



POSITION DESCRIPTION

School of Earth Sciences
Faculty of Science

Kimberley Foundation Minderoo Chair in Archaeological Science

POSITION NO	0045655
CLASSIFICATION	Professor, Level E
SALARY	\$ 187,654 p.a.
SUPERANNUATION	Employer contribution of 17%
WORKING HOURS	Full-time
BASIS OF EMPLOYMENT	Continuing
OTHER BENEFITS	http://about.unimelb.edu.au/careers/working/benefits
HOW TO APPLY	Online applications are preferred. Go to http://about.unimelb.edu.au/careers , select the relevant option ('Current Opportunities' or 'Jobs available to current staff'), then find the position by title or number.
CONTACT FOR ENQUIRIES ONLY	<p>Professor Andrew Gleadow Tel +61 3 8344 5700 Email gleadow@unimelb.edu.au Or</p> <p>Professor David Phillips Tel +61 8344 6524 Email dphillip@unimelb.edu.au</p> <p><i>Please do not send your application to this contact</i></p>

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about.unimelb.edu.au/careers

Position Summary

The Kimberley Foundation Minderoo Chair of Archaeological Science is a new Chair within the School of Earth Sciences that will provide leadership in the field of Archaeological Science at the University of Melbourne. The Chair has been established through the generous support of the Minderoo Foundation, Allan Myers, the Kimberley Foundation Australia (KFA) and the University of Melbourne to provide an enduring focal point for collaborative research and academic excellence in this field.

The scope of the Chair will encompass the development and application of scientific methods to the study of Indigenous heritage in Australia and archaeological research more broadly, including an initial focus on understanding rock art, its antiquity and its environmental and archaeological context in the Kimberley region of northwestern Australia. The Chair is expected to collaborate closely with other groups within the university and elsewhere in Australia who are working on related research areas, especially in Western Australia.

The appointee is expected to have an excellent track record of research in archaeological science, especially as these may coordinate with other research strengths in the School of Earth Sciences in geochronology, analytical and isotope geochemistry, landscape processes and paleoenvironmental reconstruction. The Chair will provide oversight for the emerging research concentration within the University that is currently bringing diverse skills to bear on the problems of dating Kimberley rock art and its context within the changing environments and evolving landscapes of northwestern Australia. The Chair is expected to provide leadership in developing and promoting the field of archaeological science and to play a key coordinating role with related activities within the School and across the University.

The Chair will also be expected to develop and coordinate educational opportunities in the field of archaeological science at both the undergraduate and graduate level, drawing on students from diverse backgrounds in science. It is expected that the Chair will also take an active role in the wider activities of the School of Earth Sciences and University as appropriate.

Further information about this position and its role within the School of Earth Science can be obtained from Professor Andrew Gleadow, or the Head of School, Professor David Phillips.

1. Key Responsibilities

- ▶ Provide leadership in research and to develop new research opportunities in the area of archaeological science within the University. The appointee will be expected to build and lead a research group in this field and to initiate, participate in, and cooperate with, relevant research projects at the University.
- ▶ To develop research proposal submissions to external funding bodies to support substantial research programs in the area of archaeological science and take responsibility for the oversight and management of research grants.
- ▶ To develop such research facilities that may be needed to support these research activities, in collaboration with others as appropriate.
- ▶ Plan, organise and conduct field and laboratory research related to their discipline area.
- ▶ To develop and maintain good working relationships with Indigenous bodies and Traditional Custodians, as may be needed for research into Australia's deep heritage, and to share research findings with them.
- ▶ Develop, foster and maintain collaborative links with other researchers in the field and complementary fields, both within the University and with other universities, especially in Western Australia.

- ▶ To diligently disseminate and communicate the results of their research through national and international conference presentations and peer-reviewed scientific publications, as well as engaging with the general public about research findings at local, national and international levels.
- ▶ Supervise graduate students and other early career researchers, and participate in planning, mentoring and support for them and their research projects.
- ▶ To oversee and lead the development of new educational offerings at undergraduate and graduate level in Archaeological Science within the School of Earth Sciences, and more broadly in the university where appropriate.
- ▶ Provide a continuing high level of commitment to, and achievement in, their particular discipline area.
- ▶ Be an active participant in strategic planning, leadership, administration and management of the School of Earth Sciences at the University of Melbourne.
- ▶ To maintain an active engagement with donors supporting this endowed Chair (see *Special Requirements*, below)
- ▶ Key responsibilities in addition to the above are outlined in the Document: "[The Leadership Roles of Melbourne Professors](#)"

2. Selection Criteria

2.1 ESSENTIAL

- ▶ A PhD in a discipline area appropriate to Archaeological Science
- ▶ A distinguished research career of international standing in the application of scientific methods to archaeological problems
- ▶ Demonstrated leadership in research and scholarship within their discipline area
- ▶ Demonstrated experience in building and sustaining a research group
- ▶ An excellent research publication record and evidence of engagement with the international research community through conference presentations and other roles
- ▶ Demonstrated capacity to attract competitive funding to support their research activities, and to successfully manage those programs
- ▶ Experience and excellence in the design and delivery of university teaching and learning programs
- ▶ Record of successful supervision of graduate students to completion, and an ability to foster academic achievement in others
- ▶ Evidence of a strategic perspective and leadership in their discipline area
- ▶ Excellent oral and written communication skills amongst peers, towards external stakeholders, and with the wider public
- ▶ Strong track record of collaboration with other researchers and relevant stakeholders

2.2 DESIRABLE

- ▶ Experience in the planning and management of field research programs
- ▶ A record of strategic engagement with Indigenous groups in Australia, or similar groups elsewhere

3. Special Requirements

3.1 DONOR ENGAGEMENT

The University acknowledges that the KFA brings together other organisations and supporters interested in the work of Kimberley Foundation Minderoo Chair in Archaeological Science. The appointee will be therefore responsible for active, meaningful and sustained engagement with donors of this philanthropically supported position, including, where appropriate, through:

- ▶ Consistent use of the Position Title in all official correspondence, communications and publicity
- ▶ Annual reporting on the appointee's activities, contributions and achievements against the responsibilities and expectations of the position (to be included in the University's annual endowment/impact reports to the donors)
- ▶ Regular contact and engagement with the donors, providing updates and advice on activities, contributions and achievements, including in partnership with the University's Advancement Office

Engagement with donor organisations may take various forms which might include the following examples:

- ▶ Potential for ongoing funding support for research activities undertaken by the Chair with their students and collaborators
- ▶ Participation by invitation in the KFA's Science Advisory Council
- ▶ Participation in the activities of the Minderoo Foundation's Forrest Scholars Program in collaboration with Western Australian Institutions

4. Equal Opportunity, Diversity and Inclusion

The University is an equal opportunity employer and is committed to providing a workplace free from all forms of unlawful discrimination, harassment, bullying, vilification and victimisation. The University makes decisions on employment, promotion and reward on the basis of merit.

The University is committed to all aspects of equal opportunity, diversity and inclusion in the workplace and to providing all staff, students, contractors, honorary appointees, volunteers and visitors with a safe, respectful and rewarding environment free from all forms of unlawful discrimination, harassment, vilification and victimisation. This commitment is set out in the University's People Strategy 2015-2020 and policies that address diversity and inclusion, equal employment opportunity, discrimination, sexual harassment, bullying and appropriate workplace behaviour. All staff are required to comply with all University policies.

The University values diversity because we recognise that the differences in our people's age, race, ethnicity, culture, gender, nationality, sexual orientation, physical ability and background bring richness to our work environment. Consequently, the People Strategy sets out the strategic aim to drive diversity and inclusion across the University to create an environment where the compounding benefits of a diverse workforce are recognised as vital in our continuous desire to strive for excellence and reach the targets of Growing Esteem.

5. Occupational Health and Safety (OHS)

All staff are required to take reasonable care for their own health and safety and that of other personnel who may be affected by their conduct.

OHS responsibilities applicable to positions are published at:

<http://safety.unimelb.edu.au/people/community/responsibilities-of-personnel>

These include general staff responsibilities and those additional responsibilities that apply for Managers and Supervisors and other Personnel.

6. Other Information

6.1 ORGANISATION UNIT

<http://earthsci.unimelb.edu.au>

The School of Earth Sciences was established in 1990, following the amalgamation of the Department of Geology (founded in 1900) and the Department of Meteorology (founded in 1937). The School is one of seven schools in the Faculty of Science, and employs a total of 64 staff, including 51 academic staff and 13 professional staff. Of the academic staff, 14 have continuing (i.e. tenured) positions.

The School is one of Australia's leading Earth Sciences departments, with a reputation for high quality, broad-based research across the two main discipline areas of *Climate & Weather* and *Geology*. The School's discipline areas are currently ranked number two in Australia and number 29 in the QS World Rankings (*Earth & Marine Sciences*). The School's research program includes a long-standing, major research theme on *Climate Change (past, present & future)*, as well as other research programs incorporating broader themes across geology, geophysics, geochemistry, environmental and archaeological science.

The School includes significant expertise related to archaeological science and is hosting a major collaborative research project aimed at dating the remarkable rock art sequence in the Kimberley region of NW Australia. Researchers involved in this work include Professors Andrew Gleadow, Janet Hergt and Jon Woodhead, Drs Helen Green, John Hellstrom and John Moreau in fields ranging from geochronology and materials analysis, to geomorphology and landscape evolution.

The School offers an undergraduate teaching curriculum that supports our *Climate & Weather* and *Geology* majors and extends the Earth Sciences learning experience to the wider student cohort through targeted inter-disciplinary and breadth subjects. In addition, the School offers a wide-ranging postgraduate teaching and research-training program, in support of a postgraduate student cohort that constitutes ~40% of our total student load.

By engaging with government organisations, industry, and the community, both nationally and internationally, the School is able to facilitate knowledge transfer, while also addressing the complex problems that confront our society.

6.2 BUDGET DIVISION

<http://science.unimelb.edu.au>

Science at the University of Melbourne is the most highly ranked Faculty of Science in Australia.* Science is defined by its research excellence in the physical and life sciences

and is at the forefront of research addressing major societal issues from climate change to disease. Our discoveries help build an understanding of the world around us.

We have over 150 years of experience in pioneering scientific thinking and analysis, leading to outstanding teaching and learning and offer a curriculum based on highly relevant research, which empowers our STEM students and graduates to understand and address complexities that impact real world issues and the challenges of tomorrow.

We aspire to engage the broader community with the impact that Science has on our everyday lives. Through the strength of our internships and research project offerings, our students are provided opportunities to engage with industry partners to solve real-world issues.

The Faculty of Science has over 50,000 alumni and is one of the largest faculties in the University comprising seven schools: BioSciences, Chemistry, Earth Sciences, Ecosystem and Forest Sciences, Geography, Mathematics and Statistics, and Physics.

The Faculty is custodian of the Bio21 Molecular Science and Biotechnology Institute, Office for Environmental Programs and home to numerous Centres.

Science manages more than \$290 million of income per annum, with a staff base in the order of 270 professional staff, and more than 580 academic staff.

We offer a range of undergraduate, honours, graduate and research degrees; enrolling over 8,600 undergraduate and 2,440 graduate students. The Faculty of Science is the custodial Faculty for the BSc (Bachelor of Science). The Faculty of Science is a leader in research, contributing approximately \$70 million in HERDC income per annum. The Faculty of Science is highly research focused, performing strongly in the ARC competitive grants schemes, often out-performing the national average. The Faculty of Science is currently growing its competitiveness and standing in the NHMRC space.

The Faculty of Science provides community services and industry partnerships based on a solid foundation of research in the pure and applied sciences. The Faculty has an endowment of approximately \$56 million. The annual income from the endowment supports more than 120 prizes, scholarships and research awards.

**Figures from QS Top Universities rankings for 2017*

6.3 THE UNIVERSITY OF MELBOURNE

Established in 1853, the University of Melbourne is a leading international university with a tradition of excellence in teaching and research. The main campus in Parkville is recognised as the hub of Australia's premier knowledge precinct comprising eight hospitals, many leading research institutes and a wide-range of knowledge-based industries. With outstanding performance in international rankings, the University is at the forefront of higher education in the Asia-Pacific region and the world.

The University employs people of outstanding calibre and offers a unique environment where staff are valued and rewarded.

Further information about working at The University of Melbourne is available at <http://about.unimelb.edu.au/careers>.

6.4 GROWING ESTEEM, THE MELBOURNE CURRICULUM AND RESEARCH AT MELBOURNE: ENSURING EXCELLENCE AND IMPACT TO 2025

Growing Esteem describes Melbourne's strategy to achieve its aspiration to be a public-spirited and internationally-engaged institution, highly regarded for making distinctive contributions to society in research and research training, learning and teaching, and engagement. <http://about.unimelb.edu.au/strategy-and-leadership>

The University is at the forefront of Australia's changing higher education system and offers a distinctive model of education known collectively as the Melbourne Curriculum. The new educational model, designed for an outstanding experience for all students, is based on six broad undergraduate programs followed by a graduate professional degree, research higher degree or entry directly into employment. The emphasis on academic breadth as well as disciplinary depth in the new degrees ensures that graduates will have the capacity to succeed in a world where knowledge boundaries are shifting and reforming to create new frontiers and challenges. In moving to the new model, the University is also aligning itself with the best of emerging European and Asian practice and well-established North American traditions.

The University's global aspirations seek to make significant contributions to major social, economic and environmental challenges. Accordingly, the University's research strategy *Research at Melbourne: Ensuring Excellence and Impact to 2025* aspires to a significant advancement in the excellence and impact of its research outputs.

<http://research.unimelb.edu.au/our-research/research-at-melbourne>

The strategy recognises that as a public-spirited, research-intensive institution of the future, the University must strive to make a tangible impact in Australia and the world, working across disciplinary and sectoral boundaries and building deeper and more substantive engagement with industry, collaborators and partners. While cultivating the fundamental enabling disciplines through investigator-driven research, the University has adopted three grand challenges aspiring to solve some of the most difficult problems facing our world in the next century. These Grand Challenges include:

- ▶ Understanding our place and purpose – The place and purpose grand challenge centres on understanding all aspects of our national identity, with a focus on Australia's 'place' in the Asia-Pacific region and the world, and on our 'purpose' or mission to improve all dimensions of the human condition through our research.
- ▶ Fostering health and wellbeing – The health and wellbeing grand challenge focuses on building the scale and breadth of our capabilities in population and global health; on harnessing our contribution to the 'convergence revolution' of biomedical and health research, bringing together the life sciences, engineering and the physical sciences; and on addressing the physical, mental and social aspects of wellbeing by looking beyond the traditional boundaries of biomedicine.
- ▶ Supporting sustainability and resilience – The sustainability and resilience grand challenge addresses the critical issues of climate change, water and food security, sustainable energy and designing resilient cities and regions. In addition to the technical aspects, this grand challenge considers the physical and social functioning of cities, connecting physical phenomena with lessons from our past, and the implications of the technical solutions for economies, living patterns and behaviours.

Essential to tackling these challenges, an outstanding faculty, high performing students, wide collaboration including internationally and deep partnerships with external parties form central components of Research at Melbourne: Ensuring Excellence and Impact to 2025.

6.5 GOVERNANCE

The Vice Chancellor is the Chief Executive Officer of the University and responsible to Council for the good management of the University.

Comprehensive information about the University of Melbourne and its governance structure is available at <http://www.unimelb.edu.au/governance>