

Committee of Convocation

Agenda for Meeting

Wednesday 18 May 2022 at 5.30 pm

Graduate House, 220 Leicester Street, Carlton

(Hybrid)

1. Welcome and Acknowledgement of Country

2. Guest Speaker

The guest speaker will be Professor Gustavo Duque, Chair of Medicine and Director of the Australian Institute for Musculoskeletal Science (AIMSS) at the University of Melbourne, and Geriatrician (Staff Specialist) at Western Health.

3. Attendance

4. Confirmation of Minutes of the last meeting, held on 16 March 2022

5. Membership

- a. Additions and withdrawals
- b. Leave of Absence

6. Report of the President

7. Financial Report

8. Key Matters for Consideration

- a. Actions update
- b. Membership development
- c. Projects
- d. Website
- e. Tours and speakers

9. U of M Items of Interest

Input from all members

10. Other Business

As may be introduced

11. Next Meeting

Wednesday 20 July 2022

12. Close

Attachments

Updated Actions
Guest speaker CV
Zoom link

Papers Circulated for Consideration at the Meeting

Nil

COMMITTEE OF CONVOCATION - ACTIONS

Ref. No.	Date	Description	Responsibility	Status	Ref. No.
114	2021-05-19	Contact Dr Rachel Baird, Chair of the Alumni Council, with a view to arranging for her to make a presentation to the Committee	President	In progress	114

Prof. Gustavo Duque

Career Summary

Prof. Gustavo Duque completed his training in Internal Medicine in Colombia, and then completed a Fellowship in Geriatric Medicine at McGill University in Montreal (Canada).

He obtained his PhD. at McGill University in 2003 with a thesis entitled "Molecular Changes of the Aging Osteoblast."

Between 2003 and November 2007, he joined the faculty at McGill University Medical School as a member of the Division of Geriatric Medicine and as Researcher at the Lady Davis Institute for Medical Research.

In November 2007, he moved to Australia to join the Faculty as Associate Professor, Head of the Division of Geriatric Medicine, at Sydney Medical School-Nepean, University of Sydney.

In 2012, he was promoted to Professor of Medicine at the University of Sydney. In 2015, he moved to Melbourne to assume the positions of Chair of Medicine and Director of the Australian Institute for Musculoskeletal Science (AIMSS) at the University of Melbourne, and Geriatrician (Staff Specialist) at Western Health.

Key Contributions to Research

- He has demonstrated that bone marrow fat is toxic to bone (Endocrinology 2014; Biol Open 2013; J Cell Mol Med. 2010), could be used as a diagnostic method to predict bone loss (Exp Gerontol., 2011) and could become a source of new bone mass through its differentiation back into bone (J Bone Miner Res, 2013; Stem cells, 2012; J Bone Miner Res 2011).
- His experiments with animal models of accelerating ageing and his in vitro and in vivo models of nuclear lamina defects have provided new evidence to understand the ageing process in bone and the molecular mechanisms of senile osteoporosis (Exp. Gerontol., 2017; J Cell Biochem, 2015 & 2017; Bone 2011; PlosOne, 2011; Mech Ageing Dev, 2011).
- He is the leading researcher on COP cells in Australia. He identified the normal reference range of %COP and LA-COP in humans (Exp. Gerontol. 2017 & 2018) and reported that low levels of COP cells are associated with disability and frailty in older persons (J Gerontol A Biol Sci Med Sci. 2016).
- He has implemented two state-of-the-art Falls and Fracture Clinics. This new model of care was a finalist in the Health NSW Awards in the category of innovative intervention to prevent hospitalizations. He is co- author in several influential metanalysis in the field of Geriatric Medicine (Maturitas, 2017; J Frailty & Ageing, 2016; JAMDA 2013; Alzheimer's & Dementia, 2012).
- His Clinical Research Unit at AIMSS runs 21 investigator-initiated trials and participates in nine industry- sponsored international multi-centre trials, testing novel therapeutic compounds for osteosarcopenia. Amongst those trials, he led the NOF Study, which is the largest cross-sectional study on osteosarcopenia in Australia (960 participants) (JAMDA, 2016; JNHA, 2016; JAGS, 2016; Arch Gerontol Geriatr, 2016; Arch Osteoporos, 2015).

National and International Reputation and Collaborations

- 121 invitations as a guest and plenary speaker in 31 different countries since 2007.
- In 2017, he was invited to speak at the World Congress of osteoporosis (Florence, Italy), World Congress of Geriatrics and Gerontology (San Francisco, USA), and national meetings of geriatrics and osteoporosis societies from seven countries. He has received 15 invitations to present in 2018.
- His Research Program has developed collaborations with 32 major academic institutions worldwide including access to the Framingham Osteoporosis Study and the Rotterdam Study databases.
- Since Nov. 2021, President-Elect of the Australia and New Zealand Bone and Mineral Society.
- In November 2016, he was elected as the Founding President of the new Australian and New Zealand Society for Sarcopenia and Frailty Research.
- He was the convenor of two Australian Consensus on Falls and Fractures Prevention in Residential Aged Care (J Am Med Dir Assoc. 2016; Med J Aust. 2010).

Industry and Educational Leadership

- He has served as a member of several peer-review panels in major funding agencies in Canada (FRSQ and CIHR) and Australia (NHMRC), and reviews grants for 38 research Foundations.
- Member of the ASBMR-Membership Development Committee (2011-14) and Publications Committee
- (2007-10); member of the ANZBMS Program and Professional Development Committees (2010-11 and 2016-17); member of the GTE Committee of the ANZSGM.
- Member of the Council of the Adult Medical Division of the RACP.
- In January 2018, he started his tenure as Associate Editor of the prestigious Journal of the American Medical Directors Association.
- Ad hoc reviewer for more than 50 journals in the fields of bone, Internal Medicine, and Geriatric Medicine. He is also a member of the Editorial Board of seven journals in the same fields.
- He has graduated five PhD students and three master's students. He currently supervises six PhD students. In the last 5 years, he has supervised six Honours students and 68 research fellows and summer and UROP students from Australia and overseas. Three of his Ph.D. students were recipients of New Investigator Awards, one from the American Geriatrics Society (2013), and two from the ASBMR (2013 and 2014).
- His peers have recognized his research achievements with the Kaufman Award from the Canadian Geriatrics Society in 1998, the New Investigator Award from the AGS in 1999, the Young Investigator Award from the ASBMR in 2003, and the Nathan Shock New Investigator Award from the Gerontological Society of America in 2005. In 2013, he was the inaugural recipient of the prestigious Professor Philip Sambrook Award from the ANZBMS for his leadership in bone research. In 2016, he was elected a Fellow of the Gerontological Society of America.

Funding Record

- Currently Prof Duque has 2 Research Grants as PI. He is funded by the NHMRC on 2 grants, one valued at \$1,28,000 and one for \$295,000. He also has grants with Osteoporosis Australia and TSI Pharmaceuticals, values at \$40,000 and \$435,000 respectively.
- Prof. Duque received five operating grants from the Canadian Institutes for Health Research (total:\$1,500,000). In 2009, he was funded by the NHMRC in 3 project grants (total: \$1,284,187), two as CIA and one as CID. He has received 2 project grants from the Australian Association of Gerontology (\$32,000), a University of Sydney Bridging Grant (\$30,000), and an internal IP-Development grant from Sydnovate (\$64,000). He currently holds grants from AIMSS (\$45,000), private Foundations (\$286,000), and start-up-funding from the University of Melbourne (\$500,000).

Publication Record

- Two patents, including one recently granted on the use of picolinic acid in osteoporosis.
- He has edited three books, “Osteoporosis in Older Persons: Pathophysiology and Therapeutic Approaches” (Springer UK) co-edited with Dr. Douglas Kiel from Harvard Medical School (Second Edition published in 2016), and “Osteoporosis Research: Animal Models” (Springer UK) co-edited with A/Prof. Ken Watanabe from the National Institute for Longevity of Japan. He is Associate Editor of the new edition of the Aging Encyclopedia He is currently editing his fourth book entitled “Osteosarcopenia” (Springer, Germany).
- 200 publications in peer-reviewed journals since 2003 and 31 book chapters.

Written by Professor Duque
2022

Zoom meeting on May 18, 2022 05:30 PM Canberra, Melbourne,
Sydney

Join from PC, Mac, iOS or Android:

[https://unimelb.zoom.us/j/9983365357?
pwd=eFdwR2lTZlhwU05VcnQ0Z2ZNcm5JQT09](https://unimelb.zoom.us/j/9983365357?pwd=eFdwR2lTZlhwU05VcnQ0Z2ZNcm5JQT09)

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