula Stern Achievement Award

*The ASBMR Paula Stern Achievement Award annually recognises a woman in the bone field who has made significant scientific achievements and who has promoted the professional development and advancement of women in the field.*

### **Professor Natalie Sims, St. Vincent's Institute of Medical Research**

Professor Sims is an NHMRC Senior Research Fellow, the Deputy Director of St. Vincent's Institute (SVI), the head of SVI's Bone Unit and a Professorial Fellow at the University of Melbourne. She is the current President of the Australia and New Zealand Bone and Mineral Society.

Her laboratory studies the cellular interactions responsible for development, maintenance and strength of the skeleton, and has defined the roles of a number of key pathways, including the IL-6 family of cytokines, EphrinB2, and PTHrP in bone through the use of genetically altered cellular and mouse models.

Natalie carried out her PhD studies with Howard Morris at the Institute of Medical and Veterinary Sciences and the University of Adelaide, then did postdoctoral work at the Garvan Institute with John Eisman, Nigel Morrison, and Edith Gardiner. Following that period, she worked at Yale University with Roland Baron before returning to Australia on a University of Melbourne R J Gleghorn Fellowship to work in the Department of Medicine at St. Vincent's Hospital, Melbourne with T J Martin and Kong Wah Ng.

She has over 150 publications, including 120 peer reviewed articles and >9000 citations on a broad range of bone-related topics. She is an Associate Editor of the *Journal of Bone and Mineral Research*, and *Endocrine Reviews*, and an Editorial Board member of the *Journal of Biological Chemistry*.

Natalie is the first Australian scientist, and the second ANZBMS member (Jillian Cornish, 2016) to receive this prestigious award .





# Congratulations to our members!

## 2020 Class of Fellows of American Society of Bone and Mineral Research

*The Fellow of the American Society for Bone and Mineral Research (ASBMR) program recognizes long-term ASBMR members who have made outstanding contributions to the field of bone and mineral science.*



### **Associate Professor Joshua Lewis**

Edith Cowan University

Josh leads the Disorders of Mineralisation research group within the School of Medical and Health Sciences at Edith Cowan University. His research aims to develop better ways to identify and prevent disease before the onset of clinical symptoms.



### **Associate Professor Nathan Pavlos**

University of Western Australia

Nathan is Head of the Bone Biology and Disease Laboratory within the School of Biomedical Sciences at the University of Western Australia. His research program focuses on the cellular and molecular pathogenesis of bone diseases.



### **Professor Robin Daly**

Deakin University

Robin is Chair of Exercise and Ageing within the Faculty of Health at Deakin University. His program of research focuses on the effects of exercise and nutrition and the interaction of these two factors for preventing and managing chronic diseases.



### **Professor Jiake Xu**

University of Western Australia

Jiake is Head of Molecular Laboratory, and Head of Regenerative Medicine, School of Biomedical Science, at the University of Western Australia. His current research activities are focused on molecular cross talks of osteoclast and osteoblast, bone marrow stem cell niche, as well as angiogenic and angiocrine dysregulation.

**Congratulations to ANZBMS ECI members:** Jason Talevski (University of Melbourne), Jack Feehan (University of Melbourne), Almed Al Saedi (University of Melbourne) and Lena Batoon (University of Queensland) who are recipients of the 2020 ASBMR Young Investigator Awards for the ECTS Digital Ph.D. Trainee Course. These awards covered the registration costs for ASBMR young investigators to participate in the ECTS and GEMSTONE COST-Action Digital Masterclass for Ph.D. Students, Trainees, and Young Investigators. The course promoted general knowledge of bone research to young investigators featuring workshops, and offered attendees interactive workshops, mentoring sessions, and presentation opportunities with feedback.



# Congratulations to our members!

## 2020 NHMRC Investigator Grant Recipients

Congratulations to the following ANZBMS members for receiving NHMRC Investigator Grants. These members will also be featured in the ECI newsletter (early September), where they will provide helpful advice to early career investigators.



### **Dr Alison Beauchamp**

University of Melbourne.

Emerging Leadership 2: *"Optimising engagement in cardiac secondary prevention: a health literacy approach"*



### **Professor Peter Ebeling**

Monash University.

Leadership 3: *"Increasing osteoporosis treatment uptake"*



### **Professor Tuan Nguyen**

University of New South Wales.

Leadership 3: *"Prediction of fracture by clinico-genetic profiling"*



### **Professor Markus Seibel**

University of Sydney

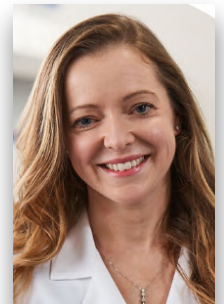
Leadership 3: *"Making the first osteoporotic fracture the last - Implementation and analysis of an evidence-based, integrated model of care for secondary fracture prevention"*

## Appointments to International Bone Societies



Rachel Davey (left) appointed to serve on the ASBMR Women in Bone and Mineral Research Committee from the conclusion of this year's ASBMR 2020 Annual Meeting to the conclusion of the 2023 Annual Meeting.

Michelle McDonald (right) was elected to the Board of International Society of Bone Morphometry (ISBM) for 2020-2022.





# How to tweet and connect to @ANZBMS

## 1) Why should members get on Twitter?

Twitter is a great way to keep up with all the latest news and publications from individual experts, societies and journals in the bone field. It is also an outstanding platform for connecting with future collaborators and increasing your research impact within and beyond the bone field; studies have demonstrated that highly tweeted articles are far more likely to be highly cited, and that by growing your Twitter profile, your range of followers begins to expand beyond other scientists to include educational organisations, media, decision-makers and members of the general public.



## 2) How to use Twitter?

Twitter is the best social media platform for following discussions on clinical and research-related issues, commenting on research that is relevant to your field, and sharing links to your content. It takes time to build a Twitter following, but by following other experts and regularly sharing interesting content, you can establish an international profile quite quickly. Tweets are often most visible when they include hashtags (this is what is used when something is “trending” e.g. #osteoporosis, #bone), mentions (e.g. @ANZBMSoc), images and links.

## 3) How to connect with ANZBMS?

1. Sign up for an account or login to Twitter at [www.twitter.com](http://www.twitter.com) on your web browser or via the Twitter app on your smartphone or tablet (download in Google Play and App Stores).
2. Using the search icon or search bar, type “@ANZBMSoc”.
3. Select “ANZBMS” from the drop down list.
4. Click the “Follow” button on the ANZBMS Twitter page.
5. We will be sure to follow you back and your Twitter profile is already growing!



**ANZBMS is on Twitter! Follow us @ANZBMSoc and be sure to tag us in all your bone-related tweets!**



## 4) What can you expect us to post?

We endeavour to regularly tweet and re-tweet relevant information for and about ANZBMS members, and our fellow societies such as ASBMR, IOF and others. This will include events, news and members’ achievements. We also want to help our members increase their visibility, so make sure you include “@ANZBMSoc” in your tweets so that we can re-tweet them!

*David Scott, Communications Committee*

**ANZBMS news as it breaks! Stay up-to-date!  
Interact with us! Like and share our posts!**





# Committee news

## Therapeutics Committee

### Members

Richard Prince	<i>richard.prince@uwa.edu.au</i>	Frances Milat	<i>fran.milat@hudson.org.au</i>
Alan Doube	<i>Alan.Doube@waikatodhb.health.nz</i>	Grahame Elder	<i>g.elder@garvan.org.au</i>
ANZBMS	<i>ijohnson@anzbms.org.au</i>	Nicholas Pocock	<i>n.pocock@unsw.edu.au</i>
Natalie Sims	<i>nsims@svi.edu.au</i>	Peter Simm	<i>peter.simm@mcri.edu.au</i>
Belinda Beck	<i>b.beck@griffith.edu.au</i>	Sabashini Ramchand	<i>sabs.ramchand@gmail.com</i>
Craig Munns	<i>craig.munns@health.nsw.gov.au</i>		

### Romsozumab

Thanks to ANZBMS members and others who wrote to the PBS re approving a rebate for Romosozumab (Evenity) at its meeting in March 2020 using criteria similar to those currently in place for teriparatide. Since that meeting advice, the Amgen company has been in discussion with the PBS to resolve important administrative details. The process has been slowed due to COVID 19. We all look forward to the introduction into practice of a new efficacious treatment for the prevention of further fractures in patients at high risk of ongoing fracture propensity.

The history is informative for those interested in registration of new pharmaceuticals in Australia. The TGA approved Romosozumab for use in Australia in June 2019 for treatment of osteoporosis in postmenopausal women at high risk of fracture and treatment to increase bone mass in men with osteoporosis at high risk of fracture. At previous meetings of the PBAC in November 2018 and July 2019 the application for PBS support had been rejected. On this occasion ANZBMS and others took the opportunity to provide independent comment on the seven concerns registered by the PBAC via the portal provided by the PBS for public comment.

The PBAC reports that for the March meeting they received “input from individuals (5), health care professionals (17) and organisations (8) via the Consumer Comments facility on the PBS website” a substantially higher number than at previous meetings. The contribution of ANZBMS was acknowledged as follows:

“The PBAC noted the advice received from the Australia and New Zealand Bone and Mineral Society (ANZBMS) Therapeutics Committee clarifying the likely use of romosozumab in clinical practice and highlighting the novel mechanism of action of this agent. The PBAC specifically noted that according to ANZBMS recent evidence has reported that the magnitude of increase of areal BMD compared to placebo is a statistically and clinically significant predictor of the magnitude of fracture reduction. In addition, the ANZBMS stated that for patients who would benefit from anabolic therapy but have contra-indications to teriparatide (e.g. those unable to tolerate the side effects of teriparatide or those with a previous history of radiotherapy), romosozumab may be a suitable alternative. The ANZBMS agreed with the view that clinicians should refrain from prescribing romosozumab in those at high risk of cardiovascular disease, in particular those with a history of myocardial infarction or stroke.”

For more information click [here](#).



# Committee news

## Therapeutics Committee

### Burosumab

The ANZBMS Therapeutics Committee continues to progress discussions with Kyowa Kirin Australia Pty Ltd regarding the use of Burosumab (Crysvita) for hypophosphatemic rickets in particular XLH. Currently, Burosumab is not registered for any indication by the Therapeutic Goods Administration (TGA) and is an investigational product in Australia. The Therapeutics committee has been working on this issue via a subcommittee to advise the Society and Kyowa Kirin.

**A new Senior Medical Science Liaison**, Dr Tiffany Bamford PhD, has been appointed to support the XLH therapeutic area at Kyowa Kirin Australia Pty Ltd.

**Regarding paediatric patients**, we are aware that Kyowa Kirin Australia Pty Ltd has in place a reactive 3rd party managed program to which clinicians may submit applications for SAS / compassionate access to burosumab for their paediatric patients with XLH >1-18yrs old. Upon request from a clinician, Tiffany may be able to provide further details ([tiffany.bamford.5j@kyowakirin.com](mailto:tiffany.bamford.5j@kyowakirin.com)). Our paediatric colleagues in APEG are developing a registry for their XLH patients that will provide an excellent resource for identifying best practice for the future.

**Regarding adult patients**, Tiffany is contacting senior scientist clinicians in each state to discuss the role of burosumab in adult practice.

The ANZBMS Therapeutics Committee continues to seek interest and advice from members to join the burosumab subcommittee with the aim of improving management in Australia and New Zealand for this rare debilitating chronic musculoskeletal disease. The topic the Sub-Committee continues to work on is developing current best practice guidelines in hypophosphatemic disorders in general and XLH in particular. The potential future role of Burosumab in management would be an important part of this initiative given the debilitating consequences of this disease.

**Thus, the Therapeutics Committee again puts out a call for ANZBMS members in each State to join the committee to provide input into developing such a document and perhaps studies.**

The requirements are interest, expertise, including both basic and clinical scientific expertise and clinical practice expertise. Please discuss this with Richard Prince prior to Committee approval.

**Resources** for those interested in this area are:

<https://www.frontiersin.org/articles/10.3389/fendo.2020.00338/full> a paper by Aaron Schindeler, Andrew Biggin and Craig F. Munns entitled "Clinical Evidence for the Benefits of Burosumab Therapy for X-Linked Hypophosphatemia (XLH) and Other Conditions in Adults and Children."

<https://pubmed.ncbi.nlm.nih.gov/32047911/>. A paper from the US entitled "Osteoarthritis, Osteophytes, and Enthesophytes Affect Biomechanical Function in Adults With X-linked Hypophosphatemia"

<https://www.nature.com/articles/s41581-019-0152-5> From our European colleagues "Clinical practice recommendations for the diagnosis and management of X-linked hypophosphataemia."



### Research Committee

The new Research Committee has been formed with the following colleagues: Rob Blank, Joshua Lewis, Tuan Nguyen (Co-Chair), Matthew Summer, Tania Winzenberg (Co-Chair), and Ayse Zengin, with the help of David Findlay. Thank you to the former committee members for their service: Paul Baldock, Natalie Sims, Jacqueline Center, Dorit Naot, Sharon Brennan, Jiake Xu, David Findlay, and Mark Forwood.

Over the past few weeks, the Committee has been working with Rachel Davey to review the ANZBMS awards. We have now modified the wording of criteria for each award to make them clearer. We are working on the criteria for student travelling award. This year, due to the online conference, the following awards will be postponed: Professor Philip Sambrook Award, ANZBMS International Award, and Christine and T J Martin Travel Award. However, applicants can still apply for all other awards that do not involve travel.

Applications close 14th August, further details listed under the Opportunities section:

<https://www.anzbms.org.au/grants-and-awards.asp>

Another key task of this research committee will be to develop a plan for how we might better advocate for better support of bone and related research.

*Tuan Nguyen and Tania Winzenberg  
Co-Chairs, Research Committee*

### ANZBMS Densitometry Course

Following the Federal Governments guidelines on social distancing, the ANZBMS densitometry course has been temporarily put on hold. We are working towards an online model for the course which will still allow the interactive workshops and personalised interaction with the DXA software. We are hopeful to have this working within the few months. Full details will be available through the ANZBMS web site.

*Nicholas Pocock  
Chair, Densitometry Committee*

### Communications committee

The Communications Committee was established earlier this year and consists of: Rachel Davey (Chair), David Scott, Natalie Wee, Paul Anderson (ANZBMS Secretariat) and representatives from each ANZBMS committee: David Kim (Clinical Practice), Weiwen Chen (Densitometry), Victoria Leitch (ECIC), Rob Blank (Research) and Richard Prince (Therapeutics). We would like to thank Paul Anderson (outgoing chair) and Ivone Johnson for all their hard work in managing ANZBMS communications prior to the establishment of this committee and excited that they will continue to serve on the new committee.

*Communications Committee*

## Opportunities

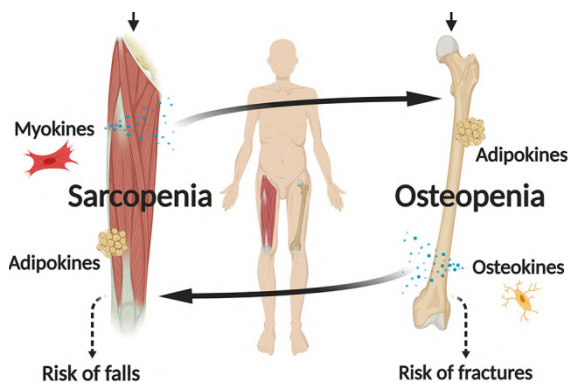
### ANZBMS Awards

- [ANZBMS Highest Rated Student Abstract Award](#)  
Applications close: 14th August, 2020
- [Roger Melick Young Investigator Award](#)  
Applications close: 14th August, 2020
- [Christopher & Margie Nordin Young Investigator Poster Award](#)  
Applications close: 14th August, 2020
- [Amgen-ANZBMS Outstanding Abstract Award](#)  
Applications close: 14th August, 2020
- [ANZBMS Kaye Ibbertson Award for Bone and Mineral Medicine](#)  
Applications close: 14th August, 2020
- [Sol Posen Research Award](#)  
Applications close: 14th August, 2020
- [The ANZBMS Career Achievement Award](#)  
Applications close: 14th August, 2020
- [Amgen OA-ANZBMS Clinical Grant Program](#)  
Applications close: 7th September, 2020

**Let us know about any opportunities or job vacancies that will be of interest to ANZBMS members at [newsletter@anzbms.org.au](mailto:newsletter@anzbms.org.au)**



# Member publications



## Editorial

### Osteosarcopenia: epidemiology, diagnosis, and treatment - facts and numbers

Ben Kirk, Jesse Zanker, Gustavo Duque. *J Cachexia Sarcopenia Muscle*. 2020.11: 609-618.

<https://doi.org/10.1002/jcsm.12567>.

Osteosarcopenia, the presence of osteopenia/osteoporosis and sarcopenia, is an emerging geriatric giant, which poses a serious global health burden.

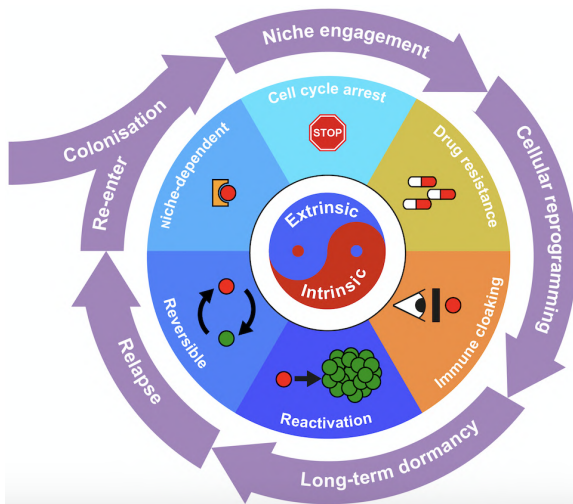
## Review

### The dormant cancer cell life cycle

Tri Giang Phan, and Peter Croucher. *Nat Rev Cancer*. 2020. 20: 398-411.

<https://doi.org/10.1038/s41568-020-0263-0>.

This review discusses the recent advances in identifying cancer cell dormancy hallmarks and regulation of dormancy by the niche. By describing the dormant cancer cell life cycle, it offers new ways of thinking about how to target these cells, using single or combination approaches, and translate the research into clinical trials to prevent cancer relapse.



## Original articles

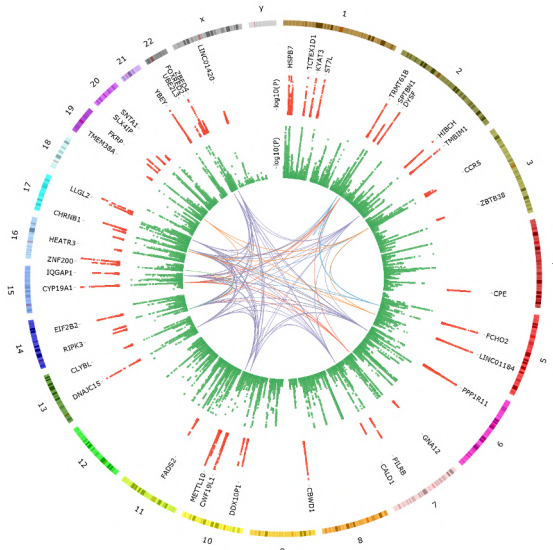
### Effects of supervised high-intensity resistance and impact training or machine-based isometric training on regional bone geometry and strength in middle-aged and older men with low bone mass: The LIFTMOR-M semi-randomised controlled trial.

Amy Harding, Benjamin Weeks, Conor Lambert, Steven Watson, Lisa Weis, and Belinda Beck. *Bone*. 2020. 136:115362.

<https://doi.org/10.1016/j.bone.2020.115362>.

Supervised high-intensity progressive resistance and impact training provides a positive stimulus to cortical bone at the medial femoral neck compared with supervised isometric axial compression exercise. Both preserve bone strength at the distal tibia and distal radius.





## Characterisation of genetic regulatory effects for osteoporosis risk variants in human osteoclasts

Benjamin Mullin et al. *Genome Biol.*2020; 21: 80.

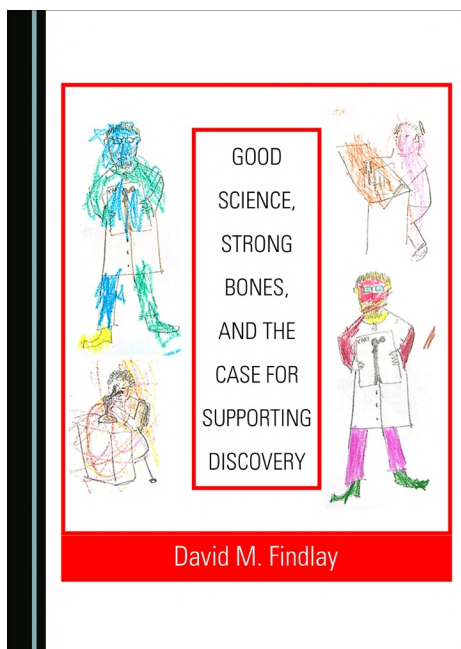
<https://doi.org/10.1186/s13059-020-01997-2>.

In this study, the authors integrated the summary results from a recently published genome-wide association study (GWAS) for estimated bone mineral density (eBMD) with those from their osteoclast expression quantitative trait locus (eQTL) dataset to identify potential effector genes for osteoporosis risk variants. Their results implicate a number of genes in the disease, including *CCR5*, *CPE*, *GNA12*, *RIPK3*, *IQGAP1* and *FLCN*, and highlight the *CPE* gene as a potential pleiotropic locus for type 2 diabetes and osteoporosis. The potential effector genes identified in this study will help target future translational studies.

## Book

### Good Science, Strong Bones, and the Case for Supporting Discovery.

David M. Findlay. 1st May, 2020. Cambridge Scholars Publishing.



"As a bone researcher for 40 years, I wanted to write about how scientific discoveries happen, the people who make the discoveries and the environment in which they can occur. I have used as an example a story that I followed closely, from little more than a hunch on the part of my mentor at the time (Jack Martin), all the way to a therapy that is now used by millions of people, in particular people with osteoporosis and some types of cancer. I have tried to make the story accessible to people who do not have specific training in science because often this information is presented in a way that makes sense only to an in crowd in a specific discipline. I wanted to tell the story (a) because it's a good one (b) to honour the people whose work led to the discovery (c) to show how discovery actually happens (d) to advocate and try to recruit more advocates for basic science and the funding to support it. The book will likely be of interest to researchers, graduate students with ambitions of becoming researchers, doctors and allied health workers who manage people with osteoporosis, as well as people with osteoporosis, or to people just generally interested in how good science works in the real world."

*David Findlay*

For a preview or e-copy, please go [here](#). For more information about the book and how to obtain a hard copy please go to: [Cambridge Scholars](#) or contact Professor David Findlay directly ([david.findlay@adelaide.edu.au](mailto:david.findlay@adelaide.edu.au))

# Meet our newest ANZBMS members

**Shanal Kumar**, Endocrinologist and PhD candidate



**Affiliation:** Monash Health and Monash University

**Research category:** Clinical

**Research Interests:** I am an adult endocrinologist and have recently commenced a PhD at Monash University. My main research interests are cystic fibrosis related bone disease and diabetes.

**What you hope to gain from joining ANZBMS?** Engage, network and collaborate with researchers with an interest in the endocrine and metabolic complications of cystic fibrosis.

**Emma West**, Research Assistant and PhD candidate



**Affiliation:** Deakin University, IMPACT Institute

**Research category:** Applied research

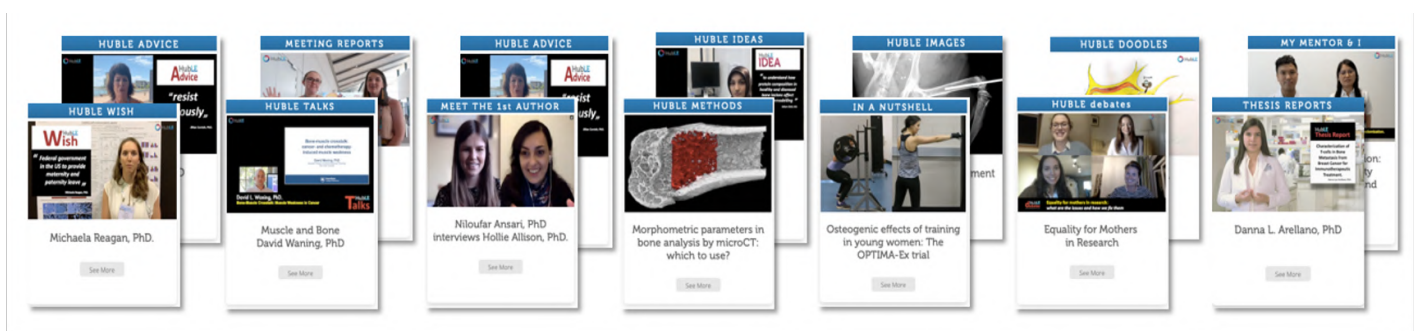
**Research Interests:** My PhD focuses on the interplay between musculoskeletal health and mental health in participants of the Geelong Osteoporosis Study.

**What you hope to gain from joining ANZBMS?** I hope to build meaningful connections with the ANZBMS community and stay up to date on developments in the field.



@Em\_CWest

## Learning, Sharing and Networking



HubLE is the International Federation of Musculoskeletal Research Societies (IFMRS) **international** and **educational new-investigator-led** open learning and sharing environment.

HubLE provides an **online open-access hub** for **New Investigators** to **learn** and **disseminate** their research findings using a plethora of features that include:

- **Educational lectures:** 'HubLE Talks'
- **Scientific articles and protocols:** 'HubLE My Mentor & I Perspectives' and 'HubLE Methods'
- **Opinion pieces:** 'HubLE In a Nutshell' and 'HubLE Snippet'
- **Educational video reports:** 'Meeting Reports', 'HubLE Ideas' and 'Thesis Reports'
- **Video interviews debates:** 'Meet the 1st Author' and 'Meeting Reports'
- **Interactive video discussions:** 'HubLE debates'
- **InfoGraphics:** 'HubLE Infographic', 'HubLE Images' and 'HubLE Doodle'
- **'HubLE Advice' video clips** by **leaders** in the musculoskeletal field





# Calendar of Events and Webinars

## ANZBMS EVENTS

### Glucocorticoid Induced Osteoporosis

Prof. Mark Cooper

ANZBMS Webinar

5th August 6:00pm AEST

Register: [here](#)

### Denosumab Cessation

Dr. Sabashini Ramchand

ANZBMS Webinar

Date TBA 6:00pm AEST

### Genetics of Osteoporosis

Dr. John Kemp

ANZBMS Webinar

5th August 6:00pm AEST

### ANZBMS Annual Scientific Meeting

Virtual Meeting

12th-14th October 2020

Website: <http://www.anzbmsconference.org/>

## AUSTRALIAN

### The Next Generation in Sarcopenia and Frailty Research Virtual Symposium

ANZSSFR Early-to-Mid Career FREE Virtual Symposium

8th August 1:00pm-3:30pm

Registration - Before 1st August 2020

Website: <https://anzssfr.org/future-meetings>

### ADS/ADEA Annual Scientific Meeting

Virtual

11th-13th November 2020

Website: <http://www.diabetescongress.com.au/>

## INTERNATIONAL

### ASBMR 2020 Webinar Series: Fortnightly Webinars

Details on topics and registration at: :

<https://www.asbmr.org/asbmr-webinar-series>

### World Congress on Osteoporosis, Osteoarthritis and Musculoskeletal Research IOF-ESCEO Virtual Event

20th-22nd August 2020

<https://www.wco-iof-esceo.org/>

### Clinical Case Workshop on Calcium Disorders & Chronic Kidney Disease and Bone Health

1st September 2020 04:00 AM AEST

Register: [here](#)

### IO - ASBMR Rare Bone Disease TeleECHO Program

Delivered virtually the first Thursday of each month 5:00AM AEST

Topics and registration details at:

[www.oif.org/ECHO](http://www.oif.org/ECHO)

### ASBMR 2020 ANNUAL MEETING

11th-15th September

Virtual Event; Free registration for all current ASBMR members

<https://www.asbmr.org/official-program>

### ECTS Webinars: Bone, Muscle & Beyond

17th September & 15th October 12AM AEST

Website: <https://ectsoc.org/events/>

### Orthopaedic Research Society 2021 Annual Meeting - Abstracts Due September 28th

13th-16th February 2021 Long Beach, California

Website:

<https://www.ors.org/2020annualmeeting/>

### European Calcified Tissue Society Annual Meeting 2020

22nd-24th October 2020 Marseille, France

Early Bird Virtual Registrations open August 2020

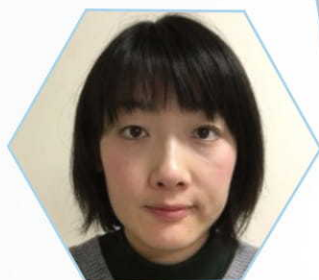
<https://www.ects2020.org/>

# 30<sup>TH</sup> AUSTRALIAN AND NEW ZEALAND BONE AND MINERAL SOCIETY ANNUAL SCIENTIFIC MEETING **VIRTUAL**

## 12<sup>TH</sup> - 14<sup>TH</sup> OCTOBER SAVE THE DATE

### INTERACTIVE ORAL & POSTER SESSIONS & VIRTUAL BOOTHS

RUNNING OVER 3 HALF DAYS INCLUDING PLENARY & AWARD SESSIONS



**Yuki Yoshimoto**

Specialy Appointed Research  
Associate, Hiroshima  
University, Japan  
*The functional role of  
Scleraxis in enthesis formation*



**Jennifer Byrne**

NSW Health Pathology  
Australia  
*Tissue Bio-banking  
in Research*



**Harald Jueppner**

Massachusetts General Hospital  
USA  
*PTH resistance syndrome*

**ABSTRACT SUBMISSION DEADLINE:**

**14<sup>th</sup> AUGUST 2020**

(deadline will not be extended)

**EARLY-BIRD REGISTRATION DEADLINE:**

**11<sup>th</sup> SEPTEMBER 2020**

[www.anzbmsconference.org](http://www.anzbmsconference.org)



**ANZBMS**