

**Research Fellow
Position –
Department of
Medicine, Monash
University**

Faculty / Portfolio:	Faculty of Medicine, Nursing and Health Sciences School of Clinical Sciences at Monash Health, Department of Medicine.
Location:	Monash Medical Centre, Clayton, Victoria
Employment Type:	Full-time 1.0 FTE
Duration:	Fixed-term appointment x 3 years
Remuneration:	\$97411.2 - \$115677 Level B includes employer superannuation at 9.5%

- **Leading international university**
- **Innovative and creative environment**
- **Clayton campus**

If you're after a rewarding career, Monash University can help make it happen. With leading academics and world-class resources, combined with a ranking in the top 100 universities worldwide, we offer all you need to build a brighter future.

The Opportunity

You will be expected to contribute towards the research effort of the university and to develop your research expertise through the pursuit of defined projects relevant to the particular field of research.

This exciting academic research role aims to complement the main focus of research conducted by The Bone and Muscle Health Group in the Department of Medicine, School of Clinical Sciences, involving the study of interactions between bone, muscle and fat in contributing to the two important age-related musculoskeletal conditions of osteoporosis and sarcopenia. Relationships with vitamin D metabolites and bone and muscle health will also be studied.

The position will be located in the new and innovative Monash Translational Research facility in the Monash Health Translation Precinct (MHTP) with access to state of the art technologies, including bone and muscle imaging with dual-energy x-ray absorptiometry (DXA), peripheral QCT scanning (pQCT) and high resolution pQCT; bone microindentation probes to measure bone material strength; next generation sequencing; bioinformatics and biomechanical engineering.

In particular, innovative and exciting collaborations have been established with the Monash Institute of Medical Engineering (MIME); a novel research collaboration between the Faculties of Engineering, and Medicine, Nursing and Health Sciences, which will also be an active partner co-located in MHTP.

The immediate project already identified from this collaboration relates to the development and commercialisation of wearable sensors for measuring biomechanical forces on different skeletal sites and levels of physical activity. This position will also be tailored to encourage and develop research leadership and career advancement for the successful candidate, with strong and experienced mentoring provided by the Department Head.

You will have:

- A PhD from a recognised university in musculoskeletal research or a closely related discipline, and subsequent relevant work experience and or education/ training;
- A proven record of relevant publication in musculoskeletal science in peer-reviewed scientific journals;
- Ability to solve complex problems by using discretion, innovation and the exercise of high level diagnostic skills;
- If you feel that you have the skills and experience to make this role a success your application is encouraged.
- This role is a full-time position; however, flexible-working arrangements may be negotiated.
- Your application must address the selection criteria. Please refer to "[How to apply for Monash Jobs](#)"
- Enquiries: Professor Peter Ebeling, Head of Department of Medicine Phone: +61 3 9594 5674
- Position Description
- Closing Date: Three weeks from Advertising