



ANZBMS

2020

ANNUAL REPORT



**AUSTRALIAN AND NEW ZEALAND
BONE AND MINERAL SOCIETY**

ANZBMS

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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 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 affecting the skeleton.



PRESIDENT'S REPORT

PROFESSOR NATALIE SIMS

This report covers my first year as ANZBMS President. I have been delighted with the significant achievements of ANZBMS members over the past 12 months, in supporting and promoting research and practice in the bone field. It is remarkable how much is being done by ANZBMS members, and I encourage you all to read the attached reports prior to our AGM.

As I moved into the role of President, I reflected on the discussions we had at last year's AGM, and the responses to the survey of members, and developed some specific overarching objectives for my time as President. These were:

1. To increase engagement and involvement of our members in the activities of the society,
2. To improve communication within ANZBMS so that members are better informed about the society and better connected with each other,
3. To work together with related societies and organisations, both within Australia and Internationally, and
4. To commence activity in advocacy for bone research and improved patient bone health.

I share with you just a few highlights of the past 12 months.

Submissions to the PBAC for reimbursement for Romosozumab

Many members of ANZBMS made submissions to the PBAC expressing their opinions about reimbursement for Romosozumab. Thank you particularly to Richard Prince, chair of our Therapeutics Committee, who co-ordinated a response on behalf of the society, and to all those individuals who made submissions and encouraged their patients, and patient groups, to make a submission.

The information we received from the PBAC was that these submissions were very helpful in aiding their decision-making, particularly those submissions from clinicians who were involved in the clinical trials and knew the experience of patients with this new therapy, and from patients who expressed why this new therapy is important for their care.

Our new Communications Committee

To improve communication within the society we have established a new ANZBMS Communications Committee. This was established

very quickly, with Rachel Davey at the helm, and you will all (hopefully) have seen the first newsletter, as well as noticed the improvements to our website and regular emails to members. It's our hope that the newsletter, in addition to the Early Career Investigator Committee (ECIC) Newsletter, will help to provide better information about the society's activities and improve connection. If you have not received the newsletters in your emails from ANZBMS, please let Ivone know.

Our first virtual meetings and plans for future meetings

In the early days of the pandemic, after putting in a lot of work to establish a program for a combined annual scientific meeting with the international Vitamin D Workshop and MEPSA, we had to make the decision to shift our Annual Scientific Meeting to a Virtual Meeting. At the same time, the Densitometry Committee was developing ways to deliver densitometry training online.

The amount of work required to change these face-to-face meetings to an online format has been phenomenal. Many thanks to Michelle McDonald, Craig Munns and Christian Girgis, to Jim Fawcett

and team from ASN events, and to Chris Schultz, Julie Briody and Nick Pocock for ensuring these events continued to share knowledge and provide training in a very unusual time. We are hopeful that next year's meetings will be able to occur face-to-face, and with our new experience, these are likely to include a virtual component, since the advantages to those with small budgets, or at more remote locations is clear.

Our submission to the MRFF Priorities review and future plans for advocacy

A major concern of research-active members of the society is the poor level of funding for bone research in Australia and New Zealand, and for members who care for patients, the level of attention paid to bone disease is a matter of major concern. Although we have taken some action in the past, ANZBMS does not have a strong history in advocacy, but it has become clear we need to be more pro-active in telling our story so that funding levels improve, and the impact of bone health on patient health, including co-morbidities and mortality, are recognised widely.

The Research Subcommittee has been restructured and enlarged to enable this. With Tania Winzenberg and Tuan Nguyen establishing an Advocacy Working Group, the society has commenced this project with a submission to the review of the Medical Research Future Fund (MRFF) priorities. This is the first step of many. It will be a long road to improve the funding and profile of our field. In preparing the submission, Tania wrote the below paragraph, which

highlights the disparity in funding for musculoskeletal research. If you would like to be more involved, please contact Tuan or Tania.

"According to the Australian Institute for Health and Welfare (AIHW) "the leading causes of total burden of disease (DALY) in 2015 were cancer (18% of total burden), cardiovascular diseases (CVD, 14%), musculoskeletal conditions (13%) and mental & substance use disorders (12%)"¹. While these are all national health priority areas, and "have been consistently the main contributors [to disease burden] since 2003"¹, the differences in MRFF funding are stark. At 31/1/2020, MRFF funding to musculoskeletal conditions was \$4.27 million, compared to cancer (\$79.83 million); CVD (\$15 million) and mental health (\$33.39 million)²."

A new funding opportunity

In recognition of the low level of funding for our field, ANZBMS Council has been seeking additional opportunities to provide research funding to our members, particularly early to mid-career researchers.

In the next few months, keep an eye out for a new seed-funding scheme we are developing with the Bone Health Foundation. This, together with the Clinical Research Award supported by Amgen and Osteoporosis Australia, will provide a boost for researchers, and the scheme will include both clinical and basic science proposals. Many thanks to Paul Anderson for his role in developing this.

Additional thanks

As you can see, there is a lot happening, and many people have contributed. I thank all members of Council, for sharing their wisdom in decision-making, and for their work between meetings, particularly Ayse Zengin who is stepping down as co-chair of the ECIC to take on a new role in the Research Committee. I also sincerely thank our treasurer Nathan Pavlos, and Ivone Johnson and Melissa Dupavillon for supporting the day to day running of the society and keeping things on track.

What can you do?

You probably have ideas about what the ANZBMS can and should be doing. I would like to hear those ideas! Over the past 12 months, I have enjoyed having one-on-one meetings with members to hear what they are passionate about.

Please read the rest of the reports, think about what you would like to do, and contact me, or any of the chairs of our committees, to share your perspective. We would love to have you involved in our society's efforts to "promote excellence in bone and mineral research, foster the integration of clinical and basic science, and facilitate the translation of our science to health care and clinical practice".

¹ AIHW 2019. Australian Burden of Disease Study 2015.

² www.health.gov.au/resources/publications/medical-research-future-fund-mrff-grant-recipients



TREASURER'S REPORT

ASSOCIATE PROFESSOR NATHAN PAVLOS

General Financial Result

2020 Member's funds = \$904,006
2019 Member's funds = \$934,861

Despite the global COVID-19 pandemic, the society remains in a sound financial position with considerable funds conservatively invested.

Members Funds have declined marginally for the 2019-2020 financial year reflecting small returns on invested Members Funds and decreased revenue from sponsorship and courses.

Overall Loss

\$30,855 Loss
(2019=\$95,376 Loss, 2018=\$12,549)

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 recognizing a 'net profit' of each individual meeting.

Investments (as at October 2020)

COMMONWEALTH BANK

Balance in Premium Business Cheque Account \$405,525.41
Balance in Business online saver \$714.19

BOQ SPECIALIST

Invested on: 3 July 2020
Maturity date: 5 October 2020
Interest rate is 1.05% p.a. (Compounded at maturity) \$311,186.68

Invested on: 3 July 2020
Maturity date: 5 October 2020
Interest rate is 1.05% p.a. (Compounded at maturity) \$149,235.86

RURAL BANK TERM DEPOSIT

Invested on: 28 May 2020
Maturity date: 28 November 2020
Interest rate is 1.0% p.a. (Compounded at maturity) \$388,619.61

TOTAL ACCUMULATED FUND

\$916,652.14

Our conservative investment approach has helped the Society to weather the fiscal impact of the global COVID-19 pandemic.

However, this strategy will change in the foreseeable future as we look towards diversifying our investments and returns in managed funds (see Future directions), a decision driven by the historically low and stagnant interest rates (~1.0%), with Term deposits yielding a modest \$13,343 in 2019-20 with this income decreasing over time (\$19,928 in 2018-19) despite similar cash reserves.

Expenses

Our society expenses decreased for 2019-2020 period:

Meetings- \$355,783 (2019 ASM, \$395,576)
Awards- \$36,800 (2019, 39,544)
Office- ~\$91,740 (Rent + salaries + office expenses etc)
Audit/Accounting- \$5,268

Income

Sponsorship- \$0 (2019=\$20,000)
Meeting proceeds \$357,929 (2019=\$273,099)
ANZBMS satellite meetings (Densitometry/Dexa courses)- \$31,525 (2019=\$75,783)
Federal Government Grant \$16,000
Subscriptions- \$48,392 (2019=\$51,684)
Interest from term deposits- \$13,343 (2019=\$19,928)
Membership and subscriptions have reduced marginally over the last year (\$ 48,392, 2020; \$51,684, 2019). Financial Members paid to 2020 =312/440 total members.

The Society should also acknowledge the excellent contributions of the 2020 ASM POC, in particular to Michelle McDonald, Craig Munns and Christian Girgis and to Nick Pocock for overseeing the Densitometry Courses.

Future directions

For 2019-2020 we encountered a period of downturn in overall profits (\$30,855 Loss) but this is a considerable improvement from the previous

period (~\$95,000 Loss, 2019). This improvement has been partly offset by the Federal Government Grant (\$16,000) and increased proceeds from meetings combined with reduced meeting expenses for the 2019-2020 period.

The Society continues to invest its prior year surpluses back to the membership in grants and densitometry courses in accordance with the Society's objectives.

For 2020/21, our standard outgoings are projected to be similar with a modest profit anticipated from the 2020 Virtual ASM. The operating costs, venues and registration fees for future meetings will be carefully revisited as we plan to return to face-to-face meetings in 2021.

Alternative investment strategies have been explored in consultation with several financial planners. Council has agreed to invest \$200,000 of members' funds into a diversified balanced portfolio over a rolling three-year period managed by Mr Jason Dix (Carrington Financial Services).

I would like to offer my thanks to members of the Finance Committee, Ivone Johnson and Melissa Dupavillion who have provided excellent guidance and support to me and Rod Laws of Tinworth & Co Chartered Accounts for overseeing the accounts.



THERAPEUTICS COMMITTEE

PROFESSOR RICHARD PRINCE

CHAIR OF THE THERAPEUTICS COMMITTEE

The current members are:

- Richard Prince (Adult Endocrinology Perth)
- Sabashini Ramchand (Post graduate Student Boston)
- Peter Simm (Paediatric Endocrinology Melbourne)
- Craig Munns (Paediatric Endocrinology Sydney)
- Nick Pocock (Nuclear Medicine Sydney)
- Fran Milat (Adult Endocrinology Melbourne)
- Grahame Elder (Nephrology Sydney)
- Alan Doube (Rheumatology New Zealand)
- Belinda Beck (Director of Research, The Bone Clinic, Griffith University)

Romosozumab

Having played a pivotal role in advising the PBAC on the value of romosozumab through its independent portal, the Committee was delighted to hear that the concept of financial support for a rebate for romosozumab was approved at the March meeting. Since then negotiations within Amgen regarding supply have been proceeding. We look forward to success in the near future for this major advance in the management of improved skeletal structure in those with insufficiency.

Familial hypophosphatemic rickets

The Committee has approached ANZBMS Council to approve a plan to develop National Guidelines for the management of familial hypophosphatemic rickets in adults, an area that has not received much attention in the past. Given the new focus on the clinical management of the large number of rare and genetic disorders, this

initiative should be seen as the forerunner of guidelines for other disorders such as osteogenesis imperfecta.

The current agenda for the Working Party is:

- Develop diagnostic criteria for adult hypophosphatemic bone disorders especially adult XLH
- To develop a framework for management guidelines of adult hypophosphatemic bone disorders XLH including transition to adult care
- Develop a program to survey the prevalence of adult hypophosphatemic bone disorders especially adult XLH
- Work with the Australian Paediatric Registry to develop questionnaires suitable for adult participants to examine the potential of a combined paediatric adult registry.

Interestingly there are a large number of expert groups that should be involved in these diseases given its effect on many organs.

These include

- Australian and New Zealand Bone and Mineral Society (ANZBMS)
- Endocrine Society of Australia
- Australian Paediatric Endocrine Group
- Australian New Zealand Society of Nephrology (ANZSN)
- Australian Orthopaedic Society
- Australian Rheumatology Association
- Australian Dental Association
- Australian Physiotherapy Association
- XLH Patient Network
- Human Genetic Society of Australasia
- Australian Society of Otolaryngology Head and Neck Surgery

Getting involvement of a such a large number of groups will be 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.

Fragility Fracture Network (FFN)

The Committee was asked to comment on the involvement on ANZBMS in supporting the international Fragility Fracture Network (FFN). Given involvement of prominent Society clinicians and its sensible terms of reference the Committee advised it should be supported.



RESEARCH COMMITTEE

PROFESSOR TUAN NGUYEN & PROFESSOR TANIA WINZENBERG
CO-CHAIRS OF THE RESEARCH COMMITTEE

Committee

Belinda Beck, Rob Blank, David Findlay, Joshua Lewis, Brya Matthews (invited), Nigel Morrison, Matthew Summers (resigned), Ayse Zengin

Appreciation

We would like to take this opportunity to thank Paul Baldock and members of the previous Research Committee who have done a fantastic job and made our job easier. Matthew Summers has decided to leave academia, and he is resigning from the Committee. We thank Matthew for his contribution over the past 4 months and wish him all the best in the new venture.

Review of awards

We have worked with Rachel Davey to review the ANZBMS awards. As a result we have modified the criteria wording for each award to increase clarity. This year, due to the online conference, the following awards will be postponed: Professor Philip Sambrook Award, ANZBMS International Award, and Christine and T. J. Martin Travel Award. Applicants can still apply for other awards that do not involve travel.

Communication

The Research Committee worked with the Communication Committee on plans to raise profile of bone research and researchers. The idea is that each month, a member of the Research Committee will identify interesting / significant papers from ANZBMS members and summarise them in the monthly newsletter. Each month, we will try to interview an author about their research work, motivation, and funding support.

Scoring of applicants for awards

This year, we have received 8 applications for the Sol Posen Award and 5 applications for the Kaye Ibbertson Award.

For the Sol Posen Award, we scored applications based on 4 criteria: scientific rigor, innovation, significance, and interest.

For the Kaye Ibbertson award, we scored applicants based on 4 criteria: innovation / significance, author's contribution, journal prestige and citations.

Each criterion has 4 scores ranging from 1 for 'very poor' to 7 for 'outstanding'. Based on the scores given by the Research Committee's members, we have identified a winner.

Advocacy

The Australian Medical Research Advisory Board (AMRAB) is conducting a consultation to develop the Medical Research Future Fund (MRFF) Australian Medical Research and Innovation Priorities 2020-22. The Committee has formed a task group (Rob Blank, David Findlay, Peter Ebeling, Tuan Nguyen) to provide a response. We have also consulted with Greg Lyubomirsky at OA on this call and response.

At the time of writing this report, a draft document has been shared with ANZMUSC, ANZSSFR, ANZORS for further consideration. This response is our first step in working towards increased funding for ANZBMS-aligned research. The task is drawing extensively on Tania's experience on the Royal Australian College of GPs' Expert Committee – Research (RECR), where she worked successfully for improved funding for Primary Practice Research.



CLINICAL PRACTICE COMMITTEE

ASSOCIATE PROFESSOR GRAHAME ELDER
CHAIR OF THE CLINICAL PRACTICE COMMITTEE

Membership

Grahame Elder (Chair), Natalie Sims (president), Peter Croucher (past president), Gustavo Duque, David Kim, Jacqueline Center, Cherie Chiang

The Clinical Practice Committee aims to engage with other societies and professional colleges to promote research, scholarship and professional development in the area of musculoskeletal diseases. Some roles of the committee overlap with those of other ANZBMS committees, so we also aim to facilitate their agendas.

Continuing education

The Committee is collating information on upcoming educational events to notify members via the ANZBMS website and newsletter. Please let us know if you have planned events and want to further your reach to other members. The committee will coordinate the next Advanced Clinical Postgraduate meeting to be held in the 2nd half of 2021, which is planned as a virtual function with wider participation from endocrinology, geriatrics, renal, rheumatology, rehabilitation and orthopaedics. The committee will assist the communications committee with the selection

and distribution of relevant themed abstracts on topics of interest in their quarterly newsletters, particularly to highlight newer researchers.

RACP

The committee is discussing the planned Continuing Professional Development (CPD) changes proposed by the Medical Board of Australia and the MCNZ to the RACP. These proposals include requirements for a professional development plan (PDP) that differs from current CPD requirements. The committee will update members via the ANZBMS website as information is available and will feed back to the College members' concerns. Prof Gustavo Duque is the ANZBMS representative to the College.

Engagement with Osteoporosis Australia & NZ

The committee has discussed patient representation on research panels to provide consumer input. If you have a research project that requires such input, please contact the committee. Osteoporosis Australia is keen to include younger clinicians in its work and we will advise initiatives on the website. We are seeking

members willing to engage with those national bodies: contact us if you are willing to volunteer.

Osteoporosis refracture prevention

Links to tools for fracture prevention initiatives are already on the website but are not easy to locate. These, and a number of useful, additional tools, will be more prominent as the website is redesigned.

Engagement with other societies

There has already been one ANZBMS and ECTS exchange arranged by the ECIC. The committee has contacted the Singapore Osteoporosis Society regarding a potential exchange between academic units in Singapore and Australia or New Zealand in 2021, likely to be timed with the annual scientific meeting. The committee will also contact the Japanese Society. We will engage with the Royal Australian College of General Practitioners to improve GP awareness of osteoporosis management, including through Health Pathways, the RACGP Expert Committee on Research and the Australasian Association of Academic Primary Care.

PROGRAM ORGANISING COMMITTEE



**MICHELLE MCDONALD, CRAIG MUNNS & CHRISTIAN GIRGIS
CO-CHAIRS OF THE PROGRAM ORGANISING COMMITTEE**

ASM Virtual Meeting 2020

The ANZBMS POC (Michelle McDonald, Co-Chair; Craig Munns, Co-Chair; Christian Girgis, Co-chair; David Findlay, Brya Matthews, Peter Simm, Tara Brennan Sperzana, Julia Kuliwaba, David Scott, Rachel Davey, Rory Clifton-Bligh, Ayse Zengin (ECIC), Sabashini Ramchand (ECIC), John Kemp (ECIC) and Melissa Cantley (ECIC) have worked together to create what we hope will be an exciting and engaging program for this year's inaugural virtual ASM.

In response to the global COVID-19 pandemic and resulting restrictions on travel and large gatherings, the POC were presented with the challenge of creating a high level and comprehensive ASM via a completely virtual platform.

With the support of ASN events and the ANZBMS Research

Council our committee has ventured into new territory and developed our first virtual program, with the aim to bring our members together to share recent research and offer an interactive experience to help them overcome the isolation we have all felt these past 7 months.

The final program offers a variety of innovative science, with a balance of basic, clinical and translational research. We are delighted that 301 delegates have registered for this year's ANZBMS meeting, evidence that we are all embracing the current situation as a new way forward, rather than an unexpected road block to our success.

We are very fortunate to have 3 prestigious international speakers including Harald Jueppner (USA), Mary Bouxsein (USA) and Yuki Yoshimoto who is the ANZBMS/JSBMR B.O.N.E early career investigator

exchange (Japan). The aim of this initiative is to promote the international profile of early career investigators of the ANZBMS and JSBMR. Further, with the support of Amgen, Mary Bouxsein (USA) will be delivering a presentation in the Amgen lunch symposium.

Kyowa Kirin are supporting a lunch time symposium of X-link hypophosphataemic rickets, with a focus on transition and management of the adult. In addition, we are lucky to have one of our national invited speaker Professor Jennifer Byrne who leads the NSW Health Biobanking Program. We are also showcasing the work of 3 prominent ANZMBS member invited speakers from Australia and New Zealand (Khoon Lim – NZ, Ego Seeman – AUS and Sabashini Ramchand – AUS).

Out of the 120 abstracts that were submitted, 24 were accepted for oral presentations,

including 5 outstanding abstracts and 8 finalists for the Roger Melick Young Investigator award. Another 12 were selected for plenary "podium" posters and the remaining 84 as online e-posters. Given the success of last year's new mini-oral session, the 8 Christopher and Margie Nordin Young Investigator Poster Prize award finalists were also included in the program.

The ANZBMS Early Career Investigator Committee have again organised three exciting events for this year's meeting, a clinical case on metabolic bone diseases session, a stop collaborate and listen smoothie networking event and a career development seminar focussed

on achieving fellowship success. Although the absence of face to face sessions, networking opportunities and free flowing discussion sessions makes for the full conference experience we all know so well, the POC have worked closely with the team at ASN events to establish a comprehensive virtual program.

With interactive Q&A, programed sessions for posters and a platform which facilitates delegate to delegate contact we hope this provides delegates with the opportunity to maximise their experience at the meeting. We are very grateful for the generous support from industry, our platinum sponsor Amgen and

Kyowa Kirin, and our silver sponsor Hologic, who 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 virtual meeting. The challenges this team have risen to have been extensive and their ongoing innovative support has been instrumental to the development of this program.





MEETINGS COMMITTEE

PROFESSOR MARK FORWOOD

CHAIR OF THE MEETINGS COMMITTEE

1

ANZBMS-VDW-MEPSA 2020

Rescheduling to August 1-4, 2022

All three parties are happy to go ahead with holding this joint meeting from 1-4 August 2022 at the Gold Coast Convention Centre. The Vitamin D Workshop has indicated a desire for more integration into the programme. There is now time to do this with the 2022 date. Planning has not commenced among the Societies and VDW.

2

ASM 2020 – Virtual conference

The conference is scheduled for the 12-14 October with Conference management by ASN, utilising Delegate Connect as the online conference platform. This platform enables delegate, sponsor and exhibitor communication. At 2nd October, there were 290 delegates registered, and 119 abstracts were submitted. The meeting will deliver the full suite of ANZBMS prizes and awards. At the 2nd October, a surplus is projected for the meeting budget, which will depend on the final registration count. Amgen and Kyowa Kirin are on board as Platinum Sponsors (\$15,000) and Hologic agreed to support the meeting as a Silver Sponsor (\$3,500).

The programme format will be three half days and is now published on the ANZBMS Meetings website. The ECIC were heavily involved with this meeting and have developed an excellent Early Career program of meetings and events

3

ASM 2021

Combined meeting with ESA-SRB 1st - 24th November 2021

To be held at the Melbourne Convention Centre – planning yet to commence, awaiting successful completion of 2020 Virtual Meeting.

4

ASM 2023

Held with ESA/SRB and other groups Adelaide, 29 Oct-1st Nov

5

New POC 2022 and beyond

A new POC should be found in early 2021. Michelle and Craig will end their POC chair term at the end of the 2021 meeting. They will hand over all relevant information to the new POC and provide advice if needed.

6

Other meetings update (Endocrine trainees/Densitometry)

Mark Cooper was concerned that trainees completion could be affected by reduction in available meetings. However, the ECIC and Clinical content of the ANZBMS virtual meeting and ESA virtual meeting should provide sufficient content for ongoing professional development for trainees.

Nick Pocock postponed the densitometry course and re-developed for online content, 7-8 November 2020. Good registrations received to date. Planning for an Asia and Oceania Early Career Meeting is currently on hold.



COMMUNICATIONS COMMITTEE

RACHEL DAVEY

CHAIR OF THE COMMUNICATIONS COMMITTEE

Current members:

Rachel Davey (Chair)
David Scott
Natalie Wee
Paul Anderson (ANZBMS Secretariat)
David Kim (Clinical Practice Committee Representative)
Weiwen Chen (Densitometry Committee Representative)
Victoria Leitch (ECIC Committee Representative)
Rob Blank (Research Committee Representative)
Richard Prince (Therapeutics Committee Representative)

The role of the Communications Committee is to oversee the delivery of information among members of the ANZBMS and between ANZBMS council and members of the society by a number of activities.

This year, the Communications Committee was established to include one member of each ANZBMS subcommittee, in addition to our ordinary members, an ANZBMS council member, the ANZBMS Honorary Secretary and ANZBMS Secretariat. We would like to thank Paul Anderson (outgoing chair) and Ivone Johnson for their hard work in managing ANZBMS communications and establishing the website prior to the establishment of this committee and pleased that they will continue to serve on the new committee.

It was evident from the ANZBMS Engagement survey in 2019 that ANZBMS members wanted greater communication and dissemination of information to members and our wider community. In its first year, the expanded Communications Committee has focussed on some key areas of improvement as outlined below.

ANZBMS Member Newsletter

A particular area of communication in which ANZBMS members expressed that they would like to see improved was the general newsletter to members. This need was further increased by the current COVID-19 pandemic, which has changed the way we work and interact with others.

Inspired by the high-quality newsletter generated by our Early Career Investigators, we have adopted a similar approach and will be releasing issues on a quarterly basis intervening the ECIC newsletter.

The Communications Committee developed the Newsletter Editorial Board Terms of Reference document. Membership of the editorial board was open to all ANZBMS members with the aim being to have representation from Australia and New Zealand, and members with clinical and basic science backgrounds.

The current members of the Newsletter Editorial Board are: Natalie Wee (Editor in Chief), Victoria Leitch (Copy Editor), Niloufar Ansari, Cherie Chiang,

Nicolas Hart, Madhuri Herath, Kiranjit Joshi, David Musson, Feng Pan and Emma West.

Thank you to all members that completed our online Communications survey earlier this year. Your feedback and suggestions formed the basis for the general member newsletter which aims to:

1. Provide updates on the activities of ANZBMS and its committees
2. Highlight ANZBMS members achievements and publications
3. Disseminate information on events including the ANZBMS Annual Scientific Meeting, webinars and other opportunities.

The Communications Committee and Newsletter Editorial Board worked together with the Research Committee and Clinical Practice Committee to develop a working policy for identifying member publications for feature in the newsletter that is inclusive, broad reaching and without bias.

The first edition of the Newsletter which was released

on the 31st of July, 2020. All editions of the Newsletter are available on the [ANZBMS website](#).

We encourage all ANZBMS members to contact the Newsletter Editorial Board with any suggestions of items you would like to see in the newsletter as well as any awards, achievements or news you have at newsletter@anzbms.org.au

ANZBMS eNews

With the assistance of Melissa Cantley, ECIC Co-chair, a new ANZBMS eNews email template has been developed with the aim of making it easier for the reader to identify news items of interest as well as providing a format and appearance similar to other forms of ANZBMS communications.

Website

Information contained on the website relating to the ANZBMS awards available, the Annual Scientific Meeting, upcoming webinars, other meetings and membership news pages have been updated.

Social Media

Results of the Communications survey indicated Twitter was the preferred platform for the regular dissemination of news items of interest to ANZBMS members.

David Scott has taken over management of the ANZBMS Twitter account ([@ANZBMSoc](#)) and has been actively tweeting and re-tweeting information relevant for and about ANZBMS members as well as our fellow societies such as ASBMR, IOR and others.

In recent months, our average number of followers has increased from 10 to 30 per month. An article on "How to tweet and connect to [@ANZBMSoc](#)" was included in the July issue of member Newsletter.



EARLY CAREER INVESTIGATOR COMMITTEE

AYSE ZENGIN AND MELISSA CANTLEY
CO-CHAIRS OF THE ECIC

The objectives of ECIC are to:

1. To act in collaboration with the ANZBMS senior committee and foster active engagement of early career investigators (ECI) 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.

2019-2020 ECIC Committee

Co-Chairs: Dr. Ayse Zengin (Vic) and Dr. Melissa Cantley (SA).
8 members: Dr. Eleanor Thong (VIC), Dr. Laura Laslett (TAS), Dr. Marc Sim (WA), Dr. Alicia Jones (VIC), Dr. Natalie Hyde (VIC), Dr. Sarah Hosking (VIC), Dr. Victoria Leitch (VIC), Dr. John Kemp (QLD), Dr. Sabashini Ramchand (VIC) – ex officio member and ECIC Program Organising Committee (POC) representative

New ANZBMS ECIC members

21 applications for 5 ECIC positions – 12 from Victoria, 2 from New South Wales, 3 from Queensland, 1 from Tasmania, 1 from South Australia, 1 from Western Australia and 1 from New Zealand.

Each candidate provided their CV and a statement of why they wanted to join the ECIC and their goals for the committee. This was circulated to all

members of the ECIC for review. An anonymous voting poll was set up and each ECIC member was given the opportunity to rank their top 6 candidates. All members voted. The top 5 candidates selected were put forward and endorsed by Prof Natalie Sims as new members of the ECIC.

We would like to thank all applicants for their interest in the ECIC and warmly welcome our new ECIC members: Dr. Niloufar Ansari (VIC), Jiao Jiao Li (NSW), Dr. Nicolas Hart (QLD), Dr. Scott Youlten (NSW), Dr. Alex Barker (SA)

1

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 this year's Virtual ASM.

The number of ECIs involved in various ANZBMS sub-committees is increasing and we actively encourage this.

The ECIC Co-Chairs also attend Council meetings as ex-officio members. The past ECIC Co-Chair acts as the ECIC representative on the ANZBMS POC and assists to develop the scientific program for the ASM in conjunction with the ECIC.

Below are some examples of active engagement of ECIs:

- 2020 ANZBMS POC: Sabashini Ramchand, Melissa Cantley, Ayse Zengin and John Kemp.
- Therapeutics Committee: Sabashini Ramchand
- Research Committee: Ayse Zengin
- ANZBMS Early Career Investigator Newsletter Editorial Board: Sabashini Ramchand, Melissa Cantley, Ayse Zengin, Renee Ormsby, Victoria Leitch, Amy Ribet, Emma Buckets and Aaron Fernandez

2

Objective 2

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

Virtual Coffee Catch-ups

Given there are no face to face meetings in 2020, ECIC



#1: HOW COVID-19 HAS IMPACTED MUSCOSKELETAL RESEARCH IN AUSTRALIA/NZ



#3: MAKING MENTORSHIP WORK



#2: HOW TO PLAY THE RESEARCH GAME



#4: HOW TO ESTABLISH RESEARCH INDEPENDENCE

created the virtual coffee catch-ups initiative to engage and communicate with ECIs in an informal manner over “coffee” during a 1 hour timeslot on a Friday morning.

- First Coffee Catch-Ups (June 5): 26 attendees and very positive feedback was received. Prof. Natalie Sims (VIC) was the guest speaker, she discussed and answered questions related to how COVID19 has impacted musculoskeletal research in Australia/NZ, and how this situation has particularly affected ECIs.
- Second Coffee Catch-Ups (24 July): themed “Playing the research game” with guest speakers Prof. Rob Daly (VIC) and Dr Agnes Arthur (SA), with 31 attendees. During this session there was a lot more engagement with the speakers and attendees. The session was very well received with positive feedback received via social media and personally to ECIC members.
- Third Coffee Catch-Ups (21 August): themed “Making Mentorship Work” with guest speakers Prof. Sharon Brennan-Olsen (VIC), A.Prof. Josh Lewis (WA) and A.Prof. Paul Baldock (NSW) with 31 attendees. There were several questions raised which initiated discussion by guest speakers as well as attendees.
- Fourth Coffee Catch-

Ups (November – TBC): themed “Timing of research independence” with guest speakers TBC.

3

Objective 3

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

ECTS Academy Webinar Exchange

The ECIC continues to strengthen the relationship with the ECTS Academy, with the webinar series. The ECTS webinar series aims to convey knowledge on musculoskeletal topics, including state-of-the art lectures, novel technologies and debates.

These webinars feature basic scientists, epidemiologists, clinical researchers and clinicians as speakers, and allow participants to ask questions. Registration is free for ECTS members and non-members.

First speaker from ANZBMS ECIC was Scott Yaulten who gave a very engaging and clear talk with very positive feedback was received. The ECTS Academy have invited ECIC Co-Chairs to a meeting to schedule the speakers for next year’s series. The ECIC are developing a way to ensure the selection of speakers is a fair process.

4

Objective 4

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

Clinical Cases in Metabolic Bone Disease Seminar

The format has changed for the virtual meeting and allocated a 1.5 hour session. The session consists of challenging clinical cases and topics, presented by experts. Each speaker gives a clinical vignette with evidence, followed by a 5-minute expert commentary, questions and discussion.

The three topics, presenters and commentators are:

1. Bone health in obesity and weight loss (Presented by Prof Jackie Center, expert moderator Prof Debra Waters)
2. Prescribing exercise for osteoporosis (Presented by Prof Belinda Beck, expert moderator Prof Robin Daly)
3. Bone health in young women with primary or secondary hypogonadism (Presented by Prof Bronwyn Stuckey, expert moderator A/Prof Frances Milat)

RACP Webinar Series

This webinar is part of the Specialty Society Webinar Service pilot being undertaken by the RACP in partnership with

its affiliated specialty societies. There are three webinars planned for 2020:

- Webinar 1: Prof Mark Cooper, Glucocorticoid-induced osteoporosis, Wed 5th August, Webinar 2: Dr Sabashini Ramchand, Denosumab cessation, Tues 6th October and
- Webinar 3: Dr John Kemp, Genetics of osteoporosis, Mon 9th November. Webinar 1- 108 registrations and 61 attended.
- Feedback was mostly positive, with people finding the content useful for clinical practice, engaging and of the right duration.

5

Objective 5

Involvement in scientific and social programs at the ANZBMS Annual Scientific Meeting. The ECIC will host 3 events at the 2020 Virtual Scientific Meeting including the Career Development Session, Clinical Cases Session and Stop, Collaborate and Listen: ECIC Networking Event.

Career Development Symposium – Monday 12th October

This initiative aims to provide strategic tips and advice that will ultimately improve chances of future ECI fellowship success.

The session will open with a talk by Ass/Prof. David Scott on his success as an NHMRC Investigator Grant awardee, and his experience being on the grant review panel. A panel of successful NHMRC, ARC and NZ fellowship holders will then provide strategic advice for prospective fellowship applicants and highlight common mistakes to avoid.

Finally, the session concludes with an interactive Q&A session where attendees are encouraged to seek further advice from panel members.

Panel Members:

1. David Scott: NHMRC EL2, Deakin University (VIC)
2. Brya Matthews, Sir Charles Hercus Fellowship- University of Auckland (NZ)

3. John Kemp, NHMRC EL1 - University of Queensland (QLD)
4. Allison Petit, ARC Future Fellowship, University of Queensland (QLD)
5. Lana Williams, NHMRC EL2- Deakin University (VIC)

Stop, Collaborate and Listen: ECIC Networking Event – Monday 12th October

An online networking session to encourage collaboration between ECIs held via Zoom organised by the ECIC Events sub-committee. Delegates have been asked to prepare a 3-minute elevator pitch of their research and potential collaboration opportunities. The JSBMR B.O.N.E speaker (Yuuki Yoshimoto) will give her 3 min elevator pitch to encourage networking with JSBMR.



NETWORKING BREAKFAST: THE VIRTUAL ANZBMS ANNUAL SCIENTIFIC MEETING - WEDNESDAY 14TH OCTOBER 2020

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

The JSBMR B.O.N.E speaker is Yuuki Yoshimoto. The Exchange speaker for the B.O.N.E Program from ANZBMS Kylie Alexander (QLD).

Nominations were received by senior ANZBMS members, biographies received and sent to the JSBMR POC for review. Kylie Alexander presented at the 2020 JSBMR virtual meeting.

6

Objective 6

To foster science communication and engagement with the public.

ANZBMS Website

The ECI section is regularly updated by the ECIC Communications team to include the role of the ECIC and its members, ECI news, ECI calendar, ECI awards, newsletters, grants and scholarships and ECI resources.

ANZBMS Quarterly ECI Newsletter

The aim of the newsletter is to create a sense of community among the Society's ECI's, highlight their work and disseminate information relevant to ECI's.

The newsletter editorial board is a separate entity to the ECIC with separate Terms of Reference.

Members: Sabs Ramchand, Mel Cantley, Ayse Zengin, Renee Ormsby, Victoria Leitch, Amy Ribet, Emma Buckets and Aaron Fernandez.

Four issues have been produced so far (1 in 2019, 3 in 2020), very positive feedback has been received regarding these newsletters. The next issue will be distributed in December. Using LucidPress to compose newsletters has been working very well.

<https://www.anzbms.org.au/eci-calendar.asp>

Social Media

We use Twitter as our social media platform to keep ECIs informed of upcoming national and international events, conferences, awards and other information that may be of relevance.

We post regular tweets from our ECIC Communications sub-committee. There has been an increase in the numbers of retweets, engagement and likes on the account. The 2020 Twitter campaign was to introduce each ECIC member with a brief bio with an aim to promote and create awareness about ECIC. ([@ANZBMS_ECIC](https://twitter.com/ANZBMS_ECIC))

ECIC Video

This was produced to highlight the ECI events at the Virtual Scientific meeting, circulated via email, Twitter and on the website- <https://www.anzbmsconference.org/>

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



DENSITOMETRY SUB-COMMITEE

ASSOCIATE PROFESSOR NICK POCKOCK
CHAIR OF THE DENSITOMETRY COMMITTEE

ANZBMS Training Course

The planned course in Sydney in March 2020 was cancelled due to COVID-19.

Spurred on by the need to continue training for new DXA technologists, an online course using Zoom was developed and is planned for the 7th and 8th November 2020.

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 concept of publishing the material from the Densitometry Course in an online 'book' has not progressed mainly due to lack of man-power and resources.

RACP WEBINAR

Please find the link below to the recording that has now been published on the College website. Only fellows of the college can access the webinar.

<https://www.racp.edu.au/fellows/resources/specialty-society-webinar-series/specialty-society-webinars/australian-diabetes-society-australian-and-new-zealand-bone-and-mineral-society-and-endocrine-society-of-australia-webinars>

ANZBMS 2020 AWARDS WINNERS



KAYE IBBERTSON AWARD FOR BONE AND MINERAL MEDICINE

A/PROF DAVID SCOTT, DEAKIN UNIVERSITY

Award for productivity (based on five publications in the last 8 years) for work on obesity and fragility fracture



SOL POSEN AWARD

JUNJIE GAO, PERRON INSTITUTE FOR NEUROLOGICAL AND TRANSLATIONAL SCIENCE

Award for best paper (in last 18 months)



ROGER MELICK YOUNG INVESTIGATOR AWARD

JAMES SMITH, GARVAN INSTITUTE OF MEDICAL RESEARCH

“Single-cell mapping of bone identifies key intercellular interactions within the endosteal bone microenvironment”



CHRISTOPHER & MARGIE NORDIN YOUNG INVESTIGATOR POSTER AWARD

RUBY OBERIN, HUDSON INSTITUTE OF MEDICAL RESEARCH

“Determining the role of maternal epigenetic inheritance in bone development and disease”



ANZBMS/AMGEN OUSTANDING ABSTRACT AWARD

DR. AUDREY CHAN, UNIVERSITY OF MELBOURNE, VICTORIA



ANZBMS/AMGEN OUSTANDING ABSTRACT AWARD

DR. SANDRA IULIANO, UNIVERSITY OF MELBOURNE, VICTORIA



ANZBMS/AMGEN OUSTANDING ABSTRACT AWARD

PROF. PETER EBELING, MONASH UNIVERSITY VICTORIA



ANZBMS/AMGEN OUSTANDING ABSTRACT AWARD

DR. VICTORIA LEITCH, ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY, VICTORIA



ANZBMS/AMGEN OUSTANDING ABSTRACT AWARD

DR. TSUYOSHI ISOJIMA, ST. VINCENT'S INSTITUTE OF MEDICAL RESEARCH, VICTORIA

AMGEN/ANZBMS OUSTANDING ABSTRACT AWARDEES

ANZBMS 2020 AWARD WINNERS



HIGHEST RANKED STUDENT ABSTRACT AWARD

LENA BATOON, MATER RESEARCH INSTITUTE

“Osteal macrophage contributions to post-menopausal osteoporosis bone pathology”



AMGEN OA-ANZBMS RESEARCH GRANT

ASSOCIATE PROFESSOR DAVID SCOTT



ASBMR JOHN D HADDAD AWARD RECIPIENT

DR SABASHINI RAMCHAND



PSECO-IOF YOUNG INVESTIGATOR AWARD

DR AYSE ZENGIN

ANZBMS MEMBER ACHIEVEMENTS



INTERNATIONAL SOCIETY OF BONE MORPHOMETRY JULY 2020 IMAGING CONTEST

MARTHA BLANK



INTERNATIONAL SOCIETY OF BONE MORPHOMETRY JULY 2020 IMAGING CONTEST

DR DZENITA MURATOVIC



PSECO-IOF YOUNG INVESTIGATOR AWARD

CARRIE-ANNE NG



ASBMR PAULA STERN ACHIEVEMENT AWARD

PROFESSOR NATALIE SIMS

ANZBMS MEMBER ACHIEVEMENTS



THE VICTORIAN YOUNG TALL POPPY AWARD

DR AYSE ZENGIN



GOLDEN FEMUR

PROFESSOR JOHN EISMAN

For Biannual ASBMR-ECTS Debate



ASBMR MOST OUTSTANDING CLINICAL AWARD

DR SANDRA IULIANO

“Dairy supplementation reduces fractures and falls in institutionalized older adults: a cluster-randomized placebo-controlled trial”



INTERNATIONAL OSTEOPOROSIS FOUNDATION PRESIDENT’S AWARD

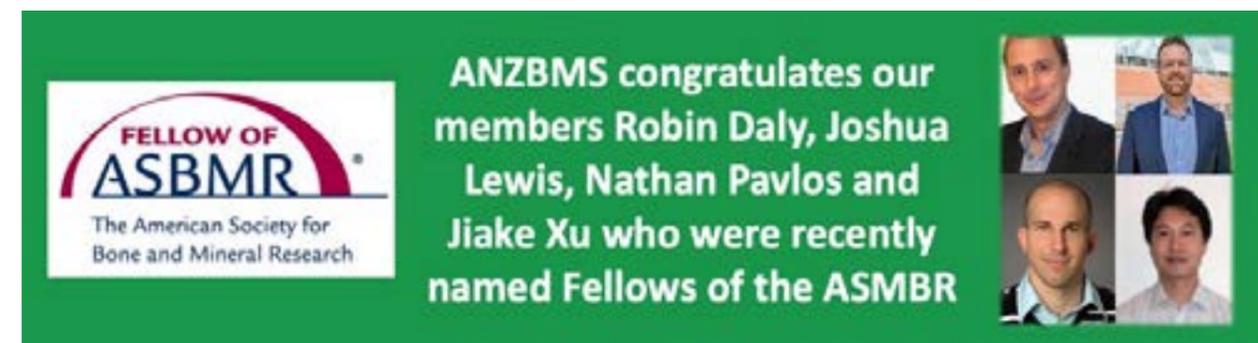
DR EGO SEEMAN

CONGRATULATIONS TO ANZBMS MEMBERS NAMED FELLOWS OF ASBMR

ANZBMS Congratulates members Professor Robin Daly (Deakin University), Dr Joshua

Lewis (University of Western Australia), Associate Professor Nathan Pavlos (University of Western Australia), and Professor Jiake Xu (University of Western Australia) who were recently named Fellows

of the American Society of Bone and Mineral Research. It’s great to see our members being recognized for their achievements in Bone and Mineral Research.



CONGRATULATIONS TO ANZBMS MEMBERS AWARDED THE ASBMR YOUNG INVESTIGATOR AWARDS FOR VIRTUAL PH.D. TRAINING

Congratulations to ANZBMS members Jason Talevski (University of Melbourne), Jack Feehan (University of Melbourne), Almed Al Saedi

(University of Melbourne) and Lena Batoon (University of Queensland) who are recipients of the 2020 ASBMR Young Investigator Awards for the ECTS Digital Ph.D. Trainee Course.

These awards covered the registration costs for ASBMR young investigators to participate in the ECTS and GEMSTONE COST-Action Digital Masterclass for Ph.D.

Students, Trainees, and Young Investigators (within 7 years post-PhD) held this past week.

The course promoted general knowledge of bone research to young investigators featuring workshops, and offered attendees interactive workshops, mentoring sessions, and presentation opportunities with feedback.

CONGRATULATIONS TO ANZBMS MEMBERS FOR THEIR SUCCESS IN THE NHMRC INVESTIGATOR GRANT SCHEME



ANZBMS HONOURS

CONGRATULATIONS TO ANZBMS MEMBERS NAMED FELLOWS OF ASBMR

ANZBMS Congratulates members Professor Robin Daly (Deakin University), Dr Joshua Lewis (University of Western Australia), Associate Professor Nathan Pavlos (University of Western Australia), and Professor Jiake Xu (University of Western Australia) who were recently named Fellows of the American Society of Bone and Mineral Research. It's great to see our members being recognized for their achievements in Bone and Mineral Research.

QUEEN'S BIRTHDAY HONOURS

ANZBMS is pleased to congratulate Professor Matthew Gillespie AM for his appointment as a Member of the Order of Australia in the Queen's Birthday Honours List this year for significant service to tertiary education administration, and to medical research.

Matthew was President of ANZBMS from 2011-2013 and served on the Council of ANZBMS for 10 years, including being Honorary Secretary of the Society from 2007-2009.

AUSTRALIA DAY HONOURS

ANZBMS is delighted to congratulate two of our members who received recognition in the Australia Day Honours – Prof Robert Cumming and Prof David Zajac.

OFFICER (AO) IN THE GENERAL DIVISION OF THE ORDER OF AUSTRALIA

Professor Robert Graham CUMMING, Centennial Park NSW 2021 For distinguished service to medical education and research, particularly to ageing and age-related diseases.

Professor Jeffrey David ZAJAC, Heidelberg VIC 3084 For distinguished service to medical research and education, particularly in the field of endocrinology, and to professional societies.



PROFESSOR ROBERT CUMMING



PROFESSOR JEFFREY DAVID ZAJAC

CHRISTINE & T. JACK MARTIN RESEARCH TRAVEL GRANT

DR SABISHINI RAMCHAND

2020 Report

I would like to express my gratitude to the ANZBMS for awarding me the Christine and T. Jack Martin Research Travel Grant to extend my research fellowship at the Massachusetts General Hospital, Harvard University under the mentorship of Dr. Ben Leder. The opportunity to undertake a research fellowship overseas at one of the leading centres of musculoskeletal research has been a tremendous journey, both professionally & personally.

On a professional level, my time at MGH gave me the opportunity to expand my research experience, learn new skills, and form international networks. Under the leadership of Dr. Ben Leder, I was responsible for conducting the first clinical trial to comprehensively assess the effects of combined anabolic and antiresorptive therapy, by direct histomorphometry in postmenopausal women with osteoporosis. I was responsible for the recruitment of study participants, running of study visits, and assisting with bone biopsy procedures. Additionally, under the supervision of Dr. Marie DeMay, I assisted with the processing and analysis of

the bone biopsy specimens. The further experience gained in conducting clinical trials at MGH taught me new methods of conducting my own trials in the future. Unfortunately, due to the COVID-19 pandemic, in March 2020, the study was put on hold until further notice. At the time of writing this report, this study has just recommenced.

I also worked on a separate project evaluating the efficacy of zoledronic acid in maintaining the large gains in bone mineral density after treatment with combined denosumab and teriparatide. I was involved in data collection, analysis, and writing of the manuscript (currently in progress). I submitted an abstract based on this work to the ASBMR 2020 meeting, which will be held in a virtual format this year due to the COVID-19 pandemic.

In addition to the projects that I worked on, I attended weekly research meetings (x3 per week), endocrine grand rounds, and journal club meetings. The opportunity to attend these meetings and participate in regular discussions with some of the world's experts in metabolic bone disease, such as Dr. Bouxsein, Dr. DeMay, Dr.

Kronenberg, Dr. Mannstadt, Dr. Jueppner, and Dr. Finkelstein, was a unique and wonderful opportunity and I learnt greatly. During this period of time, I was awarded the John Haddad Young Investigator Award and accepted an invitation to join the ASBMR Early Stage Investigator Sub-Committee. I also remained active in my roles in the ANZBMS ECIC, ANZBMS POC, Therapeutics Committee and ECIC Newsletter Editorial Board, which gave me a sense of constant connection with the ANZBMS, something that I really valued during my time overseas.

On a personal level, travelling overseas and conducting research in another country was a truly enlightening experience. I learnt how to adapt to a new environment and work culture, was challenged to broaden my way of thinking, and also had the opportunity to enrich discussions by sharing my research/clinical experiences in Australia. I made wonderful friends (even went to a Red Sox game!), strengthened my international profile, and expanded my prospects of future collaborations. Thank you again to the ANZBMS for giving me this wonderful opportunity, I will always treasure my time spent at the MGH and in Boston.

THE 11TH CLARE VALLEY BONE MEETING

The Clare Valley Bone Meeting (CVBM) has an established place in the Australian meeting calendar, with ten biennial meetings having taken place between 2000 and 2018.

The Eleventh Clare Valley Bone Meeting took place between 28 February and 2 March, 2020 at the Clare Convention Centre, Clare, SA. This was held in conjunction with ANZBMS, as we did in 2018. The CVBM provides an excellent additional opportunity for ANZBMS members and MSK researchers in general, to the traditional and larger ANZBMS Annual Scientific Meeting. It is always held in the first quarter of the year as opposed to the ANZBMS ASM in the latter quarter.

It is a single auditorium style meeting so that all attendees can participate in all sessions, in an intimate gathering of clinicians, basic scientists and representatives of industry research and development, in the field of Bone and Joint, providing many opportunities for engagement. The 11th CVBM meeting was funded by a support package from ANZBMS, together with new industry sponsorship: Gold Sponsor- Adler Ortho Australia,

Silver Sponsor- Amgen, Bronze Sponsors- Bone Health Foundation, Smith and Nephew, Other sponsor Ortho-Cell.

The number of delegates was somewhat lower this year than the usual 70, in part due to COVID-19-related travel restrictions, with just over 50 registrants. However, this was another exceptional meeting. We sought to explore four interrelated major themes the Organising Committee regarded as in need of attention:

- Bone Health throughout our lifetime
- Human movement, biomechanics and bioengineering
- Understanding, prevention and treatment of bone infection
- State-of-the-art understanding of bone cancer

The first theme, 'MSK health throughout our lifetime', pervaded the entire meeting but was also specifically addressed. We explored the effectiveness of current surgical interventions in adults for hip and knee osteoarthritis (Prof. Ian Harris, South Western Sydney Clinical School), the consequences of

surgical intervention for sport-related injuries in younger adults (Dr. David Martin, AO, SportsMed, Adelaide) and the treatment of developmental hip dysplasias in infants (Dr. Nicole Williams, Women's and Children's Hospital, Adelaide).

Professor Christopher Hernandez (Cornell University NY, USA) delivered an intriguing Keynote presentation on the role of the gut microbiome in MSK (and general) health, as well as its emerging importance for orthopaedic infections. Assoc. Prof. Paul Anderson (University of SA) spoke about the influence of vitamin D on MSK health and fracture risk. Dr. Alice Burke, Head of Gerontology at the Royal Adelaide Hospital, spoke about the post-fracture management of elderly people having already suffered a hip fracture.

There was some excellent insight into technology-driven improvements in patient care through the juxtapositioning of scientists with industry (Prof. Karen Reynolds, Medical Device Partnering Program, Flinders University) and how patient care can be improved by better understanding of the underlying biomechanics (Dr.

David Ackland, University of Melbourne). Assessment of patient outcomes was a strong sub-theme of this meeting. Our international Invited Speaker, Dr. Bernd Grimm, Luxembourg Institute of Health, spoke on the clinical use of state-of-the-art activity monitoring of human movement and the applications in bone health. Dr. Jasvir Bahl (University of Adelaide) presented his group's recent findings on patient activity following joint replacement surgery.

For the first time we held a debate whose question was 'Should we look or listen? The value of Monitoring vs PROMS <patient reported outcome measures> in determining patient outcomes', with Bernd Grimm (Luxembourg Institute of Health) arguing in favour of monitoring, and Ian Harris (South Western Sydney Clinical School) putting the case for PROMS. This was highly entertaining, informative and well received by the audience.

The bone/orthopaedic infection theme was in response to the increasing incidence of such infections despite improvements in most if not all other aspects of orthopaedic management. We addressed both the current diversity in clinical management (Assoc. Prof. David Campbell, Calvary Hospital, Adelaide), the current disease burden in Australia (Dr. Josh Davis, Menzies School of Health Research, Newcastle), as well as emerging host factors (Prof. Chris Hernandez, Cornell), as well as pathogen factors (Dr. Stephen Kidd, University of Adelaide).

Another major area of MSK disease that was addressed is that of bone cancer. Expert clinical insight into solid tumours of bone was given by Dr. Jakub Jagiello (The South Australian Sarcoma and Bone Tumor Unit, Adelaide). Dr. Maya Kansara (Garvan Institute) spoke regarding the relationships between psoriasis and osteosarcoma. Prof. Peter

Croucher (Garvan Institute) and Dr. Kate Vandyke (SAHMRI) spoke to the latest insights into multiple myeloma.

The entire meeting programme can be viewed at: <https://clarevalleybonemeeting.com.au/>

We're looking forward to CVBM XII scheduled for early 2022. We hope that the world has returned to a semblance of normality and we can hold this and other such meetings to take advantage of the rich resource of human interaction. We look forward to seeing you there!

Gerald Atkins, on behalf of the Organising Committee.

(Paul Anderson, David Findlay, Bogdan Solomon, David Campbell, Jakub Jagiello, Peter Smitham, Karen Reynolds)



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ANZBMS
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