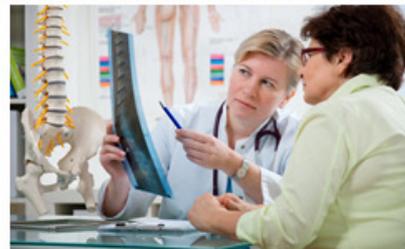


ANZBMS



2015

ANNUAL REPORT

AUSTRALIAN AND NEW ZEALAND BONE AND MINERAL SOCIETY

AIMS AND 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.



REPORT FROM THE PRESIDENT

Despite an increasingly difficult financial environment, our society remains in good shape. We currently have 501 members, including 365 full and 124 student members. I am particularly pleased to see many younger people, both students and post-docs, joining ANZBMS and actively contributing to our scientific and broader missions. Also, our finances continue to be in good order as detailed in Gethin's most recent finance report (see below). Despite variations from year to year, our revenue and expenses are pretty much balanced and we enjoy solid financial assets at over \$1.2m in cash and term deposits. The conservative management of these resources over the years has allowed us to introduce a number of new and much needed initiatives.

The perhaps most important of these is the **ANZBMS 'Gap Fellowship'**. As most of you would know, obtaining funding for mid-career researchers has become a veritable challenge and as a consequence, the future career of many of our colleagues in bone and mineral research is in jeopardy. The ANZBMS has therefore created a new Fellowship Award with the intention to bridge shortfalls in salary funding for mid-career scientists. The society will fund up to two one-year 'Gap Fellowships' of \$50,000, an amount that must be matched by the applicant's administering institution. For further information on eligibility and how to apply please see www.anzbms.org.au/grants-and-awards-anzbms-gap-fellowship.asp.

I am pleased to report that ANZBMS has reached an agreement with the **Clare Valley Bone Meeting** Organising Committee to hold a co-badged meeting in 2016, with \$15,000 in funding provided by ANZBMS. The Clare Valley Bone Meeting has an established place in the Australian meeting calendar with so far eight biennial meetings since 2000.

The "Ninth Clare Valley Bone Meeting in Conjunction with ANZBMS" is scheduled to take place from 1 to 4 April 2016, offering another great opportunity for ANZBMS members to enjoy first-class science close to home.

In 2016, ANZBMS will again offer up to 3 **International Travel Awards** of \$1,500 each to support attendance of the Herbert Fleisch Workshop, a Gordon-style conference for students, post-docs and early stage principal investigators. The next workshop will be held in Brugge, Belgium, from 28 Feb to 1 March 2016 (for more information about the workshop please visit www.herbertfleisch@ibmsonline.org; Information on how to apply can be found at www.anzbms.org.au/grants-and-awards-anzbms-international-travel-award.asp. Reports from the three 2014 award recipients can be viewed at www.anzbms.org.au/documents.

A further joint meeting took place in Canberra in September 2015. Members of the ANZBMS and the Australia New Zealand Society of Nephrology (ANZSN) met to address topical issues in the diagnosis and management of patients with CKD-Mineral and Bone Disorders. The meeting was jointly funded by the ANZSN and ANZBMS, with Amgen contributing a number of travel grants. The meetings proceedings will be collated by Grahame Elder and submitted for publication in the near future. According to Grahame, who organised this meeting on behalf of ANZBMS, the "contributions will also act as a local perspective on the upcoming CKD-MBD guidelines, due to be published in the new year by the Kidney Disease Improving Global Outcomes (KDIGO) collaboration."

These new initiatives and awards are in addition to the many other awards traditionally given out at our Annual Scientific Meeting, and on behalf of ANZBMS, I thank Amgen and MSD Sharp & Dohme for supporting these prizes.

CONTINUED



REPORT FROM THE PRESIDENT

Our society **modernised constitution** had been approved by the membership at last year's Annual General Meeting in Queenstown (www.anzbms.org.au/constitution.asp). We have also updated our society's **Strategic Plan**, with the intention to focus our activities on those aspects deemed most relevant by the membership. The new Strategic Plan can be downloaded at www.anzbms.org.au/missions-aims-goals.asp

While you are visiting the ANZBMS website, take a moment to browse through the 'Annual Report 2014', which summarises many of our society's recent activities and achievements (anzbms.org.au/documents/anzbms2014_annualreportv09Final.pdf), have a look at our eNews and, if you are a fan, hook up with ANZBMS via Facebook. As always, my thanks go to Ivone and Anthony Malloy for keeping our website up-to-date and our membership so well informed.

Special thanks go to Paul Mitchell, who worked day and night writing and designing our new **Secondary Fracture Prevention Resource Centre**. This important new resource will become part of the ANZBMS website in the very near future and will help clinicians in Australia to implement and effectively run Secondary Fracture Prevention programs at their hospitals. This initiative was supported by an unrestricted grant by Amgen to ANZBMS, for which I would like to express my sincere thanks. I would also like to thank Osteoporosis Canada for their permission to use their SFP Program initiative as an inspiration for our own.

At this point I would like to draw your special attention to the new ANZBMS Positions Paper on Secondary Fracture Prevention, a topic that many of you know is close to my heart. The Position Paper had been reviewed by the ANZBMS membership, and subsequently by a large number of other learned societies and organisations. Following endorsement by the ANZBMS membership and 12 other societies and groups, the document was finally published in May 2015, gaining considerable media attention at the time. Both the Position Paper and a special feature run on the ABC News program can be downloaded at www.anzbms.org.au/patient-information.asp.

The Position Paper on Secondary Fracture Prevention is a call to action to close the current gap in osteoporosis management. Following the example of the UK and the US, plans are now nearing completion for the formation of a **National Fracture Alliance**. A first meeting of representatives from 22 societies and organisations around Australia has taken place on 21 November 2015 (a report can be found on page 12). The meeting was a success and work is now underway to establish the National Alliance for Secondary Fracture Prevention.

Our society continues to enjoy strong and productive links with other learned societies and organisations. This year's **ASM in Hobart** was witness to yet another initiative aimed at strengthening our relationship with other societies in the field of musculoskeletal research and related areas. Together with the Molecular and Experimental Pathology Society of Australasia (MEPSA) and the Matrix Biology Society (MBSANZ), we enjoyed a first class and truly exciting joint meeting which offered ample opportunity for cross-fertilisation and collaboration. Over 300 delegates met to discuss the research presented in 196 abstracts, of which 100 were oral presentations. We welcomed 10 (!) international speakers from Europe, the US, Canada and Singapore, who helped making the Hobart meeting an unforgettable event. On behalf of the membership, I would like to thank Graeme Jones and Nathan Pavlos along with the members of the 2015 POC and LOC for their tireless work and commitment in planning and organising this event. Further thanks go to Ivone Johnson and Lara Birchby, whose contributions are indispensable for the success of any of our meetings. On behalf of ANZBMS, I also thank our industry sponsors for supporting this year's ASM. Amgen/ GSK (Platinum), Actavis (Gold) and Orthocell (name badges). We also welcome our exhibitors, Apotex, Bruker microCT, Medtel, Hologic (who also sponsor a breakfast session on TBA), Eli Lilly and ThermoFisher.

Emma Duncan, our new president is currently finalising negotiations with the Endocrine Society of Australia regarding the **ESA-SRB-ANZBMS joint ASM**, to be held from 21-24 August 2016 at the Gold Coast Convention Centre (<http://www.esa-srb.org.au/>). I am sure the membership can look forward to a further exciting opportunity to forge new contacts and productive collaborations.

Two years ago, the ANZBMS entered into a partnership with the International Bone & Mineral Society (IBMS) and our members tell us that they appreciate the benefits this partnership provides. **A joint meeting with IBMS** is planned for **17-21 June 2017** in Brisbane, so watch this space!

The ANZBMS is a founding member of the International Federation of Musculoskeletal Research Societies (IFMRS) and remains an active partner with several of our members having joined key committees of this new organisation. It is highly likely that IFMRS and IBMS will merge in the near future, with the IFMRS becoming the lead organisation. At its last meeting, ANZBMS Council has asked me to represent our society at the newly formed IFMRS Board of Directors.



REPORT FROM THE PRESIDENT

Osteoporosis Australia and ANZBMS continue to enjoy a productive partnership. The AO/ ANZBMS Research Fund includes the Amgen/GSK Clinical Grant program while the Sambrook Award honours the legacy of the late Philip Sambrook and is open to all ANZBMS members.

The **Therapeutics Committee** (Chair: Mark Kotowicz) had some disappointing news in 2015: Although a ratified report from the Evaluation Sub-Committee appeared to support a new item number for bone mineral density measurements in women using aromatase inhibitors for breast cancer, the MSAC has rejected our application. The reasons for this decision are unclear and Council will determine whether to launch a new application in the future. Please see Mark's report further down.

The **Densitometry Committee** (Chair: Nick Pocock) oversees the ANZBMS Training Course in Osteodensitometry, which continues to be well attended and raises significant funds for our society. Please refer to Nick's report below for further information on current relevant issues such as the DOH's planned review of Medicare re-imburement for DXA scans.

As always, special thanks are owed to the members of the **Research Committee** (Chair: Nathan Pavlos), which has been busy liaising with the NHMRC regarding the FOR classifications, the need for, and composition of Musculoskeletal GRPs, and the burning issues around current Fellowship Schemes. I would like to thank the committee members for reviewing the many abstracts submitted to this year's ASM, and for organising the logistics around our societies many awards. I draw your attention to Nathan's report further below.

Congratulations to Jill Cornish and Ego Seeman, the recipients of the inaugural '**ANZBMS Career Achievement Award 2014**'. This award is given on a yearly basis to members of our society who made outstanding contributions to the bone and mineral field. I am delighted to inform you that this year's awardee is Howard Morris, who also gave the Chris Nordin Memorial lecture at our ASM in Hobart. Please start thinking of potential nominees for the ANZBMS Career Award 2016. (For more information please go to <http://www.anzbms.org.au/grants-and-awards.asp>.) Further congratulations go to Ian Reid who received the 2015 Excellence in Research Award from the European Calcified Tissue Society.

The ANZBMS also congratulates Peter Ebeling on being awarded an OA "for distinguished service to medicine in the field of bone health, through academic contributions

and research initiatives in a range of administrative, executive and professional roles." As you would know, Peter was the President of our society from 1999 to 2001, and has served the ANZBMS in many other roles over the years. More recently, Peter Ebeling (and Helena Teede, the current ESA president) were appointed to the NHMRC Research Committee.

It is with great sadness that the ANZBMS membership took note of the passing of one of our most revered and outstanding members, Professor Chris Nordin. I fondly remember meeting Chris at my first ANZBMS conference in Glenelg in 2002, when he invited me to sit down next to him and tell him about my plans as a newcomer to Australia. Holding his (cold) pipe in his hand, he reminisced about his own arrival on the Southern continent many years prior and gave me some useful advice for the years to come. Chris and I met often afterwards and I never ceased to admire his sharp intellect and warm heart. We have really lost a giant.

As my term as ANZBMS President draws to an end I would like to thank all those who have prevented me from making a complete fool of myself. Foremost, I am forever indebted to Ivone Johnson who firmly guided me through the sometimes confusing maze of our society's workings and peculiarities. Without her continuous support these last 26 months would have been impossible for me to survive. My sincere thanks also go to the members of ANZBMS Council, namely Matt Gillespie (Past President), Gethin Thomas (Treasurer), Gerald Atkins (Honorary Secretary), Emma Duncan (President-Elect), Natalie Sims, Elaine Dennison, Nick Pocock and Nathan Pavlos. Their commitment and hard work over the past 2 years made our Society what it is today. As it happens, Matt (after 10 years of service), Natalie and Gethin (both after 6 years) and Gerald (after 4 years of service) will leave ANZBMS Council to allow other members to engage with our society's inner works. Thus, I welcome our new Council members for 2015/17, namely Peter Croucher (President-Elect), Rachele Buchbinder, Rob Daly, Paul Anderson and Allison Pettit. Emma Duncan will take over as President and Nathan Pavlos will assume the ever-important role of Treasurer. Nick Pocock, Elaine Dennison and I will stay on Council to provide continuity and support.



Professor Markus J. Seibel, President

TREASURER'S REPORT

DR GETHIN THOMAS, ANZBMS TREASURER

General Financial Result

2015 Member's funds = \$1,214,720
2014 Member's funds = \$1,078,785

The society is in a sound financial position with considerable funds conservatively invested. These funds have been accumulated due to previous significant profits from annual meetings and generous support from various other sources. Current external support is significantly less than previously and will likely remain at reduced levels. This also impacts profits from our meetings and we will likely see only small profits if any from future ASMs (except joint international meetings). The Council's decision to support the Gap Fellowships will also likely impact on our future financial position and will be discussed later in this report.

Overall Profit

\$79,747 Profit (2014 = \$43,041;
2013 = \$18,374 profit)

We have made a strong profit in 2015 helped significantly by the surplus from the 2014 ASM in NZ (~\$35,000). Credit must go to the Programme Organising Committee (POC) and Professional Conference Organisers (PCO) for this result while still providing excellent (and well-catered) Scientific Meetings.

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

\$588,660 Rural Bank Term deposit @ 2.80%. Matures 29/10/2015
\$280,069 Investec Term Deposit @ 2.50%. Matures 30/12/2015
\$134,312 Investec Term Deposit @ 2.50%. Matures 30/12/2015
Total = \$1,003,041

We will continue to exercise a conservative investment approach. Although term deposits are yielding <3%, the current volatility in the share markets mean this still seems to be a prudent course. This yielded \$29,163 in 2014-2015 with this income decreasing year over year with interest rates (2013-2014 interest = \$37,612).

Expenses

Our society expenses are stable at about \$93,000 for 2014-2015. They are reduced on the previous year as we had some set-up costs for an upgraded internet and website service.

This includes;
Office - \$60,000 (Rent + salaries + minor extras)
Audit - \$4,800
IBMS associate membership - \$20,000
Council meeting costs - \$2,500
Awards - \$24,000 (Christine & T Jack Martin Research Travel Grant (\$15,000 - Amgen funded), Amgen-ANZBMS Outstanding Abstract award (x5, \$1,000 each - Amgen funded), Roger Mellick and Chris & Margie Nordin Young Investigator Awards, Kaye Ibbertson Award, Sol Posen Award (all \$1,000, funded by the society)

TREASURER'S REPORT

DR GETHIN THOMAS, ANZBMS TREASURER

The Society remains in a strong financial position.

Income

2014 Meeting profit – \$35,000
 Sponsorship - \$64,000 (including \$50,000 from Amgen for an unrestricted grant to study osteoporosis management in general practice and \$10,000 from MSD)
 Amgen donation - \$20,000 (covers Christine & T Jack Martin Research Travel Grant (\$15,000) and 5 Amgen-ANZBMS Outstanding Abstract awards (\$1,000 each)
 ANZBMS satellite meetings (post graduate trainee meetings + densitometry) - \$9,000
 Subscriptions - \$53,000
 Interest from term deposits - \$33,000

Subscriptions have increased significantly over the last 2 years through reviewing unfinancial members and encouraging them to renew. Many thanks to Ivone for managing this. The Society should acknowledge the contributions of the 2014 ASM POC and Nick Pocock for overseeing the Densitometry Courses and Markus Siebel for his efforts for the postgraduate training meetings.

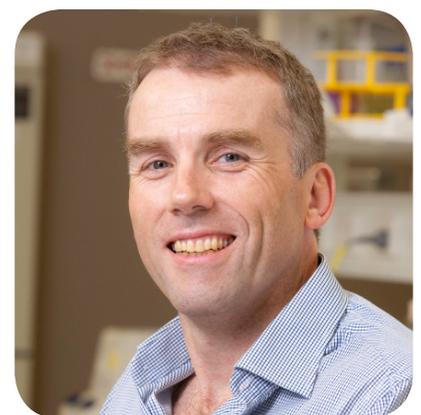
Future directions

For 2014-2015 we did not encounter any significant financial demands on the society and were able to increase our overall profit. Our current standard outgoings are likely to be fairly stable for the next few years with just minor increases to match cost-of-living expenses. Assuming moderate profits from meetings we should continue to realise a small profit every year. In 2016 however the Society will be supporting the Gap Fellowships for the first time. The exact value of neither these fellowships nor the duration is yet to be finalised but will be a significant amount which will impact our income from interest on our term deposits. However the Council unanimously felt these funds are better spent supporting our researchers in very difficult times. The financial impact on the society's income in the short-term is minimal compared to the potential impact on a researcher receiving a fellowship. For 2016, we anticipate income from interest to be ~ \$25,000 (at an interest rate of 2.5%), accounting for slightly reduced term deposits due to supporting

the Gap Fellowships.

I would like to offer my thanks to Ivone Johnson and Melissa Dupavillion who have provided excellent support to me as usual and Rod Laws of Tinworth & Co Chartered Accounts who has done a fantastic job on the accounts.

I would also like to thank the Council for their support during my tenure as Treasurer and I wish my successor, Nathan Pavlos, good luck although he will not need it as he will be in safe hands with Ivone



*Dr Gethin Thomas,
ANZBMS Treasurer*

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Australian and New Zealand Bone and Mineral Society

From Wikipedia, the free encyclopedia

This article may rely excessively on sources too closely associated with the subject, preventing the article from being verifiable and neutral. Please help improve it by replacing them with more appropriate citations to reliable, independent, third-party sources. (May 2014)

The **Australian and New Zealand Bone and Mineral Society** (ANZBMS) is a not-for-profit collegiate organisation and principal professional body for scientists and clinicians involved in **bone and mineral metabolism** research in Australia and New Zealand.

Since its inception in 1988, the ANZBMS has become one of the premier bone research societies in Australia, with its members recognised for their outstanding contributions made to clinical and biomedical musculoskeletal research. The ANZBMS continues to act as a policy advisor to governments^[1] and the community^{[2][3]} throughout Australasia on issues such as clinical bone disease and funding for musculoskeletal research.

Contents [hide]

- 1 Aims and Purpose of the Society
- 2 History
- 3 National and International Collaborations
- 4 ANZBMS Council
- 5 Education
- 6 Awards
- 7 See also
- 8 External links
- 9 References

Aims and Purpose of the Society [edit]

The major goal of the ANZBMS is the nurturing, development and dissemination of new knowledge regarding bone and mineral metabolism, with particular emphasis on issues of clinical relevance. The ANZBMS aims to promote excellence in bone and mineral research, to foster the integration of clinical and basic science, and to facilitate the translation of our science to health care. The society prides itself of its continued and successful activities to advance the education of clinicians, allied health professionals and the public in the nature of and management of diseases impacting upon the skeleton.

FACEBOOK

Please visit the ANZBMS Facebook page and "LIKE" us to keep up to date with current news items and upcoming events!

ANZBMS - Home Australian and New Zealand Bone and Mineral Society

facebook

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29 likes

Australian and New Zealand Bone and Mineral Society
Medical & Health

Timeline About Events Photos More

Australian and New Zealand Bone and Mineral Society created an event.
August 26 · 4h

ANZBMS Annual Scientific Meeting
Sunday, September 7 at 12:00pm in UTC+12
Millennium Hotel Queenstown in Queenstown, New Zealand
14 people went

Australian and New Zealand Bone and Mineral Society changed their cover photo.
August 25 · 4h

OUR MEMBERS

INTERNATIONAL RECOGNITION OF ANZBMS MEMBERS

ECTS Excellence in Research Lecture

This award is given to one of the invited speakers at the ECTS congress in recognition of his or her outstanding contributions to research in the field of bone and calcified tissues.

We are pleased to announce that the 2015 ECTS Excellence in Research Award Lecture had been delivered by Professor Ian Reid, thereby recognising his truly outstanding work over the past decades.



Professor Ian Reid

International Federation of Musculoskeletal Research Societies

Congratulations to Professor Markus Seibel, who was elected to the Board of Directors of the IFMRS.



Professor Markus Seibel

Officer (AO) In The General Division

ANZBMS congratulates Peter Ebeling on being awarded an OA "for distinguished service to medicine in the field of bone health, through academic contributions and research initiatives in a range of administrative, executive and professional roles." As many of you know, Peter was the President of our society from 1999 to 2001, and has served ANZBMS in many other roles over the years. He is also the Medical Director of Osteoporosis Australia and the Immediate Past President of the Endocrine Society of Australia. The bone field owes a lot to Peter who has been pivotal in promoting our cause not only in scientific terms but also on a political and wider community level.

Peter Ebeling and Helena Teede appointed to the NHMRC Research Committee

Congratulations to two Monash leaders on their appointments to the National Health and Medical Research Council (NHMRC) Research Committee.

Professor Peter Ebeling AO and Professor Helena Teede have both been appointed to the NHMRC Research Committee.



Professor Ebeling AO



Professor Helena Teede

OUR MEMBERS

ANZBMS MEMBERS PASSING

**Vale - Alwyn Michael PARFITT
1930-2015**



Michael Parfitt

Michael Parfitt died at home last week in Little Rock, Arkansas.

The Endocrine / Bone community of Australia first met Michael when he came from UCH, London to the Department of Medicine at the University of Queensland in 1959.

As one of his undergraduate students, and later his Registrar as a Physician trainee I admired him for his brilliant, incisive intellect, his knowledge and his physicianly example. Michael and his colleague Martyn Lloyd were the mentors who led a bunch of us in Brisbane into the developing field of Endocrinology at that time, and particularly stimulated our interest in calcium metabolism and bone.

Michael moved to USA in 1971 continuing pioneering work in metabolic bone disease, particularly bone histomorphometry, initially at the Henry Ford Hospital in Detroit, then in Little Rock. He continued to publish important papers, his last of 261 listed with PubMed being in 2014.

Michael is renowned and admired by all in the field. Recognising his contributions, the ASBMR awarded him in 1997 the Frederic C. Bartter Award for outstanding clinical investigation in disorders of bone and mineral metabolism; and in 2010 the William F. Neuman Award, the oldest and most prestigious award of the society.

Those of us who attended International Medical Meetings will remember his incisive questioning of presenters, especially when, on rising to his feet, his characteristic facial tic would warn of an impending difficult question to come.

Despite distance and the years we have remained firm friends. He will be sorely missed. He is survived by his wife, Elaine and their three children.

Don Perry-Keene

COMMITTEE REPORTS

THERAPEUTIC COMMITTEE REPORT

MSAC Application 1313 – Bone densitometry item number for women with breast cancer on or commencing aromatase inhibitors

Although a ratified report from the Evaluation Sub-Committee appeared to support bone mineral density measurements at baseline and for women already using aromatase inhibitors with follow-up examinations every two years, the MSAC has rejected our application. MSAC has indicated that a report outlining the reasons for rejecting the application will be forthcoming but has yet to be received.

Australian Commission for Safety and Quality in Healthcare – Clinical Standards on hip fracture care

The society has endorsed these recommendations and, in particular, has indicated strong support for the development of systems to prevent subsequent fractures after hip fracture and to collect data on re-fracture as a KPI for health services.

EVOLVE

This RACP initiative seeks to reduce the costs associated with low value procedures and seeks to develop lists of low value procedures from each of the Specialty Societies associated with the College, supported by an appropriate literature review. After the initial meeting in Sydney, we proposed that we combine our list with that of the Endocrine Society of Australia but the project manager remains committed to having a list from each Society.

Members of the Therapeutics Committee have come up with the following suggestions:

- Vertebroplasty
- High dose vitamin D therapy
- Calcitriol for the treatment of osteoporosis
- Anabolic steroids for the treatment of osteoporosis
- Parathyroidectomy for asymptomatic or normocalcaemic hyperparathyroidism
- DXA monitoring outside of approved HIC indications
- Measurement of vitamin D for non-skeletal indications
- DXA for body composition

The ESA has suggested the following items that are relevant to bone and calcium disorders:

- Don't routinely measure 1,25-dihydroxyvitamin D unless the patient has hypercalcaemia or decreased kidney function
- Avoid repeated measurement of 25-hydroxyvitamin D in patients with osteoporosis on stable vitamin D supplementation

The next step in the process requires us to request that the clinical members of the society suggest any additional item and then to poll the membership to obtain a final list. The RACP will assist in developing a survey monkey to achieve the final listing.



Mark Kotowicz

COMMITTEE REPORTS

RESEARCH SUB-COMMITTEE REPORT

The Research Sub-committee experienced a change of guard this year with Nathan Pavlos replacing long-standing ANZBMS member Dr Allison Pettit as Chair. On behalf of ANZBMS Council and the Research Subcommittee we would like to express our sincere gratitude to Allison for her selfless efforts as Research Chair. Although ending her term, we know that Allison will continue to remain an active member of the society and a prominent advocate for all ANZBMS researchers.

This year the Research Committee has continued to voice concerns raised by ANZBMS members with the NHMRC regarding appropriate FOR classifications, the ongoing need for the establishment of independent Musculoskeletal/Osteoporosis panels and greater representation and training for its members on grant review panels. Additionally, the Research Committee reviewed a submission for the NHMRC Portal concerning the paper "Current & Emerging Issues-NHMRC Fellowship Scheme". We would like to thank Prof David Findlay for championing the detailed submission and providing a collective voice for all ANZBMS early-mid career fellows. ANZBMS also continues to promote self-engagement of all financial members with both state and federal politicians by leading individual submissions to the federal government over the increasing challenges faced by ANZBMS members under the current funding environment.

Template submission letters were drafted by ANZBMS President Markus Seibel together with Research Committee Chair Nathan Pavlos and circulated to ANZBMS members to facilitate the ease of individual submissions.

The 2015 Research Committee further provided recommendations and direction to the International Federation of Musculoskeletal Research Societies (IFMRS) Publications Task force regarding the editorial direction of BoneKEy Reports as a future IFMRS publication. While discussions remain ongoing, the IFMRS is currently renegotiating with the Nature Publishing Group for a more tenable publishing model.

Members of the Research Subcommittee also actively participated in the review of several high quality applications for this year's Amgen GSK/OA ANZBMS awards. Additionally, committee members reviewed over 200 submitted abstracts for the 2015 combined ASM, and assessed numerous applications for both the Sol Posen, Kaye Ibbertson and Christine and Jack Martin Travel Awards.

Ranking of awardees was exceptionally difficult this year based on the outstanding number of excellent quality applications received, a testament to the high standard of research being conducted by ANZBMS members. ANZBMS Council and the Research Subcommittee was also proud to introduce a new initiative in 2015 in the form of the "ANZBMS Gap Fellowship" in the hope of supporting and retaining some of our best and brightest early-mid career researchers who narrowly missed out on fellowship funding in what is an increasingly fierce funding climate. Finally, I'd like to take the opportunity to thank all of the Research Sub-committee members for their contributions and support in 2015.



Nathan Pavlos

COMMITTEE REPORTS

FIRST NATIONAL FORUM ON SECONDARY FRACTURE PREVENTION

Dear Colleagues,
On 20th November 2015, representatives from 22 organisations gathered in Sydney to attend the inaugural National Forum on Secondary Fracture Prevention.

This meeting was a direct result of a Position Paper published by the Australia & New Zealand Bone and Mineral Society (ANZBMS) and endorsed by a large number of organisations and key stakeholders. The Paper drew attention to the appalling lack of effective osteoporosis care in Australia, and the shocking fact that 80% of patients who suffer a fragility fracture receive no treatment to prevent further fractures.

The case for addressing the lack of osteoporosis awareness, both among health professionals and patients, has been made repeatedly over the past 15 years. However, despite several 'white papers' published in 2001, 2007

and 2013, and even the inclusion of osteoporosis as part of the 7th Australian National Health Priority¹ in 2002, little or no progress has been made. One reason for this failure was the lack of a peak body that encompassed ALL stakeholders to speak with one unified voice.

The First National Forum on Secondary Fracture Prevention is a loud and clear call to action. The aim is to enable all stakeholders to develop a shared understanding of the key elements of a national approach to secondary fracture prevention, and to forge a National Alliance to ensure strong advocacy for the uptake of this approach by Federal and State Governments. Similar Alliances have been formed overseas, and particularly in the US, and these Alliances have been extremely successful in getting heard by Governments that would not otherwise have listened.

It is my sincere hope that this forum will mark the first meeting of a successful National Alliance that will go forward and conquer the unnecessary burden of secondary fragility fractures on the ageing population of Australia. In the pages of this report I hope you find the evidence to convince you to take action.

[Download full meeting report](#)



Professor Markus Seibel

DENSITOMETRY SUB-COMMITTEE ANZBMS TRAINING COURSE

The course in Brisbane in February was very successful with over 70 registrants. The next course is due to run in Sydney in April 2016.

DXA Medicare Item No. The previously planned DOH review of the Medicare reimbursement for DXA and the provisions of the service have now been deferred and are being incorporated into a larger review of Medicare service provision.

Body composition scans
The concerns about the entrepreneurial use/abuse of DXA for body composition was raised by the Densitometry to ARPANSA. No action has been forthcoming.



Nick Pocock

COMMITTEE REPORTS

PROGRAMME ORGANISING COMMITTEE 2015

The ANZBMS/MEPSA/MBSANZ Programme Organising Committee has worked collaboratively and efficiently this year, with great support from Ivone Johnson, and our Professional Conference Organiser, Lara Birchby, to produce what we hope will be both an attractive and stimulating conference programme. This year we are fortunate to have an unprecedented international line-up with 10 invited plenary speakers from all corners of the globe including Mike Briggs (Newcastle University, UK), David Ke (UK), Henry Kronenberg (MGH & Harvard Medical School, USA), Lai Guan Ng (ASTAR, Singapore), Socrates Papapoulos (Netherlands), Johanne Martel-Pelletier and Jean-Pierre Pelletier (University of Montreal, CA), Mariusz Ratajczak (University of Louisville, USA), Jerry Turnbull (University of Liverpool, UK), Marian Young (NIH, USA). Almost 200 abstracts were submitted of which 56 have been accepted for oral presentation. Five clinical cases were additionally selected for Clinical Grand Rounds. The balance will be presented across five poster sessions including a session dedicated to 20 plenary posters. We are grateful to the 12 society members who refereed these abstracts. The submitted abstracts are complemented by 26 invited national speaker presentations and a Meet-the-Professor session by Lai Guan Ng. We are grateful for the generous support from industry,

in particular Amgen (platinum sponsor), Allergan (gold sponsor), OrthoCell (namebadge sponsor) and Hologic who will sponsor a breakfast symposium. As a result, we expect the meeting to run at a modest profit. We would like to thank all members of the POC, the LOC, the Session Chairs and all others who have contributed to this meeting for making it such a success.

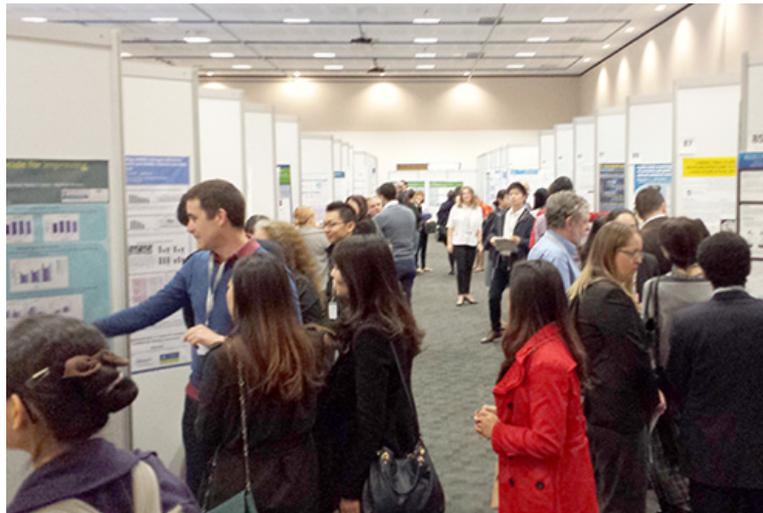


Graeme Jones and Nathan Pavlos

ASM 2015



ASM 2015





PARTNERSHIP

IBMS MEMBERSHIP

Furthering the partnerships of ANZBMS with other societies, last year ANZBMS became an Affiliate Member of the International Bone and Mineral Society. ANZBMS became the third Society member of IBMS. The other societies are The Spanish Society for Bone and Mineral Metabolism Research (SEIOMM) and the Japanese Society for Bone and Mineral Research (JSBMR). The affiliation with IBMS provides financial members of ANZBMS full IBMS membership status, and includes:

1. IBMS full membership status;
2. Free access to BoneKEY Reports via the IBMS website;
3. Access to member only areas of BoneKEY (not provided by institutional library access);
4. Voting and committee rights for IBMS; discounts at IBMS meetings (e.g., annual meetings, Sun Valley and CIBD);
5. Eligibility for IBMS awards – travel, Fellowship (Rodan and Gregory R. Mundy) and IBMS Awards; and
6. Discounts on “open-access” and nature.com.

Furthermore, the ANZBMS will have the opportunity to promote announcements communicated by IBMS, ability to publish meeting content on BoneKEY, receive branding position on the IBMS website, and preferential pricing on some services.

ANZBMS 2015

AWARD RECIPIENTS

AMGEN OUTSTANDING ABSTRACT AWARD

Michelle McDonald

Institute: Garvan Institute of Medical Research
Title: Anti-sclerostin treatment prevents multiple myeloma bone disease and reduces tumour burden

Dr Allison Pettit

Mater Research Institute – University of QLD
Title: CD169+ osteal macrophages are required for optimal fracture repair.

Audrey Chan

Institute: QEII Medical Centre, WA
Title: Sorting Nexin 27 Links PTHR signalling to the retromer trafficking complex during postnatal bone growth

Le Phong Thao Ho

Institute: University of Technology, Sydney
Title: Polygenic risk score improves fracture risk prediction: The Dubbo Osteoporosis Epidemiology Study

Ayano Nakayama

Institute: Nagasaki University, Japan
Title: Evidence of effectiveness of a fracture liaison service to reduce the re-fracture rate



Ayano Nakayama, Le Phong Thao Ho, Michelle McDonald, Allison Pettit, and Audrey Chan receiving their Amgen awards

ANZBMS 2015

AWARD RECIPIENTS

KAYE IBBERTSON AWARD

Rachelle Johnson Institute: Stanford University, USA
Joshua Lewis Institute: University of Sydney



Rachelle Johnson



Joshua Lewis

CHRISTINE AND TJ MARTIN TRAVEL GRANT

Christina Vrahnas
 Institute: St. Vincent's Institute of Medical Research
 Visiting: Dr Eleftherios Paschalis – Ludwig Boltzmann Institute of Osteology, Vienna, Austria, Dr. Cyril Petibois – University of Bordeaux, Talence, France, 43rd Annual European Calcified Tissue Society Congress 2016, Rome, Italy



Christina Vrahnas

SOL POSEN AWARD

Dana Bliuc
 Institute: Garvan Institute of Medical Research
 Paper title: Risk of subsequent fractures and mortality in elderly women and men with fragility fractures with and without osteoporotic bone density: the Dubbo Osteoporosis Epidemiology Study



Dana Bliuc

ROGER MELICK YOUNG INVESTIGATOR AWARD

Nilofar Ansari
 Institute: St Vincent's Institute of Medical Research
 Title: Osteocyte-derived parathyroid hormone-related protein is necessary for normal osteocyte function, bone mass and strength



Nilofar Ansari

ANZBMS 2015

AWARD RECIPIENTS

NORDIN YOUNG INVESTIGATOR POSTER

Dzenita Muratovic

Institute: The University of Adelaide
Title: Knee Osteoarthritis: Bone marrow lesions detected by specific MRI sequences associate with severity of osteochondral degeneration in mice

Scott Yaulten

Institute: Garvan Institute of Medical Research
Title: Exploring the osteocyte transcriptome



Scott Yaulten Dzenita Muratovic

MSD-ANZBMS CLINICAL RESEARCH EXCELLENCE

Hanh Nguyen

Institute: Monash Health
Abstract title: Delay in oestrogen commencement is associated with lower spine and hip bone mineral density in Turner Syndrome



Hanh Nguyen

ANZBMS CAREER ACHIEVEMENT AWARD

Howard Morris



Howard Morris

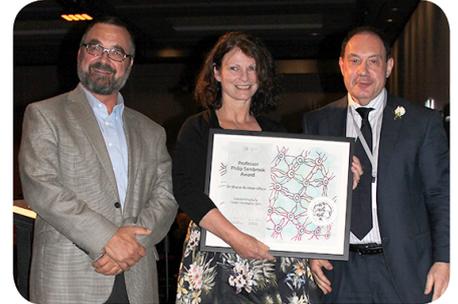
ANZBMS 2015

AWARD RECIPIENTS

THE PHILIP SAMBROOK AWARD

Dr Sharon Brennan-Olsen
 'Does DNA Methylation Underpin the Social Gradient of Osteoporotic Fracture? A Conceptual Model.'
 Dr Brennan-Olsen currently leads the Social Epidemiology Research Unit at Deakin University, conducting cross-disciplinary research in public health, epidemiology and health education. The cornerstone of Dr Brennan-Olsen's recent work is the biology that underpins the social gradient of osteoporosis, hypothesising that socially disadvantaged individuals are at greater risk of osteoporotic fracture due to biological changes induced by chronic stress.

Dr Brennan-Olsen and her colleague Dr Kara Holloway have presented this work at the 2015 American Society for Bone and Mineral Research annual meeting in Seattle, and the 2015 Australian and New Zealand Bone and Mineral Society Annual scientific meeting in Hobart.



Dr Sharon Brennan-Olsen

AMGEN/GSK GRANT RECIPIENTS

Professor Julie Pasco,
 Deakin University
 'Clinical utility of reference point indentation'
 Measurement of bone mineral density is routinely used to assess fracture risk, but is not an accurate method of predicting who is more likely to have a fracture. Professor Pasco's project will test an alternative way of measuring bone quality to assess fracture risk. The OsteoProbe will be used to measure the ability of bone to resist the growth of cracks in a group of men participating in the Geelong Osteoporosis Study. The new measures will be compared with other ways of measuring bone quality and strength, and

the relationships with health behaviours, psychosocial factors and health conditions will be explored. This new research has the potential to change the way that bone health is assessed. The long-term goal is to improve the diagnosis and treatment of people at risk of fracture.



Professor Julie Pasco

ANZBMS 2015

AWARD RECIPIENTS

AMGEN/GSK GRANT RECIPIENTS

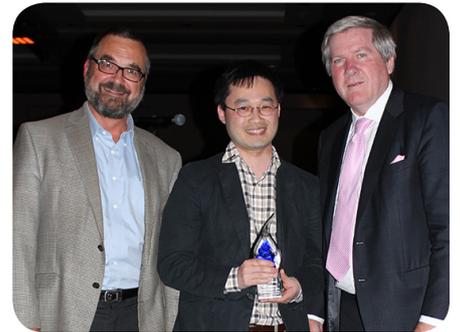
Dr Phillip Wong,

MIMR-PHI Institute

'Treatment of Osteoporosis in Patients with Inherited Red Blood Cell Disorders'

Osteoporosis and fracture is a common problem in adults with inherited red blood cell disorders that require regular blood transfusion. Over 50% of patients with these disorders have severe osteoporosis, even in early adult life. This bone disease progressively worsens, leading to fracture and pain. Working at Monash Health with one of the world's largest groups of patients with inherited blood disorders, Dr Wong's research has shown that patients lose excessive amounts of calcium in

their urine, putting them at risk of kidney stones and weakened bones. This project examines the use of a diuretic (fluid tablet) to prevent the loss of calcium in the urine and reduce bone loss. This study will be the first of its kind worldwide to target calcium loss in urine to prevent bone loss and decrease kidney stones in people with inherited blood disorders needing transfusion.



Dr Phillip Wong

ANZBMS GAP FELLOWSHIP

In recent years, funding for mid-career researchers has become increasingly difficult to obtain, jeopardising the future career of many of our colleagues in bone and mineral research. The ANZBMS has therefore created a new Fellowship Award with the intention to bridge shortfalls in salary funding for mid-career scientists.



Dr Allison Pettit

ANZBMS 2014

AWARD RECIPIENTS

CHRISTINE AND T.J. MARTIN RESEARCH TRAVEL GRANT 2014 FINAL REPORT

Yohann Bala, PhD
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I would like to take advantage of this report to acknowledge the ANZBMS for awarding me the 2013 Christine and T.J. Martin travel award. I have been truly honoured to receive this grant and when I see who received it earlier, I do think that it helps a lot to create strong collaborations across the globe...As a fun fact and to illustrate my point, I had the privilege to work with Prof. Mark Forwood (Griffith University, Gold Coast, QLD) when he was in Lyon, France, thanks to the Christine and T.J. Martin Research Travel Grant he obtained in 2006. This grant was certainly one of the achievement of my 3 years stay as a postdoc in Prof. Ego Seeman's group. This grant allowed me to stay in the Department of Engineering, Cambridge University, UK where I was trained by Dr. Graham Treece to use a recent image processing pipeline to quantify cortical thickness of the proximal femur from standard QCT images. Dr. Graham Treece's close collaboration with Dr. Ken Poole from the University of Cambridge Department of Medicine has provided the community with new insights in the understanding of the morphometric bases of bone hip fragility and the effect of some anti-osteoporotic therapies. In addition, the travel grant allowed me to attend the ASBMR meeting in Austin, Tx, USA during September 2014.

Finally, the grant greatly helped me to participate to two other meetings, the 44th Sun Valley Workshop, ID, USA, organized by Prof. David Burr and the Advances in Mineral Metabolism (AIMM) meeting in Snowmass, CO, USA.

Laboratory Visited:

During November 2014, I spent time in the department of engineering supervised by Dr. Graham Treece. To give a bit of background about the project that, we aimed to determine the age-related changes in the proximal femur cortex thickness. To do so, I had the chance to collaborate with Prof. John Clement and Mr. David Thomas (Melbourne Dental School, The university of Melbourne, Australia) who allowed me to draw some autopsy human proximal femurs from the Melbourne Femur Collection. This unique collection, includes for each sample the anthropometric data and medical history allowing the construction of a 'reference population' excluding samples from bodies of persons who had pathologies and/or treatments known to affect bone metabolism. Thanks to the help of Ali Ghasem-Zadeh and Jia Wei Teo from prof. Ego Seeman's group, I managed to image the 100 proximal femurs selected (50 males and 50 females aged from 20 to 100 years) using High-Resolution pQCT (ExtremCT, Scanco Medical, Brüttisellen, Switzerland). This step led us with a massive and unique dataset of proximal femur images with a voxel size allowing accurate quantification of bone microstructure.

Dr. Graham Treece, Dr. Andrew Gee and colleagues developed a suite of software allowing "quite simply" the analysis of biomedical images producing 3D maps of

cortical thickness (see Treece et al, Medical Image Analysis 2010 and Treece et al, JBMR 2015 for details). During the different steps of image processing I had the chance to benefit from Dr. Treece's precious advices that permit me to generate the data to then statistically test the significance of local differences. We did not only observe changes in cortical thickness on the overall proximal femurs but also focal spots of highly significant differences (see figure). These focal and intense area of bone loss could, at least partially, explained the fragility in the femoral structure that raises with ageing by destabilizing the dispersion of the loads during a fall. To extend this project from the mechanical point of view, I have started from France (where I am currently working) a collaboration with Dr. Saulo Martelli (School of Computer Science, Engineering & Mathematics, Flinders University, Adelaide, SA, Australia) and A/ Prof. Peter Pivonka (St. Vincent's Department of Surgery, The University of Melbourne, Melbourne, VIC, Australia.) to use computational modelling to estimate bone strength from the CT images. This will permit us to investigate the role of these local deteriorations in proximal femur estimated strength and risk of fracture.

In Summary, this grant allowed me to initiate a collaborative network with people from UK and Australia. It has been a chance to do so during my postdoc, probably the most important time in a career to be supervised by- and collaborate with great researchers. This comes on the top of having learned new techniques in the biomedical imaging field that I will certainly use in my future research.

CHRISTINE AND T.J. MARTIN RESEARCH TRAVEL GRANT 2014 FINAL REPORT

Conference Attendance:

I attended in 2014 the ASBMR meeting in Houston, Tx, USA. This is probably the most important congress in our field (after the ANZBMS of course..!) in term of size and scientific excellence. I presented here a plenary poster about morphometric changes during growth and ageing and how these changes influence fragility fractures across lifetime. I had great discussions and advices about this topic during the meeting, that probably helped the preparation of the related manuscript (recently published in the JBMR). The grant also helped my participation in two 'smaller' (by size and certainly not by the scientific quality..!!) meetings. The first one was the 44th Sun Valley Workshop, ID, USA, organized by Prof. David Burr and the second, the Advances in Mineral Metabolism (AIMM) meeting in Snowmass, CO, USA. Both of these meetings are organized to help young investigators to present their work in front of great senior researchers who clearly make our field...By the way, I must admit that either Sun Valley or Snowmass are great places to share about science and have good time with great people!

Overall Outcomes:

I am extremely grateful to AMGEN and ANZBMS for this travel grant. It was a great help during my postdoc, it helps me to attend relevant conferences to present my work, to discuss about it and to get a critical opinion from my peers. Moreover, I have been able to learn new techniques in image processing with the people who created it and I am currently applying it in my new position. Finally, what an honour to be awarded with a grant entitled 'Christine & T. Jack Martin Research Travel Grant', Prof. Martin's tremendous work has a huge influence on my work, on my thinking...His papers and reviews are always a great pleasure to read...This one of the author whose papers are always insightful, you can read them again and again and you will systematically learn something new.



Yohann Bala

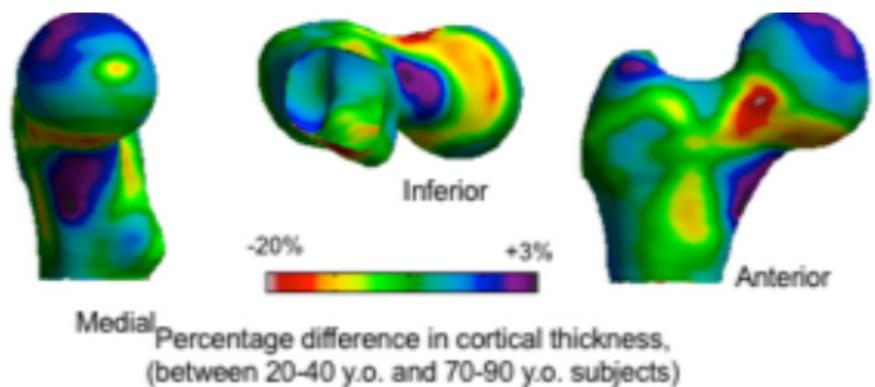
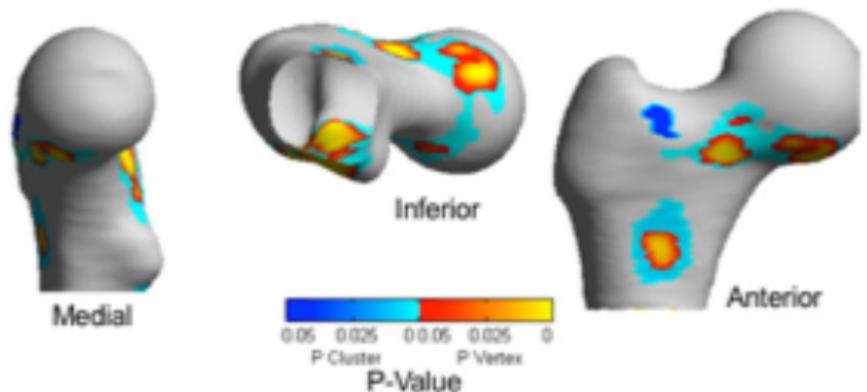


Figure: Example of results obtained comparing the cortical thickness between young (from 20 to 40 years old subjects) and older (from 70 to 90 years old subjects). The upper panel, highlights that in this population increasing age was associated with a local decrease in cortical thickness close to the junction between femoral head and femoral neck producing highly significant differences (lower panel).



FUTURE ASM

**Joint ESA-SRB-ANZBMS Annual scientific meeting in 2016
Gold Coast Convention & Exhibition Centre
Sunday 21 August – Wednesday 24 August 2016**

So in 2016, ANZBMS will join with the Endocrine Society of Australia (ESA) and Society for Reproductive Biology (SRB) for a combined Scientific Meeting, on Queensland's Gold Coast from 21 – 24 August 2016. With the three combined societies, over 900 delegates are expected – so it's going to be an exciting and dynamic meeting and a great opportunity to build new collaborations with our endocrine and reproductive biology colleagues and to showcase our strengths in both basic and clinical bone and mineral research. Our last meeting at the Gold Coast was in 2011 so many members

will remember what a wonderful location the Gold Coast is for a conference – excellent conference facilities, good quality and affordable accommodation, rich rainforest hinterland with wonderful walks and award-winning wineries to explore, and of course the beautiful beaches only five minutes away for an early morning jog or midday swim between the flags. And of course the science will be world-class. Profs Mike Rogers and Mark Cooper have kindly agreed to be joint ANZBMS chairs for the programme organising committee for this meeting. The programme will include invited plenary presentations, seminars, meet-the-professor sessions, basic and clinical abstract presentations, young investigator awards, poster sessions – and of course many opportunities to network and discuss science and medicine, with a welcome function,

students' BBQ, mentoring sessions, and conference dinner and dance to celebrate being together and talking about clinical and basic science non-stop for three days. Although we will have our own bone and mineral stream, delegates will be able to attend any of the three societies' presentations, allowing for a diverse and broad conference experience.

ANZBMS members will also be able to attend the ESA clinical and basic science weekends held immediately before the main scientific meeting. These weekends have proved very popular with the ESA membership, particularly the more junior members of the society. Both meetings are separate from the main scientific meeting and will require separate registration for interested participants.



The Joint Annual Scientific Meetings of the Endocrine Society of Australia, the Society for Reproductive Biology and the Australian and New Zealand Bone and Mineral Society

Gold Coast Convention and Exhibition Centre | 21st -24th August, 2016



So please mark the dates in your diary - ESA/SRB/ANZBMS 2016.

FUTURE ASM

**Joint ANZBMS-IFMRS
(previously IBMS) meeting
2017
Saturday 17 June – Wednesday
21 June 2017
Brisbane Convention and
Exhibition Centre**

I would like to start by thanking Gethin and Markus for the enormous amount of legwork that has gone into the organisation of this meeting already. In 2013, ANZBMS signed an agreement with IBMS to hold a joint meeting in Brisbane. As many members are aware, the IBMS is currently holding discussions about transitioning into the International Federation of Musculoskeletal Research Societies (IFMRS). I have had a number of meetings with various representatives of the IFMRS and I am happy to confirm that IFMRS is committed to a joint meeting in 2017 and planning is now firmly underway.

Originally this meeting was planned for late March 2017. However, as the American Endocrine Society moved their main meeting from June to March, we felt it was prudent to move dates to those listed above to avoid conflicting conferences.

ANZBMS has secured substantial financial support for this meeting (comprising both cash and in-kind support) from the City of Brisbane, Brisbane Marketing and BCEC [Brisbane Convention and Exhibition Centre].

We are hoping that the 2017 ANZBMS-IFMRS joint meeting will attract up to 1000 delegates. The last joint ANZBMS-IBMS meeting in 2009 drew over 900 delegates, half of whom came from abroad. In particular, the Japanese Society Bone and Mineral Research were strongly involved in the last combined meeting, as they have been with several of our ASMs recently. We hope that JSBMR will again be richly involved.

We are currently drawing together the programme organising committee and local organising committees. ANZBMS members who are keen to participate are encouraged to let me or another member of council know – it's a great opportunity to work with international colleagues and develop invaluable exposure and experience to conference organisation and governance of our society.

Brisbane mid-winter is truly a revelation to those of you starved of sunshine in the deep south. The weather is balmy, the evenings cool, the rainforest lush, the water warm enough to swim, and the whales will be massing in Moreton Bay!

**So please mark the dates in your diary
Saturday 17 June – Wednesday 21 June 2017
Brisbane Convention and Exhibition Centre**



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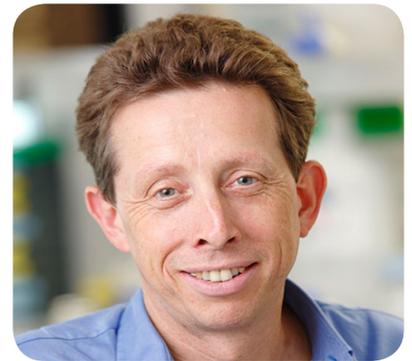
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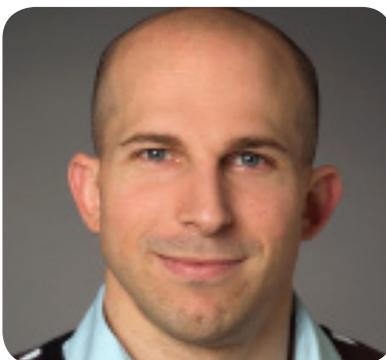


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