



SOUTHERN CROSS UNIVERSITY

Ge archaeology & Archaeometry Research Group

Military Rd, Lismore, NSW, 2480, Australia



PhD Scholarship Opportunity

A. Prof Renaud Joannes-Boyau

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New understanding of the peopling of Southeast Asia and Australasia, using geochemical and geochronological techniques of key fossil remains

Background: Southern Cross University, is offering a fully funded PhD scholarship as part of an Australian Research Council Discovery Project grant to work in the field of geochronology and archaeo geochemistry, to better understand early human expansion in Southeast Asia and Australasia. The PhD will contain both robust methodological and palaeoanthropological components, including analytical research on LA-MC-ICPMS and Electron Spin Resonance. Shortlisted candidates will discuss the specificity of the project, depending on skills and interests.

This scholarship represents an opportunity to complete a PhD and conduct a program of research on geochronology (US-ESR dating) isotopes and trace element analytical research of fauna and human remains.

The PhD student will work alongside scientists from various countries such as Australia, Germany, France, Denmark, Laos, Thailand, Indonesia, Vietnam, and/or Philippines depending on site selected, and who will contribute and provide guidance on dating and characterisation techniques, trace element and isotopic analyses, dental anatomy, and/or human evolution.

Eligibility: The position is open to all domestic applicants and international applicants currently based in Australia. International applicants currently based overseas are welcomed to apply, however, Australian Government border restrictions may impact on their application. The successful applicant will need to meet the entry requirements to enrol in a PhD at Southern Cross University on a full-time basis, including a BSc (Hons, 2nd class or above) or a MSc degree with a research component, in either Earth science, (geo)chemistry, environmental science or related fields.

Ideally, candidates will have some experience in geochronology and/or geochemistry and either knowledge or a strong interest to work on human evolution problematic. Candidate with experience with ESR, LA-ICPMS or MC-ICPMS from a different field of research such as medical geochemistry or related field are also strongly encourage to apply. Candidates with experience with matlab, R or similar packages is a plus.

Location: The successful applicant will be based at Southern Cross University in Australia, Lismore campus (Northern NSW, close to Byron Bay) in the Faculty of Science and Engineering and will be part of the [Ge archaeology and Archaeometry Research Group](#) and will join a team of two postdocs and 4 PhD students.

Posted on the 20th July 2023

How to apply: Please send your CV (2 pages max), a cover letter explaining your interest in and suitability for this scholarship (1 page max), degree transcripts/certificates, IELTS test if you didn't study in English, (optional details of two referees), and any other relevant research documents (e.g., publications/theses) via email to: renaud.joannes-boyau@scu.edu.au Please quote the PhD title in the subject line of the email.

1. Outcome of expression of interest: You will be notified of the outcome of your expression of interest by email after the closing date.
2. Invitation to attend an interview: If your expression of interest is shortlisted, you will be invited to attend an interview. Further details about the interview will be provided in the invitation. Interviews will take place online via Zoom.

The successful candidate will receive a PhD stipend for a 3-year duration at the current Australian Research Training Program rate (the 2023 rate is AU\$29,863 per annum, indexed annually).

Closing Date: Until position is filled.

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