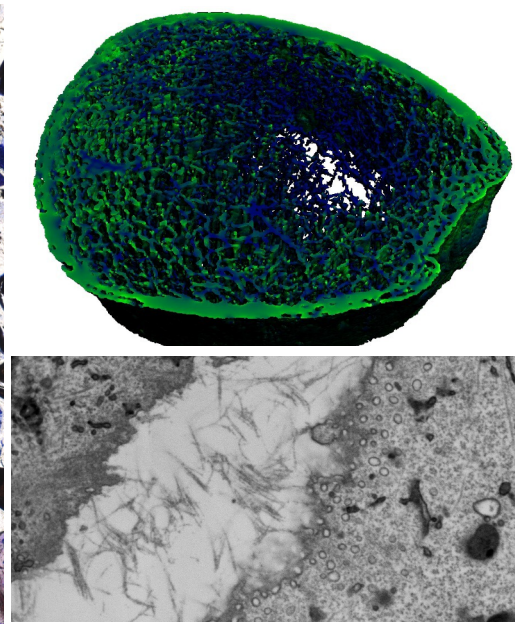
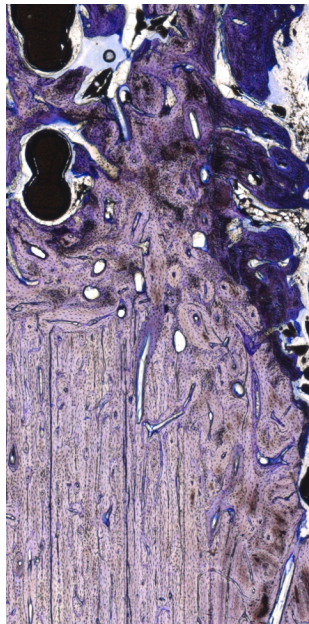
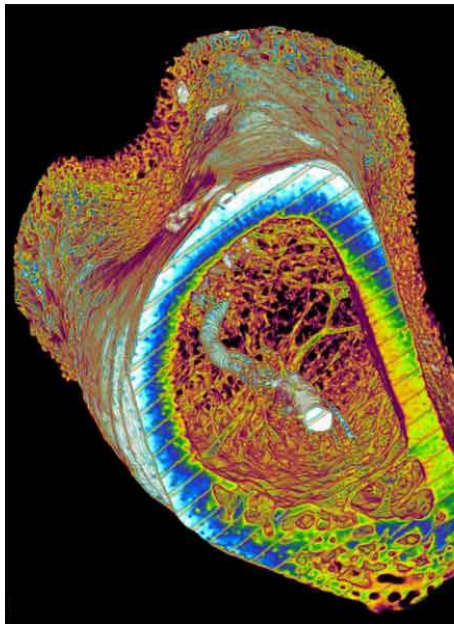
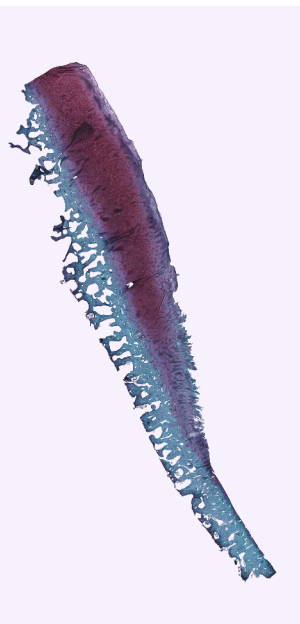




ANZBMS

ANNUAL REPORT 2022



**Australian and New Zealand
Bone and Mineral Society**

ANZBMS

145 Macquarie Street,
Sydney, NSW 2000

Email: ijohnson@anzbms.org.au

ABN: 69 072 086 894

Aims & Goals

The aims and goals of the Society are to:

- act as the principal professional body for scientists and clinicians involved in research and management of patients in the field of metabolic bone disease and mineral metabolism in Australia and New Zealand;
- act as the premier forum for the presentation of research and debate about clinical and metabolic bone disease in Australia and New Zealand; and
- advance the education of clinicians, allied health professionals and the public in the nature of and management of diseases impacting upon the skeleton.



PRESIDENT'S REPORT

ANZBMS Council and Committees

ANZBMS Colleagues, with the induction of a new Council for 2022-23, I thank outgoing Councillors: Peter Croucher, Jillian Cornish, Paul Anderson, Nathan Pavlos and Allison Pettit, for their contributions to management of ANZBMS. I particularly thank Natalie Sims for her leadership as President for the preceding 2 years. Natalie, Council and our Secretariat had a challenging period during the COVID19 Pandemic, managing the operations and standing of ANZBMS remotely for the duration of their terms. This included the two virtual scientific meetings, managed superbly by our POC and ASN colleagues. We also saw turnover of our committees during 2022 and I thank outgoing Chairs (Grahame Elder, Rachel Davey, Melissa Cantley, Nathan Pavlos, Tania Winzenberg, Michelle McDonald, Craig Munns and Christian Girgis) and their outgoing committee members. I also thank Richard Prince (Therapeutics), Tuan Nguyen (Research) and John Kemp (ECIC) who continue. Your work has been integral to the standing of our Society.

I also welcome the new Councillors: Melissa Cantley, Dawn Coates, Josh Lewis, Cherie Chiang and Michelle McDonald; and committee Chairs and members. It has been a pleasure working with all of them through this first year. It is within the committees that the key strategic planning and society business is performed, which is key to achieving ANZBMS objectives. Incoming Chairs are: Rachel Davey (Finance), Christian Girgis (Clinical Practice), Gustavo Duque (Meetings), Melissa Cantley (Communications), Nick Pocock (Densitometry), Bridie Mulholland (ECIC Co-Chair) and Ayse Zengin, Peter Simm and Hong Zhou (POC Co-Chairs). We also have the fantastic work of our Newsletter editorial team, led by Niloufar Ansari.

It is with regret that I note the resignation of Professor Gustavo Duque from his position as President-Elect and member of the Clinical Practice Committee. However, we congratulate Gustavo on his appointment as Kaufmann Chair in Geriatric Medicine and Director of the Centre for Research Excellence in Longevity at McGill University (Canada) and Investigator at the McGill University Health Centre Research Institute. I thank Gustavo for his excellent contributions to ANZBMS during his Council tenure and hope that

we can maintain ongoing collaborations from his new positions in Canada.

As a candidate for the position of President-Elect at the last election, and current Councillor, Council has endorsed the appointment of Professor Mark Cooper to the position of President-Elect. This recommendation should be ratified by the membership through the AGM.

Committee and Policy Outcomes

Our committees have worked to update Terms of Reference (ToR) and develop strategic objectives for 2022-23. Their achievements and activities are highlighted in the attached reports. I want to highlight the formalisation of the Densitometry Committee and ToR by Nick Pocock. The new ToR distinguishes the committee from the training course faculty. The ToR ensures mutual representation of committee on faculty and *vice versa*, ensuring continuity of policy and training content. The new Committee comprises Nick Pocock (Chair), Weiwen Chen, Gustavo Duque, Christian Girgis and Joseph Wong. I won't list faculty members here (see ANZBMS website), but I thank them for their service to the

Densitometry Course over a long period since 2005, including the “pivot” to a virtual training course in 2021. The course is recognised in all States, with the recent exception of SA, as suitable to apply for a DXA operator’s licence. The course is also recognised by The Australasian Association of Nuclear Medicine Specialists (AANMS) and the Royal Australasian College of Physicians (RACP) for DXA training of Nuclear Medicine and Endocrinology registrars, respectively. The course is a key educational platform for ANZBMS. With the Postgraduate Training Course for Advanced Trainees, these ANZBMS courses deliver excellent professional education to clinicians and allied health professionals.

Prior Councils have progressively added to our policy library to maintain good governance across a number of areas including our Code of Conduct; Equity, Diversity and Inclusion; and, Interaction with Industry. Although implied in the existing policies, we did not have a clear Conflict of Interest (COI) Policy for the leadership of the Society. Drawing on good governance sources, and exemplars from other societies (eg ASBMR), Council has now

drafted a comprehensive COI policy that will be supported by a Register of Interests and a Register of Gifts, Honoraria and other Benefits. ANZBMS Leadership will be required to maintain the registers on an annual basis while they hold office on Council or Committees. This initiative acts to strengthen the integrity and transparency of our office holders, and adhere to our obligations as an incorporated Society.

External Engagement:

The Society has had long-standing association with other scientific, clinical and patient-related organisations. Following Natalie Sim’s leadership, we have strengthened our relationships with the Bone Health Foundation, Healthy Bones Australia, International Federation of Musculoskeletal Research Societies (IFMRS) and maintained our affiliation with the IOF. Through these links the second round of ANZBMS-Bone Health Foundation Grants will be awarded in 2022, the Phillip Sambrook Award and the Amgen - Healthy Bones Australia - ANZBMS Clinical Grants Program were offered again in 2022; and Natalie Sims was elected to the Board of Directors IFMRS and Peter

Croucher to the Council. Our strong relationship with ASBMR has, of course, continued with Peter Ebeling’s Presidency throughout 2021-22.

2022-23 Objectives

In addition to the strategic objectives being lead through committees, one of my goals as President is to harness the collective strength of our musculoskeletal societies and foundations. I want to bring our musculoskeletal organisations together in a forum to identify the challenges for MSK research in Australia and New Zealand, develop a framework for collective advocacy to Government and funding agencies, identify knowledge and policy gaps in our region and facilitate mechanisms to share and improve access to useful resources, knowledge and networks. ANZBMS has a great depth of membership from our founding scientists and clinicians to a renewed Council and an active and motivated Early Career Investigator Committee. I want to draw on that experience to plan the forum and to review the Strategic Plan of ANZBMS to ensure that it is fit for the environment in which we currently work.

Return to “in-person” Scientific Meeting

Finally, we have our first face-to-face meeting in almost 3 years with ANZBMS-MEPSA-ANZORS together on the Gold Coast. The POC has developed an excellent program and the ANZBMS International invited speaker is Dr Andrew Burghardt, UCSF, an expert in high-resolution imaging and computational analysis of musculoskeletal tissues. Dr Timo Damm, University of Kiel, and Dr Monika Frysz, University of Bristol, join us as the ECIC Bridging Overseas Networking and Exchange (B.O.N.E) delegates; and we also have the popular ECIC sessions “Clinical Cases in Metabolic Bone Disease”, and the “Career Development session” will be *‘Building Resilience in STEM: Bouncing forward not just back from adversity’* delivered by the WALT Institute (very relevant to the challenges of the past 3 years). Combined with our high standard of musculoskeletal science, and the location on the Gold Coast, it is a fantastic meeting, and great to see so many colleagues back together.

Finally, I want to thank Ivone Johnson and Melissa Douglas for their executive support to Council, Committees and myself. Their collective experience and corporate memory is highly valued by each successive Council.

Motion: That the ANZBMS Appoint Professor Ian Reid and Professor David Findlay as Life Members of the ANZBMS

The ANZBMS, from time to time, recognises the contributions of members who have given extraordinary service to the society and who are leaders in the field of Bone and Mineral Research. This process requires a nomination, endorsed by ANZBMS Council, which is then approved by the membership of ANZBMS at the Annual General Meeting. I have nominated Professor Ian Reid and Professor David Findlay for recognition as Life Members of ANZBMS.

Professor Reid was one of the Founding members of the ANZBMS, and a recipient of the ANZBMS Career Achievement Award in 2019. Professor Reid took over the lead from his mentor and former ANZBMS leader, the late Professor Kaye Ibbertson, at the University of Auckland where he has created an internationally renowned

group in several important areas of basic and clinical bone and mineral research. Ian has led clinical investigation, while his long-standing colleague, Professor Jill Cornish, has led the Auckland Bone Biology Laboratory. This has been a synergistic and successful pairing of clinical and basic research. Ian has been both a pioneer and international leader in the investigation in the use of bisphosphonates to treat patients with both osteoporosis and Paget’s disease. Academically, Ian has been one of the most highly cited researchers at the University of Auckland and has served his University at the highest level, currently as Head, Department of Medicine and by appointment as Distinguished Professor, the University’s highest honour. He is a past-president of the International Bone and Mineral Society (IBMS) and ANZBMS, and recipient of research awards from the ECTS, ASBMR, ANZBMS and the New Zealand Prime Minister’s Science Prize.

Professor Findlay's outstanding national and international reputation as a scientist, mentor and colleague is evident in the field of musculoskeletal science. His contributions to the field span, bone cell biology of osteoblasts/osteocytes and osteoclasts, pathological bone loss, osteoporosis, osteoarthritis, peri-prosthetic osteolysis, cancer cell biology and hormone-receptor interactions and signal transduction. David has received numerous prestigious awards signifying his significant contribution to our field. Over the span of his career, David has contributed in many ways to the success of bone and musculoskeletal research in Australia and New Zealand. He has mentored and supported many young scientists who later became leaders in their own rights. Through his involvement with ANZBMS, IBMS, ANZORS, and other learned societies he has provided direction and inspiration to the field.

Motion: Due to the resignation of Professor Gustavo Duque from the position of President-Elect, that the ANZBMS membership ratify the appointment of Professor Mark Cooper to the position of President-Elect.



Professor Mark Forwood
President

TREASURER'S REPORT

Finance Committee

Rachel Davey (Chair)
Allison Pettit
Mark Cooper
Jill Cornish
Mark Forwood
Ivone Johnson

General Financial Result 2021-2022 Financial Year

2022 Member's funds =
\$999,174

2021 Member's funds =
\$982,419

The Society remains in sound financial position with funds remaining steady. In 2021, we diversified our portfolio by investing \$200,000 of members' funds into a managed fund (HUB 24) overseen by Mr Jason Dix (Carrington Financial Services). With a return in the first year of ~7.8% compared to the low returns on Term deposits (<0.4%), the Finance Committee committed an additional \$200,000 of members' funds into this managed account. Two of our term deposits with BOQ Specialist were consolidated and reinvested at a higher interest rate (0.65% vs 0.4%) for a fixed term of 6 months.

Overall Profit

\$16,755 Profit
(2021 = \$78,413 Profit)

Following Australian accounting standards, the Auditor assigns ASM revenues to the year received, and expenditure to the year when committed. Consequently, the gross income and gross expenditure in respect of each ASM will be reflected in the profit and loss account, as they occur, rather than simply recognising a 'net profit' of each individual meeting.

Investments (as of July 2022)

COMMONWEALTH BANK
Balance in Premium Business Cheque Account: \$280,136.24
Balance in Business online saver: \$686.69

BOQ SPECIALIST

Invested on: 6 April 2022
Maturity date: 3 October 2022
Interest rate is .65% p.a.
(Compounded at maturity):
\$255,030.06

RURAL BANK TERM DEPOSIT

Invested on: 28 May 2022
Maturity date: 28 November 2022
Interest rate is .45% p.a.
(Compounded at maturity):
\$50,549.06

HUB 24 managed fund (as at 26/7/22): \$396,955.00

TOTAL ACCUMULATED FUNDS: \$983,357.05

Expenses

Our society expenses remained stable for the 2021-2022 period:

Meetings - \$75,285
(2021 ASM = \$98,437)

Awards - \$30,550
(2021 = \$9,000)

Office - \$62,684 (Rent + salaries + office expenses etc)
(2021 = \$60,465)

Audit/Accounting - \$5,222
(2021 = \$4,892)

Income

Our society income decreased for the 2021-2022 period:

Sponsorship - \$11,364
(2021 = \$4000)

Meeting proceeds - \$75,575
(2021 = \$63,204)

Densitometry/Dexa courses - \$70,977 (2021 = \$101,991)

Advanced Clinical Postgraduate Meeting - \$21,341 (2021 = \$0)

Federal Government Grant - \$0
(2021 = \$23,500)

Membership and Subscriptions - \$62,732 (2021 = \$60,245).

Financial Members paid to 2022 = 280 total members.

Interest from term deposits - \$1,512 (2021 = \$3,644)

Investments - (\$33,078)
(2021 = \$12,612)

Profits from the Advanced Clinical Postgraduate Meeting Training Course and Densitometry Courses to be held in October 2022 will be reflected in next year's financial report.

Future directions

The finance committee are working together with the communications committee to develop a strategy to increase our member base as well as retaining existing members. One such initiative, which will be driven by the Communications Committee is to develop promotional videos that showcase ANZBMS and the benefits to its members.

An option to donate to the society is available on the website when membership is renewed. All donations made to the society will now be acknowledged in our annual report as well as on the website without a monetary value. An option for donators to remain anonymous has been added to the website.

The Society continues to invest all donations and any prior year surpluses back to the membership in the form of grants and training courses in accordance with the Society's strategic objectives.

I would like to offer my thanks to members of the Finance Committee, Ivone Johnson and Melissa Douglas for their guidance and support during my first year as Treasurer. On behalf of the society, I would also like to thank Nathan Pavlos



**Associate Professor
Rachel Davey
Treasurer**

for his commitment to overseeing the Society's finances as Treasurer for the past 6 years and for his continued patience and assistance as we navigate the bank's processes for change of signatory. Thank you also to Rod Laws of Tinworth & Co Chartered Accounts for overseeing the accounts.

THERAPEUTICS COMMITTEE

Current members

Richard Prince
Sabashini Ramchand
Peter Simm
Craig Munns
Nick Pocock
Fran Milat
Grahame Elder
Alan Doube
Belinda Beck

1 Familial hypophosphatemic rickets and burosumab

1.1 TGA

The Committee was informed that burosumab has been approved in Australia by entry into the Australian Register of Therapeutic Goods (ARTG) on the 17 September 2021 with the indication “Crysvita (burosumab) is indicated for the treatment of X-linked hypophosphataemia (XLH) in adults, adolescents and children 1 year of age or older.”

1.2 PBAC approval

An application for PBAC support for burosumab was made at the end of 2020 and in 2022. We are pleased to report that at its May 2022 meeting it recommended the inclusion of burosumab (Crysvita) for PBS Listing on the Pharmaceutical Benefits Scheme (PBS). The website states:

“The PBAC recommended the listing of burosumab for the treatment of patients with XLH. The

PBAC noted the high clinical need and previous strong consumer support for the listing of treatments for this condition. The PBAC considered that the incremental cost-effectiveness ratios for both the paediatric and adult populations were acceptable at the proposed price and that the proposed risk sharing arrangement was adequate to manage the risks associated with the uncertainties relating to the estimated financial impact to the PBS.”

This is important for clinicians treating the approximately 1000 patients with XLH in Australia New Zealand. For our science-based colleagues it may introduce the possibility of funding to further understand the disease process and management.

The precise timing of the PBS listing and the indications have not yet been released. However, it would be appropriate to begin to collect data to allow authority prescription that will almost certainly include a low serum phosphate and a low renal phosphate threshold and possibly an FGF23 level.

Second Kyowa Kirin has agreed to continue the pro bono supply of burosumab to over 60 children, adolescents and adults until the PBAC supported treatment is available. KK also continues to work productively with the Department of Health to have

these issues resolved to make burosumab available to patients through the PBS as soon as possible. This is evidence that the Society and its members can be effective in helping to introduce improvements in the health of our patients when we work together.

1.3 Familial hypophosphatemic rickets guideline working party

In 2021 the Committee progressed the concept of a Working Party by receiving approval from Council to support the initiative scientifically and by getting approval for a scientific grant of \$20000 administered by the non-profit organisation, the Arthritis and Osteoporosis Foundation of Western Australia. We have representatives from: Endocrine Society of Australia, Australian Paediatric Endocrine Group, Australian New Zealand Society of Nephrology (ANZSN), Australian Dental Association and XLH Patient Network.

The aims are to:

a. Develop diagnostic criteria for adult hypophosphatemic bone disorders especially adult XLH

b. Develop a framework for management guidelines of adult hypophosphatemic bone disorders (XLH) including transition to adult care

c. Develop a program to survey the prevalence of adult hypophosphatemic bone disorders, especially adult XLH

d. Work with the Australian Paediatric Registry to develop questionnaires suitable for adult participants to examine the potential of a combined paediatric adult registry.

Getting involvement of such a large number of groups is challenging. The advantage is that given the small number of patients involved it would be important to have an outline of an integrated management plan involving all specialists that might be involved.

A new secretariat has been appointed and plans for the next meeting in August 2022 are underway.

2 Primary hyperparathyroidism guidelines

The Therapeutics Committee was asked to comment on the extensive guidelines of a large committee lead by Mathias Grossman and Fran Milat. After several rounds of discussion, we were able to recommend that the ANZBMS approved this Position

Statement as a very helpful addition to the literature.

This has now been published and can be accessed through the ANZBMS web site at

<https://www.anzbms.org.au/policies.asp>

3 Romosozumab

I am pleased to be able to update the Society on the success of our support for the PBAC rebate for Romosozumab with the indication as a second line treatment after failure of at least one year's treatment with an antiresorptive. Members will remember the outstanding support the Society and individuals gave to support a rebate for Romosozumab, nearly two years ago, assisted in a PBAC approval for listing in April 2021.

The Amgen Company has recently applied for *an expansion of the indication* to the July meeting of the PBAC.

These are:

1. Expanded second-line PBS listing criteria: a bone mineral density (BMD) T-score ≤ -2.5 , (currently ≤ -3.0) AND at least one symptomatic new fracture after at least 12 months continuous antiresorptive therapy



Professor Richard Prince
Chair Therapeutics Committee

2. Proposed first-line criteria: a BMD T-score ≤ -2.5 AND a recent (i.e. last 24 months) hip or clinical vertebral fracture OR at least 2 (including 1 in the last 24 months) clinical fractures

Therapeutics and members provided input to the PBAC regarding these issues. We await their decision.

4 Conclusions

The Society should be proud of its direct involvement in patient advocacy. Given its success, Therapeutics is looking for new members to improve patient care by updating prescriber and patient knowledge.

RESEARCH COMMITTEE

Current members

Belinda Beck (ongoing)
Dana Bliuc (new)
Nick Hart (new)
Natalie Hyde (new)
Joshua Lewis (ongoing)
Rebecca Mason (new, co-chair)
Brya Mathews (ongoing)
David Musson (new)
Tuan Nguyen (ongoing, co-chair)
Lieke Scheepers (new)
Marc Sim (new)

We would like to take this opportunity to thank our outgoing members, Tania Winzenberg, David Findlay, Ayse Zengin, and Nigel Morrison, for their services and contributions.

BHF - ANZBMS Grant

This year, we received 6 applications for Grant-in-Aid. The Research Committee has assembled an assessment panel that includes representatives from ANZBMS Council (Allison Pettit), ANBMZ Research Committee (Rob Blank), Therapeutic Committee Professor (Richard Prince), Clinical Practice Committee (Gustavo Duque), Bone Health Foundation (David Findlay), NZ (Jillian Cornish), and panel chairs (Rebecca Mason and Tuan Nguyen). The assessment was based on three major criteria: scientific quality, significance & innovation, and research team. The result of assessment and

recommendation were forwarded to ANZBMS Council and Bone Health Foundation Advisory Board for final decision.

Christine and T Jack Martin Research Travel Grant

This year, we received 4 applications for the Christine and T Jack Martin Research Travel Fund. Due to the difficulty with travel in the presence of Covid, the award this year was a small amount towards conference or workshop costs. The applications were from Ahmed Saedi, Niloufar Ansari, Martha Bland, and Pholpat Durongbhan. The Committee recommended the grant be awarded to all 4 applicants.

For 2023, this award will return to its original format of a major travel grant. Applications have closed in 2022 for travel in 2023. Refer to the ANZBMS Web site for information and guidelines.

Sol Posen Award

The award is based on the best paper published in the 18 months prior to the closing date of the award. This year, we received 2 applications for the Sol Posen Award. Based on 4 criteria (scientific rigor, innovation, significance, and interest), all assessors were unanimous that the award should be given to Kai Chen for the work described in "Osteoblast-derived EGFL6 couples angiogenesis to osteogenesis during bone repair" (Theranostics 2021;11:9738-9751).

Kaye Ibbertson Award

The award is based on the productivity of the applicant, in terms of published clinical and/or basic research, in the field of metabolic bone disease. The award is based on the applicant's best 5 papers, of which the applicant is an author, in the last 8 years.

There were 3 applicants for this award. The assessment was based on 4 criteria: innovation / significance, author's contribution, journal prestige and citations. Based on these criteria, the winner was Natalie Wee.



**Professor Rebecca Mason and
Professor Tuan Nguyen
Co-Chairs Research Committee**

CLINICAL PRACTICE COMMITTEE

Current members

Christian Girgis (Chair)
Grahame Elder (Past Chair)
Jacqueline Center
Cherie Chiang
Mark Cooper
David Kim
Gustavo Duque (President-elect)
Mark Forwood (President)
Natalie Sims (Past President)

Membership

In 2022, after years of dedicated service in chairing the Clinical Practice Committee, Grahame Elder handed over the role of chair to Christian Girgis. Mark Cooper was invited to join the committee and the committee also comprises the current and former Presidents of the society, and the President-elect.

Strategic Objectives:

The committee took the opportunity to clearly state its strategic objectives and terms of reference to guide its activity, principally 1) to represent and engage with clinicians amongst the society's broad membership, 2) to promote educational activities, contributing to continuing professional development of society's members and 3) regularly appraise new guidelines and practice-changing publications, as presented to the society. These can be found in full on the society's website.

Engagement with NGOs and professional groups

In 2022, the CPC continued to build strong links with Healthy Bones Australia (representative Rebecca Mason), formally supporting a Commonwealth grant proposal for the education and prevention of osteoporosis, and assisting the current review of RACGP guidelines for osteoporosis. The CPC have engaged with the BoneHealth TeleECHO group (representative Jacqueline Center), a monthly meeting which seeks to connect clinicians with an interest in bone and mineral medicine. CPC engages regularly with RACP, through its representative Fran Milat, while Mark Cooper and Cherie Chiang continue to represent the society on the RACP Advanced Training Committee (ATC). Natalie Sims has maintained regular engagement with the Bone Health Foundation and David Kim with Bone Health NZ. Members of the Committee represented the society on IOF webinars dealing with IOF activities and projects, specifically fracture liaison service advocacy and resources.

Review of clinical guidelines and applications for regulatory approval

In 2022, the CPC were presented with and critically appraised clinical guidelines on the management of X-linked

hypophosphataemia, and a regulatory application on a new ultrasound-based modality for bone density measurement.

ANZBMS Clinical Postgraduate Meeting

After the success of the society's first virtual Clinical Postgraduate Meeting in 2021, the CPC has been hard at work for this year's meeting. This will take place over the weekend of October 29th and 30th. The committee has secured 12 excellent speakers for this virtual meeting, with 6 plenary sessions and 6 case-based sessions involving break-out rooms and an interactive component. A diverse range of topics, designed to attract a range of clinicians, has been designed. Although this meeting is designed for physicians-in-training, seasoned physicians seeking a "refresher" in bone and mineral medicine are also invited to attend. The committee is promoting this meeting widely and asks society's members to spread the word on this meeting to non-members and others with an interest in bone and mineral medicine. Full details and registration information can be found on the society's website.

We want to hear from you.The CPC is constantly looking for ways to better engage the society's clinical members. Please feel to reach out to us with any suggestions on ways we can engage with you on clinical matters, concerns or challenges in the practice of bone and mineral medicine. Please feel free to contact any of the committee's members or the chair Christian Girgis on christian.girgis@sydney.edu.au



**Associate Professor
Christian Girgis
Chair Clinical Practice
Committee**

PROGRAMME ORGANISING COMMITTEE

Current members

Ayse Zengin (Co-Chair)
Peter Simm (Co-Chair)
Hong Zhou (Co-Chair)
Emma Buckels
Jiake Xu
Marc Sim
Kathryn Stok
Mike Rogers
Natalie Wee
Aris Siafarika
Michelle McDonald (former Chair)
John Kemp
Melissa Cantley

The ANZBMS POC members have worked together to create a diverse, exciting and engaging program for this year's ASM.

With the support of ASN events, our committee have developed a program, with the aim to bring our members together to share recent research as we have not been able to gather face to face for the past 2 years. The final program offers a variety of innovative science, with a balance of basic, clinical and translational research including four joint sessions with ANZORS and MEPSA. We are delighted that 343 delegates (21 virtual delegates) have registered for this year's combined ANZBMS/ANZORS/MEPSA meeting, of which 162 were ANZBMS members.

Out of the 95 abstracts that were submitted, 20 were accepted for oral presentations, including 5 outstanding abstracts (supported by Amgen), 8 finalists for the Roger Melick Young Investigator award, 10 Christopher and Margie Nordin Young Investigator Poster Prize award and 9 accepted as plenary posters.

The first combined session was a plenary session titled Musculoskeletal Imaging, where our international invited speaker Andrew Burghardt (UCSF) presented, together with our national invited speaker Joshua Lewis (ECU) and finally one of the ECIC B.O.N.E Program speakers, Timo Damm (Germany). Each speaker presented on novel analyses of bone imaging devices. Andrew Burghardt spoke about high resolution peripheral quantitative computed tomography (HR-PQCT). Josh Lewis presented on using AI in determining abdominal aortic calcification via DXA vertebral scans. And finally, Timo Damm explained the intricacies of using AI in bone images.

Our committee also included sessions on allied health and consumer advocacy groups. The session titled Musculoskeletal Management: insights from consumer groups & allied health had two plenary non-ANZBMS

invited speakers. Ms Sandy Bevc who is the President of XLH Australia, gave her perspective of living with this condition. This talk was followed by Prof. Anne-Marie Hill (UWA) who is an academic physiotherapist who highlighted the impact of falls. The session titled Lifecourse management of musculoskeletal health: paediatrics to adulthood had two invited speakers – Jenny Harrington and Anne Trinh. Both speakers presented on paediatric conditions and how to transition them into adult care, and real-world clinic experience from a clinical perspective – going from paediatric to adult care. Finally, the Cancer and Bone session was a joint session with the following speakers: Michelle McDonald, Claudia di Bella and Ronald Sluyter.

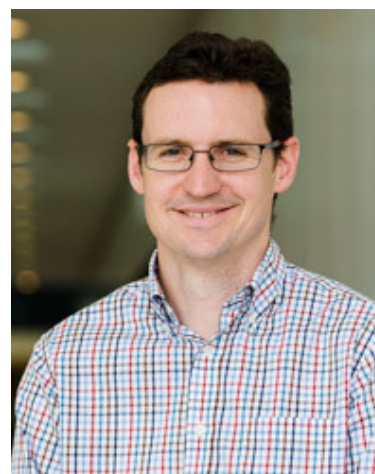
The ANZBMS Early Career Investigator Committee have again organised three exciting events for this year's meeting, a Clinical Cases of Metabolic Bone Diseases session, a speed networking event and a career development session held by the Walt Institute entitled Building Resilience in STEM: Bouncing forward not just back from adversity. The ECIC also held the trivia event Bones and Brews at the Kurrawara Surf

Club which was capped at 80 attendees and fully attended to capacity. This year we held the ANZBMS Great Debate: Therapeutics vs Exercise chaired by Craig Munns. Speakers for the therapeutics team were Peter Ebeling and Mark Cooper, and the exercise team were Robin Daly and Belinda Beck.

Having the 2022 meeting as a face-to-face conference enabled networking opportunities and free flowing discussion sessions, once again giving the full conference experience. There were some sessions that had live streaming which enabled virtual delegates to also contribute and ask questions. Masks were encouraged and worn by most delegates given the pandemic situation. Each session had two chairpersons one of which was an early career investigator and the other a more senior investigator. We had 2 speakers who tested positive to COVID19 and were not able to attend the meeting face to face. ASN Events organised for these talks to be presented live via Zoom and this worked well.

We are very grateful for the generous support from industry, our platinum sponsor Amgen, our gold Kyowa Kirin, and other sponsors (exhibitors) Echolight, GE, Gedeon Rochter, Getz Healthcare, Hologic, Materialised, Theramex. A detailed sponsors report will be

available on the following page. Without their support, this meeting would not be possible. We would like to thank all the members of the ANZBMS POC for their outstanding contributions, the session chairs, all members of the ECIC, Ivone Johnson and all others who have contributed to the meeting. In particular we would like to thank Jim Fawcett and the team from ASN events who have worked tirelessly with us to create our first face-to-face meeting in some time. The challenges this team have risen to have been extensive and their ongoing innovative support has been instrumental to the development of this outstanding program.



**Dr Ayse Zengin,
Dr Peter Simm &
Professor Hong Zhou
Co-Chairs Programme
Organising Committee**

MEETINGS COMMITTEE

Committee's Structure and Membership

Following Council's suggestion, the membership and structure of the Committee were changed according to the needs of the Society and to facilitate coordination with other Committees. The new structure focuses on all our academic meetings and involves not only our Annual Meeting but also our Postgraduate Training, Densitometry Course and online training (webinars, courses, etc.).

The following members started their tenure in late 2021:

Gustavo Duque (Chair)

Craig Munns (Member from previous POC)

Christian Girgis (Organiser of the Postgraduate Course)

Hong Zhou and Peter Simm (Members of the current POC)

Nicholas Pocock and Weiwen Chen (Organisers of the Densitometry Course)

The new Committee met on April 29th, 2022. All future events were discussed, and any potential issues were identified. Strategies for promotion and increasing/encouraging participation were also discussed.

Annual Meetings

ASM 2022

ANZBMS/MEPSA/ANZORS, 1-4 August, Gold Coast

Ready to go. Very solid scientific content and excellent speakers. The possibility of a hybrid meeting was discussed. Ninety-seven abstracts were received from ANZBMS. 44 were biomedical, and 53 were clinical.

ASM 2023, 22-25 October, Newcastle

Going well. Scientific content and potential speakers will be discussed right after the 2022 meeting in Gold Coast.

ASM 2024 ANZBMS/ESA/SRB, 29 Oct-1 Nov, Adelaide

A proposal to have a joint meeting with the International Bone Marrow Adiposity Society (BMAS) was supported by Council and will be discussed at BMAS Council at their next meeting in early August. Logistics and formal agreements will be addressed only if the idea is approved by all the involved societies, including ESA.

ASM 2025

A proposal has been tabled to have this meeting in Cairns. The idea has received strong support from the local Council, the State Government and the academics and universities in the area. The Vitamin D workshop will be asked to join us, possibly in Cairns in 2025.

Postgraduate Course (29-20 October 2022)

After the great success of our fully online course last year, this year's course will be a webinar with a similar structure and updated content. Registration is now live. The programme is finalised. There are 12 speakers, of which 7 are women. The programme comprises 6 case-based talks and 6 plenary talks. The fees are \$100 for ANZBMS members and \$175 for non-members. There is discounted registration and new ANZBMS membership for \$350.00 to encourage people to join the society.

Densitometry course

Online format for the course for the remainder of 2022. A face-to-face course is planned for the first quarter of 2023. The date and venue are yet to be finalised.

Webinars/online courses

Considering the busy schedule of online meetings and trainings, it was decided not to organise these activities in 2023. Instead, any online trainings or webinars organised by our members of partner societies will be promoted on our website.

I profit from this opportunity to present my resignation from the position of President-Elect and Chair of the Meetings Committee. It has been a pleasure and an honour serving the Society from this position for a year. Thanks to the members of the Committee for their friendship and support. I wish my successor total success in their planned activities.



**Professor Gustavo
Duque**
**Chair Meetings
Committee**

COMMUNICATIONS COMMITTEE

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.

Members

Melissa Cantley (Chair)

Sarah Hosking (social media editor)

Renee Ormsby (website)

Jiao Jiao Li (website)

Kara Anderson (general communications)

Rouha Granfar (social media editor)

Mark Cooper (ANZBMS Honorary Secretary and Clinical Practice Representative)

Ivone Johnson (ANZBMS Secretariat)

Niloufar Ansari (ANZBMS Newsletter Editor in Chief)

Weiwen Chen (Densitometry Committee Representative)

Rob Blank (Research Committee Representative)

Richard Prince (Therapeutics Committee Representative)

Thank you to outgoing Communications members Dr David Scott and Dr Natalie Wee (ANZBMS Newsletter Editor).

Dr Melissa Cantley took over the role of ANZBMS Communications Chair at the beginning of 2022.

Updates to Terms of Reference

The first action for 2022 was to update the committee Terms of Reference. The committee now includes 5 Ordinary members to enable more support for different initiatives – social media, website and general communications. The representative from the ECIC is still to be decided.

ANZBMS Newsletter

The Newsletter is one of our main forms of communication with our members providing updates on ANZBMS activities, highlighting member achievements and publications, and disseminating information on events including the ANZBMS Annual Scientific Meeting, webinars and other opportunities.

Thank you to the outgoing ANZBMS Editorial Board Members: Natalie Wee (Editor in Chief), Emma West, Nicolas Hart, Victoria Leitch

Current ANZBMS Editorial Board Members: Niloufar Ansari (Editor in Chief), Martha Blank, Madhuni Herath, Hanh Nguyen, James Smith and Yaser Peymanfar. Niloufar Ansari will step down after August, will need to identify a new Editor in Chief.

Upcoming issues will be in August and November 2022. <https://www.anzbms.org.au/newsletters.asp>

ANZBMS eNews

The eNews template has continued to be utilised to communicate news and information to members. This is compiled and sent out by Ivone Johnson in consultation with ANZBMS President Prof Mark Forwood.

Website

Renee Ormsby and Jiao Jiao Li have recently joined the Communications Committee and along with Ivone Johnson will be responsible for updates and changes to the website. We are organising a training session with the Webmaster for new committee members and also ECIC Communications subcommittee members. The Webmaster is also working on

a webpage style guide to ensure consistencies between pages and with formatting. In the general ANZBMS newsletter a section will be created to advertise the difference sections of the website e.g. award sections, committees, meetings etc to encourage member engagement with the website.

Updates and planned updates to the website: more turnover and regular updates to news sections, ensuring formatting and text consistency's throughout, all terms of reference are now pdfs, all forms will also be pdfs, updates to grants page so it's clear what different grants members are eligible for rather than just a list of all, calendar of events to be updated.

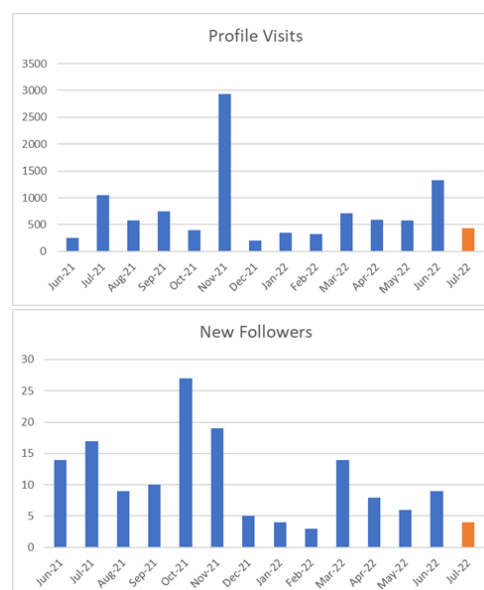
Social media

Sarah Hosking is now joined by Rouha Granfar as joint Social Media Editors looking after the ANZBMS Twitter account (@ANBZMSoc). Sarah and Rouha are currently working on a Calendar of events for Twitter: events will include: World Osteoporosis Day, NAIDOC week, International Women's Day, ANZBMS Densitometry course, ANZBMS Advanced Postgraduate meeting and others.

Sarah and Rouha regularly retweet all relevant information on webinars from other societies along with papers, awards for ANZBMS members. They have also been advertising the ASM events, program, deadline and ECI events.

We are currently taking part in the #LiftOffForBoneHealth Joint IOF/ESA social media Campaign. This campaign has been running since April and will continue until October 2022 with a monthly Tweet featuring key bone health related information. We are utilising these tweets to share work for ANZBMS mid and senior researchers through the general Twitter account (@ANZBMSoc) and ECIs through the ECIC twitter account (@ANZBMS_ECIC).

Twitter metrics from the @ANZBMSoc Twitter account are below. Profile visits and new followers increase in the lead up to the ASM and there is significant engagement during the meeting.



44 new followers for 2022.

June 2022 statistics

Tweets: 7, Tweet impressions: 4,434, Profile visits: 919, Mentions: 30, New followers: 8

ANZBMS Videos

The committee is currently working on promotional videos to showcase ANZBMS and encourage people to join. Kara Anderson who has recently joined the Committee to look after general communication initiatives will drive this. Two videos are being created, one will be all about ANZBMS and the other to encourage membership, sharing experiences and benefits members have received. This will involve members at all career stages. We would like to include mid-career and senior researchers who have come through ANZBMS throughout their careers. We will also obtain some footage from the ASM to include in these videos.

Other Communications

We were invited to showcase the society at the March 2022 WCO-IOF-ESCEO Virtual Congress. We utilised the previously developed display and updated the information and also put together an 'About the ANZBMS' brochure that can also be utilised for other meetings and events. This was a virtual display through the conference CNS virtual village depicting information about ANZBMS and our activities.

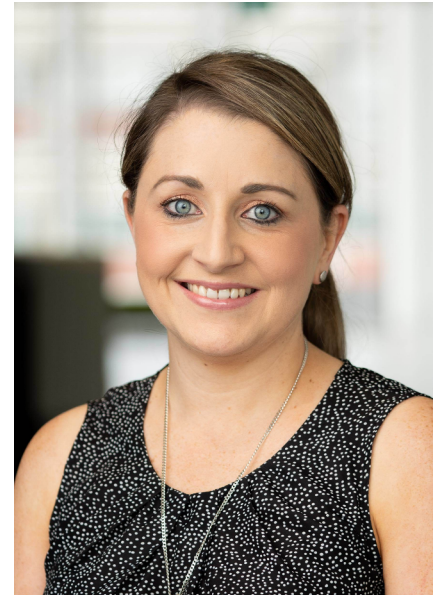
IFMRS newsletter update – we provided an update for the IFMRS newsletter including details on the ANZBMS-MEPSA-ANZORS 2022 Annual Scientific Meeting and the B.O.N.E program and will do this for the August issue.

<https://mailchi.mp/015f54accc05/ifmrs-update-september2021-13657686>

We have designed flyers to advertise ANZBMS events – including the Advanced Clinical Meeting. LucidPress is used to design these flyers that are then emailed out and posted on Twitter.

Other points of consideration by Committee

Discussing ways to confirm who the membership is (clinical/basic) to ensure we are communicating relevant information and ways to engage clinicians in other areas – rheumatology, geriatrics, allied health, haematology etc.



Dr Melissa Cantley
Chair Communications
Committee

DENSITOMETRY COMMITTEE

To better reflect the activity of the Densitometry Committee, and its relation to the ANZBMS Densitometry course, there has been a more formal structure established which is summarized below.

Densitometry Committee

The previous informal Committee which included members of the Course faculty has been diverged into a formal Densitometry Committee and Densitometry Course Faculty .

The role of the newly formatted Committee will be to provide advice to Council relating to relevant matters including but not restricted to:

- Provide advice relating to MSAC for possible new reimbursement item numbers for measurements related to bone density, bone strength and bone micro-architecture.
- Provide advice to council relating to new technologies related to bone density, bone strength and bone micro-architecture.
- Provide advice to Council for matters pertaining to training, licensing and availability of bone density, bone micro-architecture or bone strength. This role includes (non-executive) oversight of the ANZBMS Densitometry

course, including advice on curriculum development, content, and delivery.

The membership of the newly formatted Committee will include five or six members, comprising Council or ordinary members with appropriate expertise and interest. In addition there will be a representative of the ANZBMS Secretariat. The Chair will be appointed by ANZBMS Council. Members of the Densitometry Committee are appointed by Council for a two-year term, renewable for up to 2 terms (except when Council wishes to retain their services). At least one member of the Densitometry Committee must be from the Densitometry Course faculty and will report on changes to the delivery of the Course, as determined by the faculty.

Members

Nicholas Pocock (Chairman)
Christian Girgis
Chris Schultz
Weiwen Chen
Joseph Wong
Gustavo Duque

ANZBMS Densitometry Course and Faculty

Training Course Historically the course has been face to face since 2005 but due to Covid-19 the course has been held online since 2020. This has involved some innovative changes to provide virtual fully functioning DXA scanner software online. The online course has major advantages relating to costs and ease of access to registrants but suffers from a reduced ability to directly supervise the analysis techniques of the technologist registrants. The logistics of the DXA workshops of the course have been greatly helped by the setting up of online virtual DXA machines using an AWS platform. The development of the AWS platform has been carried out mainly due to work by Julie Briody and Chris Schultz. The Faculty plan in 2023 is to trial an alternating face to face only course in the first 4 months of the year, with a second online only course in September/October.

All lecturers and facilitators of the Densitometry course are now referred to as the ANZBMS Densitometry Course Faculty. Members are not appointed for any specific period, but to provide a seamless continuum, maintain their positions at their availability.

Decisions relating to the course are made by consensus involving all course lecturers and facilitators. Only active lecturers and facilitators take place in this process.

MSAC

In early 2022 there was a submission to MSAC for Medicare funding for Radiofrequency echographic multi spectrometry (REMS) for bone density measurement and determination of osteopenia/osteoporosis.

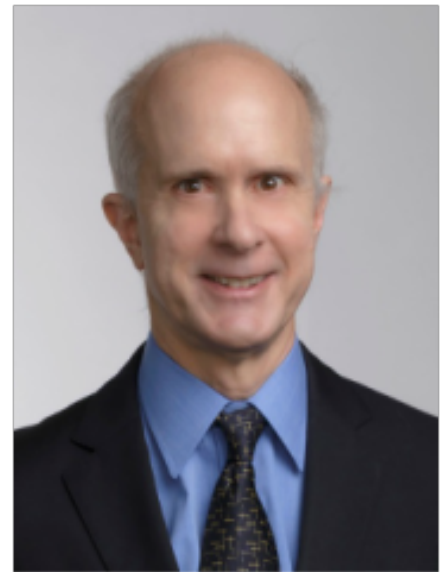
Numerous specialist bodies and Colleges, including the ANZBMS, submitted comments in relation to the above MSAC submission. In general while the Densitometry Committee saw a potential role for REMS in situations where DXA was not available, it did not support the general funding of REMS requested at this stage. The application was considered by MSAC in mid July 2022 and the result of the application is not available at the time of writing.

Emirates Society of Osteoporosis

The Emirates Society of Osteoporosis has approached the ANZBMS to potentially run an online course in December 2022 for their members. The ANZBMS, through the Densitometry Committee, is in active discussion relating to the logistics of advancing this proposition.

Body Composition Course

The ANZBMS has previously run a Densitometry Course specifically aimed at Body Composition. A number of bodies, including the Australian Institute of Sport, have expressed an interest in being involved in again running such a course. Discussions are continuing.



**Associate Professor
Nicholas Pocock
Chair Densitometry
Committee**

EARLY CAREER INVESTIGATOR COMMITTEE

2022 Early Career Investigator Committee Report

John Kemp and Bridie Mulholland - ECIC Co-Chairs

The specific objectives of ECIC are to:

1. To act in collaboration with the ANZBMS senior committee and foster active engagement of early career investigators within the ANZBMS.
2. To promote activities that engage early career investigators and senior members in open dialogue and collaborative initiatives.
3. To increase early career investigator awareness of research trends and application of new technologies in bone and mineral research.
4. To increase engagement of clinical trainees and improve training in bone and mineral metabolism.
5. Involvement in scientific and social programs at the ANZBMS Annual Scientific Meeting.
6. To foster science communication and engagement with the public.
7. To facilitate translation of scientific findings to industry and government.

2021-2022 ECIC Committee

Co-Chairs

Dr. John Kemp (QLD) and Dr. Bridie Mulholland (NSW).

Members

Dr. Emma Buckels (NZ),

Dr. Jiao-Jiao Li (NSW)

Dr. Niloufar Ansari (VIC)

Dr. Jack Dalla Via (WA)

Dr. Pamela Rufus-Membere (VIC)

Dr. Albert Kim (NSW)

Dr. Hanh Nguyen (VIC)

Dr. Lena Batoon (QLD/USA)

Dr. Kara Anderson (VIC),

Dr. Melissa Cantley (SA; ex officio member and ECIC POC representative)

Note: Dr. Alex Barker (SA) and Dr. Scott Youtlen (NSW) were nominated to the ECIC in 2021 but were unable to complete their terms citing changes in circumstance. Terms of reference were followed (Section 4.1.1 of ECIC Tor) and Dr. Pamela Rufus-Membere (VIC), and Dr. Kara Anderson (VIC) were identified as suitable candidates to fill the two vacant seats on the ECIC.

Subcommittee team leaders were nominated by members of each subcommittee.

- Dr. Lena Batoon: Communications (Previously Dr. Alex Barker)
- Dr. Emma Buckels: Career Development
- Dr. Niloufar Ansari: Events
- Dr. Albert Kim: Clinical

Changes to Terms of Reference Regarding Additional Role of the Communications Subcommittee

The ECIC Terms of Reference were updated to reflect an additional role of the ECIC Communications subcommittee; the Communications subcommittee will now prepare the ANZBMS Annual Report, with the remuneration used to support ECIC initiatives:

- 5.3, point 7 "Prepare the ANZBMS Annual Report by 2nd week of January of the following year for the Council to review."

Nomination of New ANZBMS ECIC Members for 2022-2023

Expressions of interest to join the ECIC were advertised on the 5 of July 2022. Applications received were only from Victoria and New South Wales. To improve chances of state and NZ representation, the ECIC has decided to extend the deadline for nominations beyond the ASM, enabling the committee to promote the ECIC at the ASM and motivate additional ECIs to apply.

Note: Due to the ANZBMS ASM being brought forward from November to August, the 2021-2022 term has been shorter than the traditional 12-month term, and thus the extension of the nomination deadline will allow current members to fulfill the two-year term as set out in the ECIC ToR.

Objective 1: To act in collaboration with the ANZBMS senior committee and foster active engagement of early career investigators within the ANZBMS.

The ANZBMS and the ANZBMS ECIC have been actively working to increase the engagement of ECIs within the Society. ECIs have been given the opportunity to co-chair sessions with senior members at

ANZBMS-MEPSA-ANZORS 2022. The number of ECIs involved in various ANZBMS sub-committees is also increasing and we continue to actively encourage this. The ECIC Co-Chairs also attend Council meetings as ex-officio members. The past Co-Chair of the ECIC acts as the ECIC representative on the ANZBMS Program Organising Committee and assists in developing the scientific program for the ASM in conjunction with the ECIC.

2022 POC & LOC

Ayse Zengin (POC Co-Chair) and Melissa Cantley (ECI representative), John Kemp.

ANZBMS Therapeutics Committee

Sabashini Ramchand.

ANZBMS Communications Committee

Melissa Cantley, Sarah Hosking, Renee Ormsby, Jiao Jiao Li, Kara Anderson, Rouha Granfar, Niloufar Ansari.

ANZBMS Editorial Board

Martha Blank, Madhuni Herath, Hanh Nguyen, James Smith, Yaser Peymanfar.

ANZBMS ECIC Newsletter Editorial Board

Laura Trainor, Mei Lin Tay, Jakub Mesinovic, Tian Nie, Shanal Kumar, Jason Talevski, Yinghong Zhou, Behnaz Azimi Manavi, Madhuni Herath, Lena Batoon.

For the ANZBMS-MEPSA-ANZORS 2022 there are 8 ECIs chairing sessions throughout the meeting.

Objective 2: To promote activities that engage early career investigators and senior members in open dialogue and collaborative initiatives.

Virtual Coffee Catch-Ups

Given the success of the Coffee Catch-ups in 2020 and 2021, we continued this initiative into 2022.

Coffee Catch-Up 1: 25 March 2022. EMCR's Perspectives into Securing Funding for Bone Research. Guest speakers: A/Prof Michelle McDonald from the Garvan Institute of Medical Research, Dr Melissa Cantley from the University of Adelaide. This event was a one-hour virtual panel discussion about tips and tricks for securing funding for bone research. There were 14 attendees, and the session was

engaging – Michelle and Melissa both gave valuable and honest feedback about how to navigate becoming an independent researcher as you progress through your career. This garnered significant interest from the group, and highlighted an interest in learning skills in negotiation, communication, and people management. During the discussion, attendees could ask their questions from the guests. Most questions were focused on how to form meaningful collaborations independently.

Poll questions for the coffee catch-up provided very valuable feedback and information related to the communication, in-person local meetings, Career Development Fellowship Coaching program, and ASM career development session.

We plan to have 2 more coffee catch-ups this year; in August, we will have a session focusing on science career pathways in industry. Our last coffee catch-up will be in November and will discuss philanthropic grant applications.

Local Bone Meetings

In response to the transition back to face-to-face work, the ANZBMS ECIC are facilitating local meetings in different states.

We have started discussing this initiative with local senior researchers to hold joint meetings of local research groups, if possible, for ANZBMS members, including ECIs.

Fellowship-Coaching Program

The inaugural Fellowship Coaching Program launched in August 2021. This initiative supported two early career investigators (ECIs) with their NHMRC Investigator Grant applications for the March 2022 round. The program focused on the research impact and the leadership sections of applications. The research proposal was not considered due to maintain confidentiality and respect the intellectual property of research projects.

Interested candidates completed an expression of interest form. Three expressions of interest were received, and only two were eligible (Dr. Yinghong Zhou and Dr. Renee Ormsby). The third was from a non-member. We approached several ECI and mid-career investigators (MCIs) with a successful record of competitive funding from within the society, and four agreed to be coaches. Drs. Melissa Cantley and Josh Lewis coached Yinghong and Drs. Michelle McDonald and David Scott coached Renee.

Through a mixture of Zoom meetings and written feedback, the MCI coaches gave two rounds of feedback to each applicant. Panels of senior members from ANZBMS then reviewed applications; eight researchers agreed to be part of these panel sessions. Each panel consisted of four senior members of the society, the two MCI coaches, and a representative from the career development subcommittee. The MCIs compiled the feedback given and passed this back to each candidate. Once incorporated, MCI coaches reviewed the applications one final time before applications were submitted to NHMRC for consideration in March 2022.

Since the conclusion of the coaching program, the career development subcommittee has conducted qualitative interviews with each set of coaches and applicants (one applicant meeting is pending). Questions in these interviews ranged from what the applicants and coaches liked, areas where we could improve the program in following rounds, and the logistics and organisation of the program. These interviews have been invaluable, and the feedback will strengthen future rounds of the Fellowship Coaching Program.

We plan to launch another round of the Fellowship Coaching Program after the 2022 ANZBMS ASM.

In recognition of the tremendous effort from the coaching teams, a small gift will be presented to each of the MCI coaches at the ASM. Their support has been invaluable, and the pilot program would not have been a success without their support. The gifts were purchased from The Green Stones Shop (<https://greenstoneshop.co.nz>) using funds from the ECIC. The total value of the 4 items was \$260 NZD (\$247.07 AUD). The identity of each gift has not been disclosed as two of the coaches are currently on the ANZBMS Council and will have access to this report prior to the award ceremony.

Objective 3: To increase early career investigator awareness of research trends and application of new technologies in bone and mineral research.

ECTS Academy Joint Webinar Series

The career development subcommittee has continued to strengthen links with the ECTS academy and negotiated a slot for an ANZBMS ECI to present in the ECTS ([link](#)) Webinar Series in early 2022.

Using the results of the ANZBMS ECI survey conducted in 2020, the career development subcommittee worked with ECIC co-chairs to identify and provide a short-list of potential speakers to the ECTS Academy. From this, the ECTS Academy selected Dr Ayse Zengin as a speaker. Ayse presented a talk titled “Musculoskeletal health in ethnic and underserved populations” in February 2022.

Our relationship with the ECTS Academy has been strengthened through this continued collaboration, and a system has been developed to identify potential speakers for this opportunity in future years.

The ECTS academy has negotiated a slot for an ANZBMS ECI to present in the ECTS Webinar Series in early 2023 and has already expressed interest for ECIs to speak. The ECI was identified from the previous short list of potential speakers obtained from the ECIC database.

ECI Database

The career development subcommittee, in conjunction with the wider ECIC established a database of ECI member profiles that enabled the ECIC to better understand the skill sets, expertise, and research interests of its membership. This database provides a fair and equitable

means for the ECIC to proactively identify and engage ECI members that are eligible for research and professional service roles that will ultimately improve their track record. These include but are not limited to: Invited national and international platform presentations, peer reviewing roles and awards. The ECI database has also enabled us to design and implement future initiatives that are aimed at boosting track records and encouraging collaboration within our society. These include a Fellowship and Coaching Program and a Skills and Resources Matching Initiative (TBA). The ECIC database currently contains information on 59 members and has already been used to identify the candidate for the 2022 & 2023 ECTS Academy Webinar Exchange. During this process the ECTS academy was provided with a list of members’ research areas and that information was used by the ECTS academy to identify a topic and speaker of interest.

Due to the success of the database, it is recommended that it should be moved to a format that allows individuals to update their profiles on a continuous basis as the current version is static and members are not able to update it without creating a new entry.

Objective 6: To foster science communication and engagement with the public.

ANZBMS Website

The ECI section is regularly updated by the ECIC Communications subcommittee to include the role of the ECIC and its members and to share ECI-related news, events, awards, newsletters, grants, scholarships and other ECI resources. The subcommittee recently revised the design of the ECIC section of the website to improve visual appeal.

ANZBMS Quarterly ECI Newsletter

The aim of the newsletter is to create a sense of community among the society' ECIs, highlight their work and disseminate relevant information. The newsletter editorial board is a separate entity to the ECIC with separate Terms of Reference.

ECIC Newsletter Editorial Board Members

2021/2022

- Alex Barker (SA), *Editor-in-Chief*
- Amy Ribet (WA)
- Behnaz Azimi Manavi (VIC), *Copy Editor*
- Madhuni Herath (VIC), *Copy Editor*
- Emma Buckels (NZ)

- Jakub Masinovic (VIC)
- Laura Trainor (SA)
- Mei Lin Tay (NZ)
- Shanal Kumar (VIC)

2022

- Alex Barker (SA)*
- Amy Ribet (WA)*
- Behnaz Azimi Manavi (VIC)*
- Madhuni Herath (VIC), *Copy Editor*
- Emma Buckels (NZ)*
- Jakub Masinovic (VIC)
- Jason Talevski (VIC)
- Laura Trainor (SA), *Editor-in-Chief*
- Lena Batoon (QLD/USA)
- Mei Lin Tay (NZ)
- Shanal Kumar (VIC)
- Tian Nie (VIC)
- Yinghong Zhou (QLD)

*Those whose terms have ended.

Two issues have been produced in 2022 so far with the next issue scheduled for release in September. The ECIC newsletters have allowed the society to celebrate the achievements of our ECI members. Feedback from polls has shown that ECIs do engage with the newsletters and enjoy reading them. LucidPress is utilised to compose the ECIC newsletters and members have found it to be fit for purpose. The published issues can be found here: <https://www.anzbms.org.au/eci-calendar.asp>

Social Media

Our twitter account (@ANZBMS_ECIC) is used as the main social media platform to keep ECIs informed of upcoming national and international events, conferences, awards and other information relevant to ECIs. The ECIC Communication subcommittee posts regular tweets including advertisements of the coffee catch-ups, RACP webinars and ECI events at the annual scientific meeting. We are getting increased numbers of retweets, engagement and likes on the account. Following the ANZBMS-MEPSA-ANZOR 2022 joint scientific meeting, we will introduce all new ECIC members on our twitter account. Currently, we have more than 530 followers.

We also use Twitter to disseminate bone-related information to the public and feature our ECIs and their research. For example, these past few months we have been actively involved in promoting the #LiftOffForBoneHealth awareness campaign by the International Osteoporosis Foundation and European Space Agency. This social media campaign is aimed to increase public awareness and spread the message about the importance of maintaining a bone-healthy lifestyle

throughout life to prevent the consequences of osteoporosis. We concomitantly use this platform to feature a number of our ECIs including their work that align with the messages of this campaign.

ECIC Promotion Video

The ECIC is in the process of putting together a short video that provides an overview of the ECIC and summarises some of the major achievements of the committee. The aim of this initiative is to advocate for the committee and maintain the enthusiasm of current and future members. The video will also be used for other promotional purposes including a video used to promote the larger ANZBMS society. Short videos have been recorded by past and present members of the ECIC, in addition to ECIs that have participated in various initiatives, such as the B.O.N.E Exchange. A draft of the video is currently being put together and edited.

Objective 4: To increase engagement of clinical trainees and improve training in bone and mineral metabolism.

Clinical Cases in Metabolic Bone Disease Seminar

This session consists of challenging clinical cases presented by experts. Each

presenter gives a clinical vignette followed by evidence, and this is followed by expert commentary, questions and discussion. It also allows clinical trainees to present at a national meeting, developing valuable communication skills and provide networking opportunities.

In 2022 the Clinical Cases sessions will be held as part of the ANZBMS Annual Scientific Meeting in Gold Coast, QLD. This year the 2022 Clinical subcommittee members were Albert Kim and Hanh Nguyen. 12 cases were submitted for the session with 6 given oral presentations. The Clinical subcommittee organised abstract reviewers and judges for the session. Albert Kim and Hanh Nguyen will chair the session. The scoring sheet for the session was also updated to increase the impact of the question time for the presentations.

RACP Webinar Series

This webinar is part of the Specialty Society Webinar Service that is being undertaken by the RACP in partnership with its affiliated specialty societies. Five webinars were arranged for 2022 with topics based on feedback from previous years' attendees. The webinar series

commenced in July 2022 and will continue monthly until October 2022.

Webinar 1: A/Prof Amanda Vincent – Menopausal Hormone Therapy and Osteoporosis

Webinar 2: Dr Anne Trinh – Bone Health in Neurological Conditions

Webinar 3: Prof Craig Munns – Bone Health in Young Adults

Webinar 4: A/Prof Nicholas Pocock – Interpreting Bone Mineral Density and Fracture Risk

Webinar 5: Prof Belinda Beck – Exercise and Bone Health

In previous years, these sessions have been well attended and feedback was positive, with attendees finding the content useful for clinical practice, engaging and of the right duration. Feedback and attendance statistics will be collected and reported at the end of the Webinar Series.

Objective 5: Involvement in scientific and social programs at the ANZBMS Annual Scientific Meeting.

The ECIC will host 3 events at the 2022 ANZBMS-MEPSA-ANZORS Annual Scientific Meeting:

Science at Speed: Networking Session

Monday 1 August 4:00pm - 5:30pm, Room 7, Gold Coast Convention Centre. This event is FREE for all delegates. This event aims to foster collaboration and networking across different disciplines and career levels. Each pair will be given 6 mins to pitch their research interests. Over the hour, each attendee will network with 10 people.

Bones & Brews Social Event

Monday 1 August 7:30pm - 10:30pm, Kurrawa Surf Club - 'Beachside' Old Burleigh Road, Broadbeach. Cost \$25 pp. This will be a casual drinks and dinner social event to bring together members at all levels from all three societies. The evening will feature trivia along with substantial but informal food and drinks.

ECIC Career Development Lunch

Tuesday 2 August 12:30pm - 2:00pm. Cost: \$25 pp (includes lunch and session). Building Resilience in STEM: Bouncing forward not just back from adversity. Hosted by the Walt Institute and supported by Griffith University and Menzies Health Institute Queensland. This is a workshop presented by Elizabeth and Christine from the WALT Institute. The WALT Institute specialises in coaching and training people in STEM, with a conscious focus on the enhancement of skills essential to personal and professional development. At past meetings, the Career Development sessions have largely focused on research-related skills; skills that are an intrinsic part of a research career, such as applying for grants and fellowships. This year, the ECIC has acknowledged the importance of soft skills – such as communication, leadership and moderation – and noted that ECIs are not often explicitly given the opportunity to enhance these soft skills. The session offered by the WALT Institute will focus on building resilience in STEM and how to bounce forward from adversity – it will provide attendees with useful strategies to manage adversity and improve resilience. This topic is particularly fitting given the many challenges ECIs have faced during the COVID-19 pandemic and recognises that many ECIs may be

feeling dejected after a difficult two years. As the first face-to-face meeting since 2019, we felt it was paramount that this session motivated, inspired and empowered ECIs.

Bridging Overseas Networking and Exchange Program - B.O.N.E Program

During 2021 the ECIC approached the American Society for Bone and Mineral Research (ASBMR) inquiring about a possible B.O.N.E Exchange program. Negotiations were successful and concurrent program will be trailed from 2022 – 2023. A memorandum of understanding was signed in and is available on request. Briefly, ASBMR will provide ANZBMS with a list of Young Investigator awardees from the previous year (2021) and one individual will be put forward to ANZBMS POC. In a reciprocal agreement the ANZBMS B.O.N.E awardee will be selected from ECIs that are awarded an ASBMR Young Investigator (YI) award and will present at the 2022 ASBMR meeting. ASBMR has agreed to reserve one YI for an Australian ECI.

In 2022 Timo Damm was selected as the ASBMR B.O.N.E recipient and will present at the ANZBMS-MEPSA-ANZORS 2022 meeting.

A second and concurrent B.O.N.E exchange initiated in 2021 with the UK Bone Research Society (BRS) will take place in 2022. Dr Marc Sim (Edith Cowan University, WA) was selected as the ANZBMS recipient to attend the UK Bone Research Society (BRS) meeting in July 2022. Monika Frysz (University of Bristol, UK) was selected as the BRS B.O.N.E recipient and will attend the 2022 ANZBMS-MEPSA-ANZORS ASM.

In summary, two B.O.N.E program awardees will be attending and presenting talks at the ANZBMS-MEPSA-ANZORS 2022 meeting.

Monika Frysz: Observational and genetic relationships between hip shape and hip osteoarthritis: findings from UK Biobank.

Timo Damm: AI-driven image classification of radiographic data for prospective fracture prediction – global state and current work at the I²Lab.

Concluding Remarks

We would like to thank all members of the ECIC for their valuable contributions and support in 2022.



**Dr John Kemp & Dr Bridie Mulholland
Co-Chairs Early Career Investigator
Committee**

ANZBMS 2022 LIFE MEMBERS

Congratulation to the new ANZBMS life members!

Ian Reid

Professor Reid was one of the Founding members of the ANZBMS, and a recipient of the ANZBMS Career Achievement Award in 2019. Professor Reid took over the lead from his mentor and former ANZBMS leader, the late Professor Kaye Ibbertson, at the University of Auckland where he has created an internationally renowned group in several important areas of basic and clinical bone and mineral research. Ian has led clinical investigation, while his long-standing colleague, Professor Jill Cornish, has led the Auckland Bone Biology Laboratory. This has been a synergistic and successful pairing of clinical and basic research. Ian has been both a pioneer and international leader in the investigation in the use of bisphosphonates to treat patients with both osteoporosis and Paget's disease. Academically, Ian has been one of the most highly cited researchers at the University of Auckland and has served his University at the highest level, currently as Head, Department of Medicine and by appointment as Distinguished Professor, the University's highest honour. He is a past-president of the International Bone and Mineral Society (IBMS) and ANZBMS, and recipient of research awards from the ECTS, ASBMR, ANZBMS and the New Zealand Prime Minister's Science Prize.



David Findlay

Professor Findlay's outstanding national and international reputation as a scientist, mentor and colleague is evident in the field of musculoskeletal science. His contributions to the field span bone cell biology of osteoblasts/osteocytes and osteoclasts, pathological bone loss, osteoporosis and osteoarthritis, peri-prosthetic osteolysis, cancer cell biology and hormone-receptor interactions and signal transduction. David has received numerous prestigious awards signifying his significant contribution to our field. Over the span of his career, David has contributed in many ways to the success of bone and musculoskeletal research in Australia and New Zealand. He has mentored and supported many young scientists who later became leaders in their own rights. Through his involvement with ANZBMS, IBMS, ANZORS and other learned societies he has provided direction and inspiration to the field.



ANZBMS 2022 AWARD WINNERS

ANZBMS/BHF Grant in Aid

ANZBMS and the Bone Health Foundation is pleased to announce the recipients of the ANZBMS/BHF Grant-in-Aid.

These \$25,000 grants were targeted to mid-career researchers (5-15 years postdoctoral) who were unsuccessful in a recent National Grant Round to provide funds to help make their work more competitive in a future grant round. We received many very high quality applications, which were scored by a panel of 7 experts. All applicants received feedback on their applications, which we hope will help them in preparing their future grant applications.

This year's awardees were:

Doctor Sandra Iuliano

The University of Melbourne

For the project: Evaluating the efficacy of a Bone-Health Nutrition Training Program for food service staff in aged care: a food-based approach to fracture risk reduction



Associate Professor Nathan Pavlos

The University of Western Australia

For the project: Unlocking the Therapeutic Potential of a Novel 'Dual Action' Target for Bone-Wasting Diseases



Congratulations to you both!

For more information about the Bone Health Foundation, please see <https://www.bonehealth.org.au/>

ANZBMS 2022 AWARD WINNERS

CHRISTINE AND T. JACK MARTIN RESEARCH TRAVEL GRANT

Previous recipients (travelled during 2022)

Ahmed Al Saedi

Australian Institute for Musculoskeletal Science
The University of Melbourne

At first, I truly would like to thank ANZBMS society and the selection committee for granting me this award. Receiving this award from Prof Jack Martin himself was a great honour in my young research career. I had used this travel grant (1000 AUD) to help me to cover part of the expenses to attend the American Society for Bone and Mineral Research (ASBMR) 2022 Annual Meeting at Austin Convention Center, Austin, TX, USA, September 9 - 12, 2022

With the help of this grant, I have presented two posters and had great discussions, learning, and proposed collaborations at the meeting which indicates that the award aims were achieved and the outcomes were realised. Part of these discussions and networking will help me to finalise the manuscript under writing and address all questions before submission. I believe such a support it will affectedly help young early career researcher to attend these meetings to expand their knowledge, collaborations and “sciencing”.



ANZBMS 2022 AWARD WINNERS

Martha Blank

Australian Institute for Bioengineering and Nanotechnology
The University of Queensland

I would like to express my deepest gratitude to the ANZBMS for offering me a Christine and TJ Martin Travel Grant in 2022. This grant provided me with the opportunity to undertake a laboratory visit at Professor Alan Rowan's group in Brisbane. His group focuses on bioengineered 3D matrices for various cell types including the osteocyte-like Ocy454 cell line. Prof Rowan's lab has spent years developing matrices and developed one that promotes osteocyte differentiation and mechanoresponsiveness. In this matrix, Ocy454 cells respond to mechanical stress, and closely resemble osteocyte morphology in vivo by growing distinct dendrites.



Osteocytes represent the majority of bone cells but are the most challenging bone cell type to study. During my PhD work, in Professor Natalie Sims' laboratory at the St. Vincent's Institute of Medical Research in Melbourne, I investigated osteocyte intracellular vesicles in 2-dimensional (2D) osteocyte cell cultures. However, my investigation has been difficult because our standard 2D cell culture system has two limitations: 1) non-confluent cells are undifferentiated and have not yet produced a matrix, and 2) differentiated cells have established a matrix around them and have grown confluent, making it impossible to visualise the intracellular trafficking.

The purpose of this visit was to improve my understanding of 3D matrices that are more physiologically relevant and learn Professor Rowan's methods for using a tuneable biomimetic hydrogel matrix for osteocyte growth and differentiation. These are optically clear, facilitating high resolution imaging, with the ultimate goal to establish the same method in our laboratory in Melbourne empowering me to achieve greater research outcomes.

In Brisbane, I was fortunate to work together with Dr Ally Choi and Mr Shiva Muthuswamy, who are currently using the 3D hydrogel to culture Ocy454 cells. I learned how to make up the gel from a powder and embed the cells and imaged the cell outlines and intracellular vesicles within the Ocy454 cells. Embedding the cells was successful, as they had formed long dendrite-like structures around the nucleus resulting in a more osteocyte-like phenotype.

In addition to acquiring the skills to make the gel and grow cells in it, I used this opportunity to meet with bone experts in Brisbane, to learn about their projects, and to share my data and receive their opinions on my current projects. I have received useful feedback that will help finalise experiments for my publications arising from my PhD project.

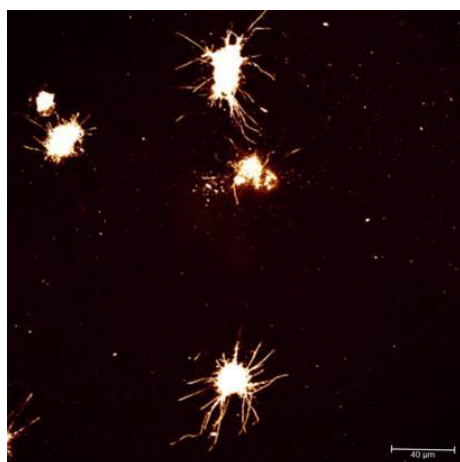


Figure 1. Ocy454 cells embedded in the improved 3D hydrogel with noticeable dendrites forming after differentiation.

ANZBMS 2022 AWARD WINNERS

Pholpat Durongbahn

Department of Biomedical Engineering
The University of Melbourne

I am grateful to the ANZBMS and Amgen for awarding me the Christine and T. Jack Martin Research Travel Grant to fund my participation in the Open and Reproducible Musculoskeletal Research (ORMIR) Workshop between 8th-11th June 2022 and the 23rd International Workshop on Quantitative Musculoskeletal Imaging (QMSKI) between 13th-17th June 2022 in the Netherlands. The positive outcome of this visit has had a significant impact on my personal perspectives and professional work progress.

Quantitative medical imaging to extract features from medical images is becoming increasingly common in the field of musculoskeletal imaging. Markers derived from computed tomography, magnetic resonance, and radiographs have been used to assess progressions in diseases such as osteoporosis and osteoarthritis. These advances, however, use a combination of software platforms and coding languages, which are often difficult to share and setup in a new research environment and hinder the pace of research and translation into clinical use. Thus, it is essential for these research software tools to be shared, accessible, and standardised to ensure reproducibility and reliability when implemented across the quantitative musculoskeletal imaging research community.



ORMIR is a community of researchers with interests in addressing this computational fragmentation in the field of quantitative musculoskeletal imaging. The community aims to make image analysis workflows open and reproducible by encouraging data and code sharing through open data repositories, open-source languages, and reproducible workflows and publications. With great initiative from Dr Serena Bonaretti, the community has been in constant communication and growing since July 2020 and involves musculoskeletal imaging research groups from around the world.

The ORMIR workshop I attended in the Netherlands was the culmination of extensive planning and was the first official in-person meeting for the community.

After a long period of virtual meetings throughout the pandemic, I was able to attend workshops on the Jupyter ecosystem - a web-based interactive computing platform combining code, narrative text, and visualisation. I learnt how to use Jupyter to publish manuscripts that allow the reader to interactively execute the attached image analysis workflow on their own computer and apply it to their own dataset with minimal setup. Workshops on 3D advanced medical image analysis and visualisation were also organised by Kitware, a technology company specialising in the research and development of open-source software in computer vision.

Musculoskeletal image analysis solutions were also shared during the workshop sessions. I found the module developed by Dr Sarah Manske's team that allows the conversion of CT images into different file extensions to be very helpful to my work in Australia. New modules such as the joint space analysis and contour correction tool were coded together during the workshop's hackathon sessions. Additionally, I also had the chance to share some of the solutions I have developed in Melbourne for quantitative morphometric analysis (QMA) of the joint.

ANZBMS 2022 AWARD WINNERS

After completing the ORMIR workshop, I participated in the QMSKI conference, where I observed many great techniques from other presenters and had the chance to meet many experts in the field of musculoskeletal imaging. I also presented my work on quantifying abnormal cortical bone surface remodelling in a rat osteoarthritis model and received many useful suggestions from the audience. The work was further polished and improved upon my return to Australia. At the time of this report's writing, I am currently preparing a manuscript to publish the workflow and report its result.

This was my first visit to an international scientific conference in-person since the COVID-19 pandemic began. On a personal level, it was a very refreshing experience for me to get to meet friends and collaborators, who had always appeared as boxes on my computer screens for many months. I was greatly inspired by their passion, ingenuity, and their heart-warming friendliness. I have made many friends and met many more new colleagues during this excursion. I have also broadened my perspectives and saw issues and potentials from a community level. During this trip, ideas were shared, solutions were presented, and collaborations were made. I am very proud and thankful to have been supported by the ANZBMS and Amgen with this travel grant.

ANZBMS 2022 AWARD WINNERS

KAYE IBBERTSON AWARD FOR BONE AND MINERAL RESEARCH

The award is based on the productivity of the applicant, in terms of published clinical and/or basic research, in the field of metabolic bone disease. The award is based on the applicant's best 5 papers, of which the applicant is an author, in the last 8 years.

There were three applicants for this award. The assessment was based on four criteria: innovation/significance, author's contribution, journal prestige and citations. Based on these criteria, the winner was Natalie Wee.

Natalie Wee

St Vincent's Institute of Medical Research



ANZBMS SOL POSEN AWARD

The award is based on the best paper published in the 18 months prior to the closing date of the award. This year, we received two applications for the Sol Posen Award. Based on four criteria (scientific rigor, innovation, significance, and interest), all assessors were unanimous that the award should be given to Kai Chen for the work described in "Osteoblast-derived EGFL6 couples angiogenesis to osteogenesis during bone repair" (Theranostics 2021;11:9738-9751).

Kai Chen

The University of Western Australia



ANZBMS 2022 AWARD WINNERS

ROGER MELICK YOUNG INVESTIGATOR AWARD

This award is presented to commemorate the contribution of Dr Roger Aziz Melick to endocrinology and student education.

Roger Melick died in November 1986 after a long battle with cancer. He trained in endocrinology with Fuller Albright, in Boston, and joined The Royal Melbourne Hospital as the third member of the foundation Department of Medicine. He was appointed Dead of the Clinical School in April 1979 and he was forced to retire because of his illness during 1986. Roger Melick was particularly known for his kindness, consideration and empathy for both patients and students. The prize is awarded annually to young members of the Society working towards a higher degree (including FRACP).

Kaitlyn Flynn

The University of Queensland



CLINICAL CASES IN METABOLIC BONE DISEASE SEMINAR AWARD

The Clinical Cases in Metabolic Bone Disease Seminar was established in 2018 to encourage clinical interest in metabolic bone research in junior clinicians. This seminar provides an opportunity for physician trainees to present their case and literature reviews to a national scientific audience. It is anticipated that each case will spark lively discussion regarding complex areas of metabolic bone disease, engaging both clinicians and scientists. The clinical cases session aims to foster interest in the bone field amongst advanced trainees and senior clinicians and hopes to engage them into the wider clinician-research network.

Lucy Collins

Western Hospital, VIC



ANZBMS 2022 AWARD WINNERS

CHRISTOPHER AND MARGIE NORDIN YOUNG INVESTIGATOR POSTER AWARD

This award is named in honour of the outstanding and major clinical investigations into disorders of bone and mineral metabolism made by Professor Christopher Nordin and his contributions to the ANZBMS. Professor B.E Christopher Nordin was a senior specialist at the Institute of Medical and Veterinary Science in Adelaide, and the man credited with drawing the medical community's attention back to the link between calcium deficiency and osteoporosis (brittle bones).

Prof Nordin did his medical training at University College Hospital in London, graduating in 1950. In 1952, he went to Hammersmith Hospital, the postgraduate medical school, where he developed an interest in the link between calcium and bone strength. After more than 20 years in Britain, many as director of the Medical Research Council's Mineral Metabolism Unit in Leeds, Prof Nordin moved to Adelaide in 1981 to take up a position at Royal Adelaide Hospital where, instead of retirement, he wanted the excitement of setting up a new osteoporosis research group.

Professor Nordin was also the World Health Organisation's calcium expert, a visiting professor of medicine and pathology at the University of Adelaide and an emeritus specialist in endocrinology at Royal Adelaide Hospital. Prof B.E.C Nordin's work was honoured by the American Society of Bone and Mineral Research by the Frederick Bartter award in 1998.

Selwin Gabriel Samuel

Mater Research Institute,
The University of Queensland



ANZBMS 2022 AWARD WINNERS

AMGEN OUTSTANDING ABSTRACT AWARD

Charles Inderjeeth

North Metropolitan Health & The University of Western Australia

"Treating osteoporosis and dementia with anti-dementia medication acetylcholinesterase inhibitors may have therapeutic benefits on osteoporotic bone by attenuating osteoclastogenesis and bone resorption"



Michael J Rogers

Garvan Institute of Medical Research

"Bisphosphonates may boost immune responses to pulmonary infection by acting on tissue resident macrophages in the lung"



Peng Liao

Shanghai Jiao Tong University Affiliated Shanghai Sixth People's Hospital

"Endothelial cells require mitochondrial transfer from osteocytes to promote vascularization in cortical bone"



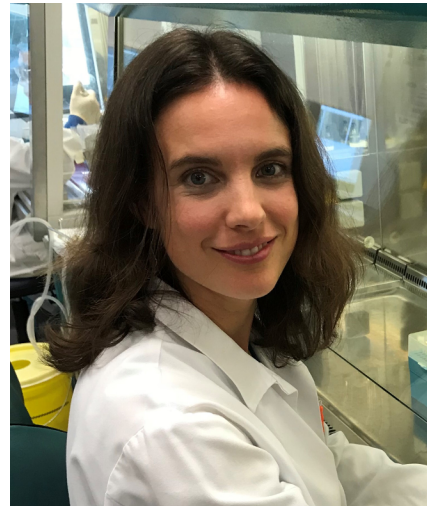
ANZBMS 2022 AWARD WINNERS

AMGEN OUTSTANDING ABSTRACT AWARD

Brya Matthews

University of Auckland

"Epidemiology of fractures in different ethnic groups across the lifespan in New Zealand"



John Eisman

Garvan Institute of Medical Research

"Fracture risk in women with osteoporosis treated with gastro-resistant (ec) risedronate versus immediate release risedronate or alendronate: a claims data analysis in the United States"



ANZBMS HIGHEST RATED STUDENT ABSTARCT AWARD

Tian Nie

University of Melbourne

"Estradiol increases bone mass and strength in a pre-clinical mouse model of male-to-female transition during adulthood"



ANZBMS 2022 AWARD WINNERS

BRIDGING OVERSEAS NETWORKING AND EXCHANGE (B.O.N.E) PROGRAM

The Bridging Overseas Networking and Exchange (B.O.N.E) Program is an ANZBMS Early Career Investigator Committee (ECIC) initiative, established in 2018, to address the limited opportunity and funds for invited presentations for early career investigators (ECI) in the musculoskeletal field. This program will boost ECIs track records, increase their exposure, provide travel support, and facilitate international networking and collaboration - together enabling more competitive track records for future funding opportunities.

This years recipients were:

Timo Damm

University-Hospital
Schleswig-Holstein
Germany



Monika Frysz

University of Bristol,
The United Kingdom



ANZBMS 2022 AWARD WINNERS

ANZBMS INTERNATIONAL TRAVEL AWARD for the HERBERT FLEISCH WORKSHOP (Brugge, Belgium) in November

This years recipients were:

Lena Batoon

University of Michigan

"Osteal macrophage efferocytosis of apoptotic osteoblasts induces bone formation"



Ye Cao

University of Auckland

"Dissecting adult human skeletal stem/progenitor cells by multi-colour flow cytometry and functional analysis"



Anoohya Gandham

Australian Catholic University

"Sarcopenia and its associations with fracture risk in Swedish older women from the Sahlgrenska University hospital Prospective Evaluation of Risk of Bone fractures-(SUPERB) Study"



ANZBMS 2022 AWARD WINNERS

ANZBMS CAREER ACHIEVEMENT AWARD

This esteemed award recognises outstanding and major scientific or clinical contributions, and excellence in teaching and service to and within the bone and mineral field.

Professor Rebecca Mason

University of Sydney



ANZBMS 2022 AWARD WINNERS

AMGEN-HEALTHY BONES AUSTRALIA-ANZBMS CLINICAL GRANT PROGRAM

The 2022 grant was awarded for the research of "Combining osteoanabolic pharmacotherapy with osteogenic exercise in women with postmenopausal osteoporosis/osteopenia" to:

Dr Shejil Kumar

Endocrinology Advanced Trainee
Royal North Shore Hospital



SAMBROOK YOUNG INVESTIGATOR TRAVEL AWARD

The 2022 grant was awarded to research presented on the developmental origins of musculoskeletal health at the World Congress for the Developmental Origins of Disease in Vancouver to:

Dr Natalie Hyde

Dean's Research Postdoctoral Fellow
Deakin University



AUSTRALIA DAY HONOURS

MEMBER (AM) IN THE GENERAL DIVISION

**Professor Tuan Van NGUYEN, Georges Hall
NSW 2198**

For significant service to medical research, to osteoporosis and fracture prevention, and to tertiary education.



ANZBMS MEMBER ACHIEVEMENTS

GIDEON A. RODAN EXCELLENCE IN MENTORSHIP AWARD RECIPIENT

Professor Ego Seeman, M.D.

Congratulations to Ego Seeman, M.D. for receiving the 2022 Gideon A Rodan Excellence in Mentorship Award! This award will be presented during the ASBMR 2022 Annual Meeting at the Austin Convention Center in Austin, Texas, USA.

Dr. Ego Seeman is Professor and Endocrinologist in the Departments of Medicine and Endocrinology, Austin Health, University of Melbourne, Melbourne, Australia. He completed his postdoctoral training under the mentorship of Professor BL Riggs of the Mayo Clinic. He has worked in the field of bone biology for 40 years studying the epidemiology, pathogenesis and treatment of bone fragility. His work has examined the role of growth of peak bone mass, macro- and micro-architecture as a forerunner of bone fragility in old age, the heritable nature of bone morphology in studies of twins and the offspring of women and men with osteoporosis. He emphasised the need to study the hierarchical morphological basis of bone fragility in the pathogenesis of bone fragility and the public health problem of osteoporosis in men as well as women. He is past President of the ANZBMS, and Associate Editor of Osteoporosis International. He has over 400 publications and has received awards including the Bartter Award from the ASBMR, the Distinguished Scientist award from the Austin Hospital, Medal of Achievement and Presidents Awards from the IOF, Haddad Award from IBMS, Inaugural Career Achievement Award from ANZBMS and Member of the Order of Australia.



"I thank the ASBMR Society for this recognition and great honour. I have mentored several students and thank Dr Sabashini Ramchand for nominating me for this award. Sabashini is completing her postdoctoral training and is now an independent investigator who now teaches me using her wonderful sense of bone biology. I express my deep gratitude to two giants of the field who supported my nomination, Professor TJ Martin who mentored me in my youth and continues to inspire me with his scholarship, and Professor John Bilezikian, first among equals at the round table of mentors. I have been privileged to be guided by luminaries, Professor Austin E Doyle, a man who electrified a room with his wit, intelligence and knowledge, by Professor B Larry Riggs, the Master of the Never-Ending Challenge of osteoporosis who has mentored over 50 leaders of our field and the great A Michael Parfitt, who blessed us all with his insights. If I have passed on only a tiny amount of the courage, intellectual rigor, imagination and scholarship given to me by my teachers, then I feel truly blessed. I hope I have honoured work that now honours me. I thank Natalie, my wife, who makes everything possible and everything worthwhile."

Ego Seeman, M.D

ANZBMS MEMBER ACHIEVEMENTS

AUSTRALIAN ACADEMY OF HEALTH AND MEDICAL SCIENCES FELLOWS

Professor Peter Ebeling



**PREMIER'S PRIZE FOR NSW EARLY CAREER RESEARCHER OF THE YEAR -
PHYSICAL SCIENCES**

NSW YOUNG TALL POPPY SCIENTIST OF THE YEAR

**TISSUE ENGINEERING & REGENERATIVE MEDICINE INTERNATIONAL SOCIETY
YOUNG INVESTIGATOR AWARD**

Dr Jiao Jiao Li



ANZBMS MEMBER ACHIEVEMENTS

ANZBMS-ECTS BRIDGING OVERSEAS NETWORK EXCHANGE PROGRAM (2022)

Dzenita Muratovic

University of Adelaide



ASBMR YOUNG INVESTIGATOR AWARDS (2022)



Tian Nie

The University of Melbourne



Renee Ormsby

Brigham and Women's Hospital



Amy Ribet

The University of Western Australia



Sabashini Ramchand

The University of Melbourne

ANZBMS MEMBER ACHIEVEMENTS

INTERNATIONAL OSTEOPOROSIS FOUNDATION ESCEO-AGNOVOS HEALTHCARE YOUNG INVESTIGATOR AWARD



Carrie-Anne Ng
Monash University



Mavil May Cervo
Monash University



Jakub Mesinovic
Deakin University

INTERNATIONAL OSTEOPOROSIS FOUNDATION NUTRITION AWARD



Mavil May Cervo
Monash University



Marc Sim
Edith Cowan University

ANZBMS MEMBER ACHIEVEMENTS

ALFRED DEAKIN POSTDOCTORAL RESEARCH FELLOWSHIP

Jason Talevski
Deakin University



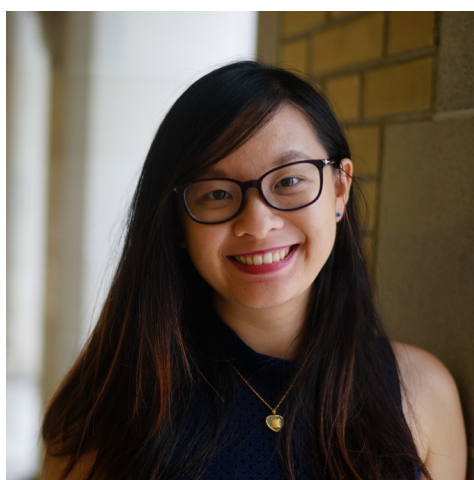
MAURICE AND PHYLLIS PAYKEL TRUST PROJECT GRANT

Emma Buckels
The University of Auckland



AUSTIN LIFE SCIENCES PRIZE FOR DISCOVERY RESEARCH

Tian Nie
The University of Melbourne



FUTURE MEETING

33rd Australian and New Zealand Bone and Mineral Society Annual Scientific Meeting



Image supplied by City of Newcastle

SAVE THE DATE 22nd – 25th October, 2023

Newcastle City Hall, New South Wales

www.anzbmsconference.org



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21/11/22)
(President-elect from
21/11/22)*
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Institute

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Whare Wānanga o Otāgo

Dunedin New Zealand,
Aotearoa

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Professor and Chair of
Medicine – Western Health

Director – Australian Institute
for Musculoskeletal Science
(AIMSS)

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SCHOOL, THE UNIVERSITY
OF MELBOURNE

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COUNCILLOR



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Chemical Pathologist,
Department of Pathology,
Royal Melbourne Hospital

Endocrinologist, Austin
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**Associate Professor
Natalie Sims**

St Vincents' Institute

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