

ANZBMS EARLY CAREER INVESTIGATOR Newsletter

Meet Our New ECIC Members

The President's Vision for ECIs

ECI Spotlight

ECI Highlights at the 2019 ANZBMS ASM

Cover Image: A large osteoclast differentiated from Raw 264.7 cells imaged using FLIM. The cell was transfected with a GFP-tagged membrane transport protein, lyso-tracker red, and Hoechst nuclear staining. Image taken by Amy Ribet, Bone Biology and Disease Lab, School of Biomedical Science, The University of Western Australia.



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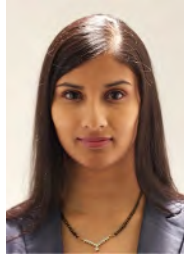
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ECIs please send us your scientific images - the best will feature on the front page of our next issue.

 ecic@anzbms.org.au

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Editorial Board



Dr. Sabashini Ramchand



Dr. Melissa Cantley



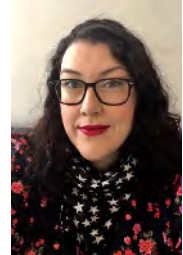
Dr. Ayse Zengin



Dr. Renee Ormsby



Mr. Aaron Fernandez



Dr. Victoria Leitch



Dr. Emma Buckels



Ms. Amy Ribet

ECIC Co-Chairs Report

We are overwhelmed and extremely pleased by all the comments we received about our inaugural newsletter issue, from both senior researchers and ECIs across Australia and New Zealand – thank you! The events that the ECIC organised for ECIs at the 2019 ANZBMS Annual Scientific Meeting were also well received – particularly Bones and Brews, the Clinical Cases Seminar and the Career Development session on grants and reviewing manuscripts. Several ECIs mentioned that the Bones and Brews event allowed them to interact with senior researchers, who then came to visit their posters during the meeting.

At the meeting in Darwin, we also held our very first Town Hall meeting to enable the ECIC to meet with ECIs and discuss what initiatives we should focus on in the future. A number of ECIs highlighted a lack of collaboration opportunities within ANZBMS. As such, we will aim to facilitate increased opportunities for ECIs to develop collaborations across Australia and New Zealand. To this end, we have commenced organising a new event to be held at the 2020 ASM in the Gold Coast. The Town Hall meeting was a fantastic opportunity to hear from ECIs at various stages of their career ranging from PhD students to emerging leaders. We encourage you all to attend at the next ASM as we would like to have the opportunity to meet you and hear your suggestions about ECIC initiatives and how we can best support the ECI community.

Since the ASM, several ECIs have contacted us wishing to volunteer their time to help with ECIC initiatives. We are very excited about this positive energy and motivation that exists within the next generation of bone and muscle researchers in Australia and New Zealand. As such, we would like to welcome our two new editorial board members Dr. Emma Buckels (Research Fellow, Molecular Medicine and Pathology, The University of Auckland) and Ms. Amy Ribet (PhD candidate, Bone Biology and Disease Laboratory, School of Biomedical Science, University of Western Australia).

Finally, we'd like to congratulate Prof. Natalie Sims on taking on her role as ANZBMS President. Please read Prof. Sim's motivational article on page 5 of this issue.

We are looking forward to a productive and enjoyable 2020. We hope to see you at the 2020 ASM in the Gold Coast.

Dr. Ayse Zengin and Dr. Melissa Cantley

ECIC Co-Chairs



Meet the 2020 ECIC

The Early Career Investigator Committee (ECIC), formed in 2017, aims to help shape future bone and mineral research in Australia and New Zealand by fostering active engagement of early career investigators within ANZBMS, supporting professional development and facilitating interactions between junior and senior members.



**Dr. Ayse
Zengin**



**Dr. Melissa
Cantley**



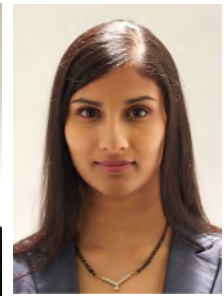
**Dr. Eleanor
Thong**



**Dr. Laura
Laslett**



**Dr. Marc
Sim**



**Dr. Sabashini
Ramchand**

**New
Members
2020**



**Dr. Alicia
Jones**



**Dr. John
Kemp**



**Dr. Natalie
Hyde**



**Dr. Sarah
Hosking**



**Dr. Victoria
Leitch**

We would like to thank the outgoing ECIC members Dr. Jasna Aleksova, Dr. Ashika Chhana, Dr. Joshua Lewis, Dr. Renee Ormsby and Dr. Alexander Rodriguez for their timeless effort and commitment to the ECIC.

A warm welcome to our new ECIC members - Dr. Alicia Jones, Dr. John Kemp, Dr. Natalie Hyde, Dr. Sarah Hosking, and Dr. Victoria Leitch.

Dr. Alicia Jones is an Endocrinologist at Monash Health and a PhD candidate at the Monash Centre for Health Research and Implementation, Monash University School of Population Health and Preventative Medicine, Victoria. Her research focuses on models of care delivery in osteoporosis in order to provide equitable access, particularly to people living in rural areas. *Dr. Jones will replace Dr. Aleksova on the Clinical Training sub-committee.*

Dr. John Kemp is a genetic epidemiologist and a NHMRC Leadership Fellow at the Diamantina Institute, Faculty of Medicine, University of Queensland. His research aims to identify pharmacological targets for osteoporosis intervention by applying innovative statistical and molecular genetic methods to the world's largest genetic study of osteoporosis. *Dr. Kemp will replace Dr. Ramchand on the Career Development sub-committee.*

Dr. Natalie Hyde is a postdoctoral research fellow at the Epi-Centre for Health and Ageing, Deakin University, Geelong, Victoria. Currently, she is developing a research program investigating the role of the developmental origins of musculoskeletal health, with a particular focus on various exposures during pregnancy and musculoskeletal health in later life. *Dr. Hyde will replace Dr. Rodriguez on the Career Development sub-committee.*

Dr. Sarah Hosking is a postdoctoral research fellow within the Institute for Mental and Physical Health and Clinical Translation, Deakin University, Victoria. Her research focuses on the influence of health literacy in osteoporosis prevention and management. Dr Hosking is investigating associations between health literacy and appropriate use of medications to prevent low-trauma fracture. *Dr. Hosking will replace Dr. Chhana on the Events sub-committee.*

Dr. Victoria Leitch has worked as a Postdoctoral Research Associate with the Origins of Bone and Disease Project based at Imperial College London, and now works on the Just-in-time implants project at RMIT University, Melbourne. Her research interests include the genetics of bone disorders, thyroid hormone and bone, osseointegration and craniofacial development. *Dr. Leitch will replace Dr. Ormsby on the Communications sub-committee.*

Dr. Sabashini Ramchand has completed her term as Co-Chair. She will remain on the committee as Past Co-Chair and ECIC Representative on the ANZBMS Program Organising Committee.

If you have any ideas for the ECIC or if you would like to find out how you can get involved, please send us an email: ecic@anzbms.org.au. We would love to hear from you!

Don't forget to follow us on Twitter  @anzbms_ecic



ANZBMS President's Vision for ECIs

Prof. Natalie Sims

ANZBMS President; Head, Bone Cell Biology and Disease Unit, St. Vincent's Institute of Medical Research, Victoria; Professorial Fellow, The University of Melbourne, Victoria



As incoming President, what is your vision for the ANZBMS?

My highest priorities are to engage our members more actively in the functions of the society, and to make sure our society works more effectively with other related organisations. ANZBMS is an important voice that promotes bone research and improved health care for people with skeletal conditions. We will be most effective if we all work together and benefit from the ideas and experience of each other. There are lots of ways to be involved. As well as the Early Career Investigator Committee, we have other sub-committees with specific functions, like the Research Committee, Therapeutics Committee, and the Communications Committee. They always need volunteers, either as long-term committee members or for short tasks – so get in touch with them! It was very exciting at the AGM last year to see how passionate our members are about advocacy work, both to improve patient care, and to improve funding for research in our field. I also strongly believe it is important for ANZBMS to work together with other organisations and related societies in Australia (like Osteoporosis Australia, ANZORS and the Endocrine Society), in our region (such as Japan, Korea, China, India), and around the world (ECTS and ASBMR). We have been working to make these relationships stronger for some years, and we have some great plans for the future.

You are very active and engaged on Twitter, do you have any advice on using social media to promote yourself and your work?

I think the most important thing is not to use Twitter just for self-promotion! Certainly post about the work you are doing, but also be sure to use Twitter to hear about and engage with the work of others. It's a great way to get to know people outside of Australia and New Zealand too.

If you read someone's paper, you can tweet about that, and tag them, so they know you liked it. Respond to the tweets that other people make, and remember that it's a public forum, so take care about what you say and how you say it. And if there's something you'd like the ANZBMS to notice, make sure to tag @ANZBMSoc. In the midst of that be sure not to get sucked into a Twitter time-vortex – it can be addictive, so set a time limit if you need to.

Do you remember any issues/roadblocks/challenges you encountered when you were an ECI? How did you overcome them?


Transitions between labs were the most difficult things to manage. Maintaining momentum while moving countries, moving labs, finding the right equipment, and deciding which projects to focus on was an enormous challenge. The only way to get through was to be very focussed and efficient while at work, and to keep pushing myself to identify and work through roadblocks in each project. Because I do fairly long-term studies, I also discovered that I work best if I have multiple projects on the go (although I admit that sometimes I have too many). The way I made it work was to be very deliberate about spending a regular afternoon each week thinking about my priorities for each project area I was working on, what was getting in the way of my progress, and working out how I could address them in the week ahead. While I do a lot of that on the fly now, I still find lists are the best way for me to focus my attention.

What strategies do you use to balance your role as a leader in women in STEM and having a family/private life?

I certainly have a life outside of work, and that's always been very important to me: family, volunteer work, and music-making give me perspective and provide creative outlets that keep me from getting stressed out. I'm very deliberate about making sure I have regular planned non-work time – this includes time away from email! Another thing, and this is not really a strategy, but I also have an excellent spouse! We work together as a team to manage child-rearing, meal preparation, and housework responsibilities so that we can both do the jobs we love and enjoy life outside of work. Oh, and of course, having a great team in the lab has also helped!

 nsims@unimelb.edu.au

 [@NatalieASims](https://twitter.com/NatalieASims)

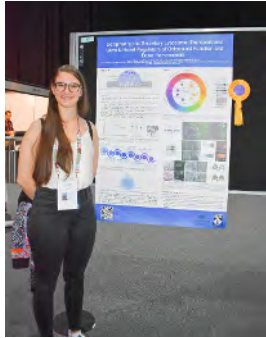
 https://www.svi.edu.au/research_themes/research_staff/prof_natalie_sims



ECI Spotlight - Christopher & Margie Nordin Young Investigator Poster Award Winner

Ms. Amy Ribet

Bone Biology and Disease Laboratory, School of Biomedical Science, University of Western Australia, Western Australia



What is your research about?

My work focuses on deciphering the inner workings of the osteoclast's secretory lysosomal system. We focus on late endosomes and lysosomes as these organelles and the proteins that populate their surface are of particular importance for the cell type. Membrane transport proteins regulate a large portion of the exchanges the

cell makes with the extracellular environment as well as internally between organelles and the cytosol. One might guess that these proteins play a critical role at the interface between the osteoclast and the bone surface destined to be digested. Ions and enzymes get pumped onto the bone while many membrane transport proteins work at this cell/bone interface to maintain cellular electroneutrality and an appropriate pH. The orthopaedic community is well acquainted with the importance of the V-ATPase proton pump and some may also know about ClC-7, the chloride ion channel; or Slc4a2, that maintains electroneutrality in osteoclasts. The rest of the players (membrane transport proteins) remain unnamed and unknown. To put a name on the remaining transporters critical to osteoclast function I use innovative organelle isolation techniques along with mass spectrometry, proteomics and confocal microscopy. The final aim is to create a reliable map of all membrane transport proteins important for the function of osteoclasts. This will increase our understanding of the complex and rich exchanges the cell makes with the bone and ultimately create new opportunities for drug development and better treatments for bone disorders.

What did winning the Chris and Margie Nordin Young Investigator award mean to you?

Being awarded the Christopher and Margie Nordin Young Investigator award was a thrilling experience. It was my first time attending the ANZBMS annual meeting and I felt both excited and a little apprehensive meeting the people behind the papers I had enjoyed reading. What I discovered was a bright, friendly and supportive community invested in creating opportunities for young PhD students like me. I felt proud to present my work at ANZBMS 2019 ASM. It can be hard to know if your work is progressing in the right direction when isolated in Perth and I was glad receiving precious feedback from this community. This award wasn't the most valuable thing I took away from this meeting, but it was most definitely a big (fat) cherry on top.

What are your goals for the future?

The most obvious goal I'd like to reach in the next few years is to graduate from this PhD. I have learnt a great deal since starting and there is a great deal more I want to learn before it's over. I've been lucky enough to be a part of a fantastic research team with great supervisors that have all contributed to my academic success.

Once this PhD is over, I want to keep working in research. I haven't thought about details yet, but I know that research is where I can do the most good. There were a number of female team leaders at this meeting and they are who I want to become when I grow up.



Amy Ribet receiving her award from Prof. Peter Croucher (left) and Prof. Natalie Sims (right), with supervisor Prof. Nathan Pavlos (centre).

What was your highlight of the ANZBMS ASM, besides winning this award?

The highlights were some of the presentations that I found fascinating. It's great to hear directly and aloud from the people doing the research. It seemed like presenters were able to convey the passion and excitement they have for their subject by talking us through their process. At times, I felt like this enthusiasm was contagious and it was a nice contrast to the written world of peer-reviewed papers. There are a few presentations that I have re-watched using the online recordings because I had enjoyed them so much the first time around.

<https://www.anzbms.org.au/grants-and-awards-christopher-and-margie-young-investigator-poster-award.asp>



ECI Spotlight - Roger Melick Young Investigator Award Winner

Dr. Amy Harding

Menzies Health Institute Queensland, School of Allied Health Sciences, Griffith University, Queensland

What is your research about?

My research interests are focused on exercise programs designed to preserve bone mass in individuals with osteopenia and osteoporosis, and strategies to reduce the risk of falls and fragility fracture in older adults. My PhD research project, the LIFTMOR-M trial, focused on bone-targeted exercise interventions for the prevention and management of osteoporosis in middle-aged and older men with low bone mass. In our lab we are lucky enough to have access to DXA, pQCT and QUS, so we are able to comprehensively assess musculoskeletal health. I may be a little biased, but I think the Griffith University Bone Densitometry Research Group, led by Prof Beck and Dr Weeks, has some amazing projects in the pipeline for 2020 and beyond, so watch this space!

What did winning the Roger Melick award mean to you?

Wow, what an honour. Honestly, you could have knocked me over with a feather when they announced my name over the microphone. Having my supervisors, Prof Beck and Dr Weeks, and my fellow Griffith University PhD candidate Miss Melanie Fischbacher there made it even more special. Every presentation was of such a high quality that I didn't think I had a chance of winning, and I felt that just presenting my work in the final was an amazing opportunity. I think everyone in attendance would agree that all the Roger Melick finalists presented innovative research, and in my opinion they may have even showed up some of the seasoned professionals at the ANZBMS ASM. Honourable mention should go to Mr Alexander Corr (current PhD candidate) and Dr Alex Rodriguez, their presentations were exceptional and I was enjoying them so much I nearly forgot I was presenting next! The future of ANZBMS looks bright with some incredible ECI's.



Amy Harding delivering her presentation and receiving her award from Prof. Peter Croucher and Prof. Natalie Sims.



What are your goals for the future?

I submitted my PhD Thesis at the end of 2019 and was lucky enough to secure a research assistant position working on Prof Beck's 'Vibration Intervention for Bone, Muscle and Osteoporosis Rehabilitation' clinical trial for the first half of 2020. Ultimately my goal is to secure a post-doc position replicating the high-intensity resistance and impact training protocol from the LIFTMOR-M trial as adjuvant therapy in the management of prostate cancer in men undergoing androgen deprivation therapy to potentially reduce treatment-related side effects, and reduce fat gain and muscle and bone loss. I am also interested in exploring the phenomenon of responders and non-responders to bone-targeted exercise by utilising subject-specific computational musculoskeletal modelling. In the interim I will be more than happy to continue being involved in musculoskeletal research and teaching anatomy and physiology. On a personal level, I am driven by a desire to help improve muscle and bone health across the lifespan through physical activity and targeted exercise. I would like the musculoskeletal research community to see exercise as more than just an ancillary strategy to the pharmaceutical management of osteoporosis.

What was your highlight of the ANZBMS ASM, besides winning this award?

There are too many to single out just one! Firstly, the ANZBMS is the premier disciplinary body in the field of bone and mineral metabolism for the Asia-Pacific region, and the 2019 ASM certainly did not disappoint. Secondly, the venue and city of Darwin were fantastic – what a view from the conference venue across the harbour. Thirdly, the presentations by the international Plenary speakers were of an exceptionally high standard. The ASM provided a great opportunity to meet (in person, rather than via Skype!) some of our colleagues and collaborators who are also championing exercise for osteoporosis, sarcopenia and falls prevention. I always love hearing about Dr Melissa Kacena's work on bone regeneration particularly when it is done in microgravity on the ISS. Dr Paul Baldock's presentation on the role of osteoglycin and peripheral energy partitioning was certainly entertaining and informative. I have always found human evolutionary biology fascinating so Dr Tanya Smith's research on the 'tales teeth tell' was a great way to wrap up the conference.

The 2020 ASM is being held here on the sunny Gold Coast, so make sure you mark the dates in your calendar. If you have time, drop by our Griffith University Bone Densitometry Research lab (tours in exchange for coffee!).

<https://www.anzbms.org.au/grants-and-awards-roger-melick-young-investigator-award.asp>



ECI Highlights at the 2019 ANZBMS ASM

ECI Town Hall Meeting, Sunday 27th October

The Town Hall Meeting was held on Sunday 27th October before the commencement of the ASM.

This was a great opportunity for the ECIC to meet with ECIs and discuss what initiatives we should focus on in the future. A number of ECIs highlighted a lack of collaboration opportunities within ANZBMS.

The major points that were discussed included:

Mentor program: Suggestion of group leaders and group of early career investigators (6-8) rather than having a one on one mentoring program.

Collaborations: Knowledge of methods and expertise and the idea of a database of experts was discussed as well as ways to improve communication of this knowledge.

Speed Networking Event: To increase opportunities to meet others and establish collaborations. The ECIC are currently working on an initiative to address this.... stay tuned!



ECI Town Hall Meeting



Co-Chair Dr. Ayse Zengin at the 'Town Hall' Meeting

Bones & Brews Event, Sunday 27th October

Conferences can be thirsty work, especially in beautiful sunny Darwin, but the 2019 Bones & Brews event had us hydrated and well-fed. Gathering with delegates from all over the globe and engaging with people I had known only as authors proved illuminating. Networking with other ECIs at different career stages and hearing their stories was interesting and helpful.

Being my third Bones and Brews event, this one was the pick of the bunch. Congratulations to my team for topping trivia and thanks for volunteering the ECIs for the final trivia stand-off, giving me a helping hand to take the win. In past years, Queensland had us squabbling over the largest cell by length or volume, while New Zealand had us all too chatty to hear the answers! Darwin was just right and I'd like to thank the organisers for putting on an entertaining event.

Jasmine Cleminson, Deakin University, Melbourne

Winner of Bones & Brews Trivia



Winner - Jasmine Cleminson



Hosts - Ayse Zengin and Marc Sim



Bones & Brews Event



Winners table - Femurs



ECI Highlights at the 2019 ANZBMS ASM

Clinical Cases Seminar, Monday 28th October

In 2019, the ECIC hosted the 2nd annual Clinical Cases in Metabolic Bone Disease Seminar. The seminar was a huge success, with more than 90 delegates in attendance. Six advanced trainees, from various medical disciplines, presented challenging clinical cases, which sparked stimulating and informative discussion. Our judges had a difficult task selecting the best presentation given the overall excellent quality of all presentations. The best presentation was awarded to **Dr. Genevieve Calder** from St. Vincent's Hospital, Victoria. Dr. Calder presented an intriguing case of a young woman who presented with chronic kidney disease, metabolic bone disorder, and hypogonadism, who was subsequently diagnosed with Denys-Drash Syndrome, a rare genetic disorder caused by mutations in the Wilms tumour suppressor gene, *WT1*. The judges would also like to give an honourable mention to Dr. Matthew Balcerek from Gold Coast University Hospital, Queensland, who was an extremely close runner up.

This session was definitely a highlight of the ASM – make sure to attend in 2020!

Session moderators: Dr. Eleanor Thong, Dr. Jasna Aleksova, and Dr. Alicia Jones.

Judges: A/Prof. Frances Milat (VIC), Prof. Grahame Elder (NSW), and Prof. Charles Inderjeeth (WA).



Presentations at the Clinical Cases Seminar



Judges: A/Prof. Frances Milat, Prof. Grahame Elder, and Prof. Charles Inderjeeth

Career Development Seminar, Tuesday 29th October

Our ECI Career Development session at the ASM was a great success – very well attended, excellent presentations, and loads of discussion points. The first half focussed on grant writing with Prof. Louise Maple Brown, Menzies School of Health Research and Dr. Joshua Lewis, Edith Cowan University sharing their valuable experience. By looking at how grants are reviewed, we explored vital factors such as being clear and accurate, realistic about timelines and budgets, and targeting the right reviewers.

Prof. Emma Duncan, Queensland University of Technology and Prof. Tuan Nguyen, Garvan Institute of Medical Research hosted the second session on "How to review a paper". Prof. Duncan outlined the professional responsibility of peer reviewers' and described their role in maintaining scientific integrity. She also emphasised the importance of reviewer etiquette, positive and constructive criticism, and provided advice on reviewing confounded scientific research. Prof. Nguyen, an associate editor of the Journal of Bone and Mineral Research (JBMR), concluded the session by describing how the editorial board of JBMR aims to improve research transparency and rigor by revising author guidelines for reporting data and statistical analysis. Prof. Nguyen has recently published a very informative article on guidelines for data recording and statistical analysis - <https://doi.org/10.1002/jbmr.3885>



Question time at the Career Development Session



Dr. Laura Laslett, Prof. Emma Duncan, Prof. Louise Maple Brown, Dr. Joshua Lewis, Prof. Tuan Nguyen and Dr. Alexander Rodriguez



ANZBMS B.O.N.E Program

Prof. Martina Rauner

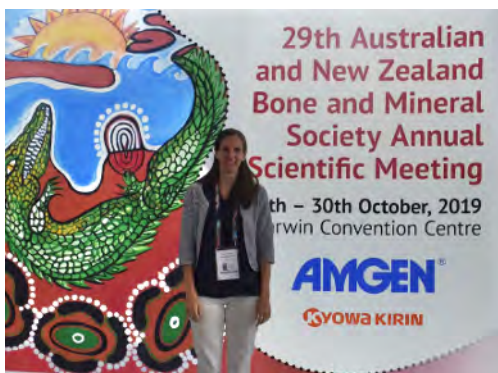
W2-Professor of Molecular Bone Biology, Department of Medicine III & Center for Healthy Aging, Medical Faculty of the TU Dresden, Germany



The Bridging Overseas Networking and Exchange (B.O.N.E) Program is an ECIC initiative, established in 2018, to address the limited opportunity and funds for invited presentations for early career bone and mineral researchers. In 2019 we had the opportunity to team up with the ECTS Academy. Prof. Martina Rauner, from Dresden University Medical Center, Germany was selected by our POC as our 2019 ASM international key note speaker from the ECTS Academy.

Last year, I was the privileged one of the ECTS Academy to attend the annual meeting of the ANZBMS in Darwin within the BONE programme. The BONE (Bridging Overseas Networking and Exchange) programme was set up between the ANZBMS Early Career Investigator Committee and the ECTS Academy to foster worldwide collaboration. ANZBMS invited me as key note speaker, which was a great honor and wonderful opportunity to present our work. International speakers at ANZBMS have the opportunity to showcase their work twice. Moreover, I was also invited to chair a session and participate in the Early Career Investigator Committee events like the Bones & Brews event and also their breakfast session. Overall, I was impressed by the friendly and welcoming atmosphere of ANZBMS, their very interactive discussions after talks, and the dedication of the ECIC and the ANZBMS leadership to support early career investigators. I very much felt like at home, like at ECTS.

This trip not only gave me lots of exposure to Australian bone researchers, but also allowed me to set up new collaborations, visit labs at the Garvan Institute, and discuss about career paths, science, and life as a researcher. Especially the visit at the Garvan was one of the highlights: the innovation and robust work happening there was most impressive. Thanks Michelle for inviting me there and thanks to Ryan, Matt and Peter for sharing exciting data! Finally, we made plans with the members of the ECIC to continue the collaboration between ECIC and ECTS Academy, and maybe also extend our activities beyond the BONE program such as organizing joint webinars. Whatever will be planned in the future, I am sure the collaboration will thrive as both groups are so dedicated and hugely supported by their respective leaderships. Being part of the BONE program has truly a great experience and I am looking forward to see how the scientific and society collaborations that there initiated there will develop!



ECIC Breakfast with Prof. Martina Rauner



Prof. Martina Rauner at the conference dinner

Prof. Martina Rauner presenting at the ANZBMS Annual Scientific Meeting In Darwin 2019

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 <http://www.dresden-ipp.de/research/research-groups/martina-rauner/>

2019 ANZBMS ASM Conference Dinner

The Conference Dinner was held on Tuesday 29th October at Pee Wee's at the Point, where we were treated to views over Darwin and the beautiful sunset.



2019 ANZBMS ASM Awards



CHRISTINE AND T JACK MARTIN TRAVEL GRANT

Dr. Sabashini Ramchand

Austin Health, The University of Melbourne & MGH, Harvard University



ROGER MELICK YOUNG INVESTIGATOR AWARD

Ms. Amy Harding

Menzies Health Institute Queensland, Griffith University, Queensland



HIGHEST RANKED STUDENT ABSTRACT AWARD

Mr. Kotaro Tanimoto

Department of Hematology & Metabolism, Tokushima University, Japan



AMGEN OA-ANZBMS CLINICAL GRANT PROGRAM 2019

Dr. Ayse Zengin

Monash University, Victoria



CHRISTOPHER AND MARGIE NORDIN YOUNG INVESTIGATOR POSTER AWARD

Ms. Amy Ribet

The University of Western Australia



ANZBMS CLINICAL RESEARCH EXCELLENCE AWARD

Dr. Alexander Rodriguez

Monash University, Victoria



CLINICAL CASES AWARD

Dr. Genevieve Calder

St. Vincent's Hospital, Victoria



AMGEN/ANZBMS OUTSTANDING ABSTRACT AWARD

Dr. Kai Chen

The University of Western Australia



PHILIP SAMBROOK AWARD

Dr. Sabashini Ramchand

Austin Health, The University of Melbourne & MGH, Harvard University

Other Awards/Scholarships Received By ANZBMS ECIs



Joshua Lewis goes out with a bang, as he transitions from ECI to mid-career investigator!

We are extremely proud and would like to congratulate Josh on his amazing achievements over the last few months. In 2019, Josh was awarded the WA Tall Poppy Science Award and appointed to the Editorial Board of the *Journal of Bone and Mineral Research (JBMR)*. Following on from that, he was promoted to Associate Professor at Edith Cowan University, and in this extremely competitive funding climate, managed to secure an NHMRC ideas grant as CIA! Most recently, Josh was recognised as an emerging leader in cardiovascular research and awarded the prestigious Heart Foundation Future Leader Fellowship.

Huge Congratulations!!!

A/Prof. Joshua Lewis

Head, Disorders of Mineralisation Group, Edith Cowan University, Western Australia

My research seeks to understand why as we age we get less "bone" in our bones and more in our blood vessels. We can now quickly, easily and safely image abdominal aortic calcification or AAC which is a stable marker of advanced vascular disease using widely available bone density machines. My Heart Foundation Future Leader Fellowship focuses on developing a rapid way of assessing AAC from these images. Additionally, my research program seeks to understand why and how this vascular calcification starts, and progresses. By understanding the signaling pathways and modifiable factors related to AAC and its progression, I hope to identify new strategies and treatments to reduce the burden of these diseases. Finally, we will conduct the clinical trials needed to develop evidence of how to effectively use knowledge of advanced vascular disease to alter the course of cardiovascular disease progression.

"Be kind, find good mentors, and take time to appreciate the research successes along the way."

Amgen Competitive Grant Program in Bone Research

Two ANZBMS ECIs, Dr Ayse Zengin and Dr. Sarah Hosking, were among the 13 successful candidates, from around the world, who received individual grants of up to \$150,000 to support osteoporosis research! Three other ANZBMS members from Australia, Prof Tuan Nguyen, Prof. Julie Pasco, and Dr. Dana Bluic were also among the successful 13.



Dr. Ayse Zengin

Research Fellow, Monash University, Victoria

The **Study of Indigenous Muscle and Bone Ageing (SIMBA)** will identify the best "window" in time for osteoporosis screening and prevention strategies in Aboriginal and Torres Strait Islander people. It will also establish the first reference database for areal bone mineral density (aBMD) in Indigenous Australians. Overall, it is anticipated that SIMBA will improve musculoskeletal health among Aboriginal and Torres Strait Islander people.



Dr. Sarah Hosking

Research Fellow, Deakin University, Victoria

Stopping the fracture cascade: Understanding health literacy barriers to uptake of post-fracture care. This project seeks to address the poor uptake of secondary fracture prevention by understanding the health literacy needs and medication beliefs of older adults who have sustained a low-trauma fracture. This information will help to inform future interventions to improve secondary fracture prevention in older adults.

Cancer Australia Priority-driven Collaborative Cancer Research Scheme



Dr. Melissa Cantley

NHMRC Early Career Research Fellow, Myeloma Research Lab, The University of Adelaide

Congratulations to Melissa for being awarded a Cancer Australia PdCCRS grant entitled: **Using novel high-precision proteomic analysis to discover biomarkers that identify smouldering myeloma patients at high-risk of progression to active multiple myeloma.** Funded by: Cancer Australia, Cure Cancer, and Leukaemia Foundation. Melissa's research project will aim to identify new biomarkers for the early detection of multiple myeloma.

ECIs if you have received any awards/funding/scholarships please let us know so we can share it. Send us an email: ecic@anzbms.org.au. We would love to hear about your success!



Grants & Awards

ANZBMS Awards

Due 22 May 2020

- Roger Melick Young Investigator Award
- Highest Rated Student Abstract Award
- Amgen-ANZBMS Outstanding Abstract Award
- ANZBMS Travel Grants
- Christopher and Margie Nordin Young Investigator Poster Award
- Kaye Ibbertson Award for Bone and Mineral Medicine
- Clinical Research Excellence Award
- Sol Posen Research Award

Due 20 July 2020

- ANZBMS Christine and T. Jack Martin Research Travel Grant

Due 17 July 2020

- Endocrine Society of Australia Young Investigator Scientific Article Award

For further information on other grants and awards, please visit the ANZBMS ECIC 'Awards, Grants & Scholarships page'

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



The ECIC looks forward to seeing you in the Gold Coast for the Joint scientific meetings of the ANZBMS, MEPSA and VITAMIN D WORKSHOP August 17-20 2020!

ANZBMS - MEPSA - VITAMIN D WORKSHOP

17TH - 20TH AUGUST 2020



ANZBMS

MEPSA



Joint Scientific Meetings of the Australian and New Zealand Bone and Mineral Society,
The Molecular and Experimental Pathology Society of Australasia and the Vitamin D Workshop

GOLD COAST CONVENTION & EXHIBITION CENTRE



SAVE THE DATE!

www.anzbms-mepsa-vdw2020.org