Lecturer/Senior Lecturer
Analytical Chemistry
Division of Tropical Environments and Societies

Candidate Package
Thank you for your interest in a career at James Cook University. JCU was established over 45 years ago as Australia’s university for the tropics and has three tropical campuses – in Cairns, Singapore and Townsville. It was a far-sighted move.

A vast geographic zone, the tropics is now home to more than 40 percent of the world’s population and 80 percent of its biodiversity. Its share of world economic output is growing rapidly. Once dubbed by Aristotle as ‘the torrid zone’, the tropics are rapidly emerging as a global focus for some of the critical challenges and opportunities of our time.

JCU is playing a key role in creating a brighter future for life in the tropics worldwide. The University is now a global leader in tropical research and, as a result, is ranked among the top two percent of higher education institutions in the world.

The University’s work is focused around four themes:
- tropical ecosystems and environment
- industries and economies in the tropics
- people and societies in the tropics
- tropical health, medicine and biosecurity.

With approximately 16,000 students, we pride ourselves in being “human scale” at JCU and life in tropical north Queensland brings many rewarding experiences, including easy access to the World Heritage areas of the Great Barrier Reef and the Wet Tropics rainforest. We are very fortunate that these wonderful locations are also outstanding learning and research sites, which our students and researchers are able to easily access and explore.

The University features six colleges within two academic Divisions supported by four service Divisions. The successful candidate for the role of Lecturer/Senior Lecturer Analytical Chemistry in the Division of Tropical Environments and Societies will have a unique opportunity to help shape an exciting future in teaching, research and engagement for the University.

We look forward to receiving your application and good luck!

Professor Sandra Harding
Vice Chancellor and President
JCU is Queensland’s second oldest university. It started its journey as the University College of Townsville in 1961, under the stewardship of the University of Queensland. In 1970, James Cook University was established with its founding legislation providing the mandate for the strategic direction it has pursued over the last forty years namely:
- To encourage study and research generally and, in particular, in subjects of special importance to the people of the tropics; and
- To provide courses of study and instruction (at the levels of achievement the council considers appropriate) to meet the needs of the community

The University’s main campuses are in the heart of the tropics – Cairns, Singapore and Townsville. These campuses are complemented and extended by regional and remote study centres and research stations. The Australian campuses and field stations are located near the world-heritage listed Great Barrier Reef Marine Park and the rainforests of the Wet Tropics region. This unique environment attracts students from around the world.

JCU is defined by the tropics. It is unique among Australian universities, woven into the intellectual, economic and social fabric of its tropical location. It seeks knowledge-based ways to help the world’s tropical regions prosper.

JCU plays a key role in preparing the professional workforce for northern Australia and the University offers a comprehensive suite of professionally accredited programs including medicine, dentistry, pharmacy, physiotherapy, occupational therapy, speech therapy, veterinary sciences, psychology, nursing, sport and exercise science, engineering, law, education and a range of programs in business, science, social science and humanities.

The University enjoys an international reputation for the quality of its teaching and research, with particular strengths in environmental and earth sciences, marine science, climate change, and tropical health and medicine. It is ranked among the top 2 percent of the universities worldwide and has consistently received a five star rank for graduate success in getting a job.

JCU recognises that knowledge has the power to change lives and is committed to meeting the learning and support needs of all students. In particular, it strives to improve access and retention of Aboriginal and Torres Strait Islander students and students from non-traditional and disadvantaged backgrounds.

State of the Tropics

One of JCU’s most significant collaborations has been the State of the Tropics report which was launched on 29 June 2014 by Nobel Laureate, Aung San Suu Kyi in Yangon, Myanmar. This ground breaking report confirmed the great demographic, environmental and geopolitical significance of the region. The report revealed the Tropics is home to 40% of the world’s population, and it hosts about 80% of its terrestrial biodiversity. By 2050, more than two-thirds of the world’s children under 15 years of age will be living in the Tropics.

In June 2016, the UN decided that the International Day of the Tropics will be celebrated every year on the 29th of June, giving the region the recognition it deserves.

For more information on the State of the Tropics and to download the full report visit:
- http://stateofthetropics.org
- http://stateofthetropics.org/the-report
- https://www.youtube.com/watch?v=Wtroml5v6jg
Statement of Strategic Intent

ONE UNIVERSITY – TWO COUNTRIES – THREE TROPICAL CAMPUSES

Creating a brighter future for life in the tropics world-wide through graduates and discoveries that make a difference.

Comprehensive, but focussed
We are a comprehensive University. Our teaching and research focuses on four themes:
• Tropical Ecosystems and Environment
• Industries and Economies in the Tropics
• Peoples and Societies in the Tropics
• Tropical Health, Medicine and Biosecurity

Place is powerful
The Tropics is our place: a vast geographic area that Aristotle called the Torrid Zone. Our three tropical campuses are complemented and extended by regional and remote study centres and research stations.

Students are at the heart of our University and we inspire them to make a difference in their fields of endeavour and in their communities by:
• delivering high quality teaching and learning programs in a research-rich environment and
• fostering their professional expertise and intellectual curiosity.
• Our world-class research generates new knowledge and understanding to meet the challenges facing the peoples of the tropics.

Diversity and reconciliation
Embracing the diversity of the communities we serve in two countries, we work with them to create opportunities and enduring benefits for our regions and beyond.

Acknowledging the First Nation peoples of the world, their rich cultures and their knowledge of the natural environment, we pay particular respect to Aboriginal and Torres Strait Islander peoples, the traditional custodians of the lands and waters of Australia.

We are pledged to achieve genuine and sustainable reconciliation between the Aboriginal and Torres Strait Islander peoples and the wider community.

Sustainability
Committed to the principles of sustainability, we will ensure that our actions today do not limit the range of social, cultural, environmental and economic options open to future generations.

An international University as reflected in our people, our places, and our research, we take quiet pride in being recognised as a leading tertiary institution in Australia, our Asia-Pacific region and among the universities of the world.

Our values and beliefs
Our actions are underpinned by our values and beliefs:

Values:
• Excellence
• Authenticity
• Integrity
• Sustainability
• Mutual Respect
• Discovery

Beliefs:
• We recognise that knowledge has the power to change lives
• We ignite and support a passion for learning in our community
• We are enriched by and celebrate our communities’ diversity
• We understand that a sustainable environment is central to our lives and our work
• We uphold our commitments
University Plan 2013-2017

The University Plan builds upon our Strategic Intent, stating our priorities and setting out the aims and objectives in relation to our core business and the ‘enablers’ – the resources, services and capabilities that underpin the activities of the University.

Our Priorities

A University for the Tropics, World-Wide
Our aim is to position James Cook University as a national and international leader in teaching and research, addressing critical challenges facing the tropics worldwide.

One University, Two Countries, Three Tropical Campuses
Through our three tropical campuses – Cairns, Townsville and Singapore – James Cook University will become a tri-city university at which internationalisation is integral to our intent and our make-up.

People and Place
We want James Cook University to be an employer of choice for staff and a university of choice for students. We are committed to building an environment that makes excellence possible, that promotes performance and productivity, values equity and diversity, and fosters community spirit and personal wellbeing.

Development, More Sustainably
We believe that social, environmental and economic sustainability must be embedded in our daily practices and integrated in everything we do. In seeking a brighter future for people in the tropics worldwide, James Cook University staff and students will work to ensure that our actions today do not limit the range of social, cultural, environmental and economic options of future generations.

Connecting, Locally and Globally
As a regionally-based university, we recognise our obligation to engage with industry and government and to share our research findings. We will continue to respond proactively in terms of our civic responsibilities, interacting with our stakeholders in mutually beneficial ways to ensure that our regions grow and prosper sustainably.
At James Cook University we acknowledge Australian Aboriginal and Torres Strait Islander peoples of this nation. We acknowledge the traditional custodians of the lands on which JCU campuses and study centres are located and where we conduct our business.

We pay our respects to ancestors and elders, past, present and future. JCU is committed to honouring Australian Aboriginal and Torres Strait Islander peoples’ unique cultural and spiritual relationships to the land, waters and seas and their rich contribution to JCU and society.

We believe in creating a university environment where Aboriginal and Torres Strait Islander peoples and members of the wider campus community, work, study and live together with mutual respect and understanding.

We aim to incorporate Aboriginal and Torres Strait Islander art and cultures within the physical structures and spaces of the University, and integrate Aboriginal and Torres Strait Islander knowledge about cultural, relationship to land and history, along with perspectives and experience throughout our core business activities.

Within our region we contribute to the efforts to strengthen the employment and economic outlook for Aboriginal people and Torres Strait Islanders by engaging people across all facets of our core business activities.

Australian Aboriginal and Torres Strait Islander people
Locations

Townsville
Around 13,000 students attend JCU’s Townsville Campus, including about 1,500 international students. The campus is located in the suburb of Douglas, in a 386-hectare natural bush and parkland setting, 13 kilometres (8 miles) from the central business district.

Cairns
Over 4,000 students attend JCU’s Cairns Campus, including about 380 international students. The campus location is spectacular – surrounded on three sides by rainforest-covered mountains. Located near the northern beaches in the suburb of Smithfield, the campus is 15 kilometres (9 miles) north of the city centre.

Singapore
JCU Singapore was established in 2003 as JCU’s first international campus. Bringing programs direct from Australia and resident senior academic staff from JCU to ensure academic quality, students studying at JCU Singapore can complete their studies in a shorter duration (usually two years) than conventional Australian degrees.

Brisbane
(operated by Russo Higher Education)
JCU Brisbane offers bachelor degrees and postgraduate programs in business and information technology for international students. Students can complete their studies in a shorter time due to the academic calendar of three trimesters per year.

Mackay
The Mackay Education and Research Centre (MERC) located at the Mackay Base Hospital accommodates the teaching of our Social Work degree and provides a larger facility for medical and dental clinical placements.

Mount Isa
The Mount Isa Centre for Rural and Remote Health (MICRRH) creates access to health education for the remote west region of Queensland.

Thursday Island
JCU Thursday Island provides teaching and learning facilities for nursing and education students in the Torres Strait region at the northern tip of Australia.
The Office of the Division of Tropical Environments and Societies provides collaborative leadership with the Colleges and ensures that the Colleges are able to deliver the core business of learning and teaching, research and engagement and contribute effectively to the strategic agenda. The Division office drives the strategic objectives of the Division and also services a proportion of College administrative operations. The Colleges of the Division include:

- Business, Law and Governance
- Arts, Society and Education
- Marine and Environmental Sciences
- Science, Technology and Engineering

**College of Science and Engineering**

As part of the Division of Tropical Environments and Societies, the College of Science and Engineering promotes, fosters, supports and administers quality teaching, hands-on experiences, industry placements and research at JCU in the areas of Marine Biology and Aquaculture, Zoology and Ecology, Geoscience, Environmental Management, Physical Sciences and Engineering.
The Lecturer/Senior Lecturer – Analytical Chemistry will be responsible for teaching analytical, physical and marine chemistry in science degree programs at all levels, acting as subject coordinator, assisting in curriculum development, undertaking research in analytical chemistry, recruitment and supervision of postgraduate students and be available for consultation across and outside the University. Based in the newly opened, state of the art JCU Science Place, service teaching into Pharmacy, Engineering, Biomedical and Veterinary Science programs will also be required. The appointee must demonstrate commitment to excellence in teaching undergraduate students and the capacity to develop an independent research profile. Working closely with staff and students across JCU campuses on administrative duties is also integral to the role.

While applications from candidates with a research background in any aspect of analytical chemistry are encouraged, preference will be given to applicants with a background that aligns with the Discipline’s and the College’s research strengths.

Principal Accountabilities

The Principal Accountabilities include but are not limited to:

1. Deliver teaching in analytical chemistry and aspects of physical and marine chemistry at undergraduate and postgraduate levels, including service teaching to other disciplines.
2. Provide subject co-ordination for Chemistry subjects.
3. Undertake research and supervise postgraduate students in analytical chemistry.
4. Perform administrative duties in support of the College’s activities.
5. Engage in professional and community activities, including marketing and outreach.
6. Assist with WH&S matters.
7. Support the University’s commitment to the principles of reconciliation, which exemplify respect for Aboriginal and Torres Strait Islander heritage and the valuing of justice and equity for all Australians.
8. Demonstrate a commitment to the University values.

General Accountabilities

There are generic responsibilities that apply to all James Cook University staff.

1. The Lecturer/Senior Lecturer – Analytical Chemistry is required to observe the lawful and reasonable directions, policies and decisions of the University Council, understand and comply with the Enterprise Agreement, the Statutes and Rules of the University, the policies and decisions of the University Council and other appropriate University authorities, as in force from time to time.

2. The Lecturer/Senior Lecturer – Analytical Chemistry is required to demonstrate a personal commitment to ensure personal safety and the safety of others and contribute to the continuous improvement of our WHS performance. This includes the effective implementation and compliance with James Cook University WHS policies, procedures and safe systems of work, together with all relevant legislation, duties and obligations. Contribute to the continuous improvement of our WHS performance.

3. The Lecturer/Senior Lecturer – Analytical Chemistry is required to exercise proper discretion in all matters affecting the well-being of the University which involve public writing or speaking in accordance with the University’s Code of Conduct.

Special Conditions

It is a requirement of this position that the applicant be based in Townsville.

Selection Criteria

Selection and appointments will be assessed against the selection criteria.

Essential

1. PhD in Analytical or Physical Analytical chemistry or related discipline with significant postdoctoral and/or research experience.
2. Capacity to successfully teach analytical chemistry and aspects of physical and marine chemistry to undergraduate students at all levels within Science, Biomedical Science, Veterinary Science, Engineering and Pharmacy degree programs. Appointment at Senior Lecturer level will be dependent upon demonstrated capacity.
3. Evidence of a well-developed research track record with interdisciplinary collaboration.
4. Capacity to attract competitive research funding. Demonstrated evidence of successful attraction of competitive research funding will be required for consideration of appointment at Senior Lecturer level.
5. Potential and/or demonstrated capacity to establish an independent research program involving collaborations across disciplinary, institutional boundaries and/or industry.

Desirable

1. Demonstrated ability to co-ordinate teaching and develop curriculum in analytical and physical/marine chemistry at advanced levels in undergraduate Chemistry and related programs.
2. Research track record in analytical chemistry that aligns with existing research strengths within College and University strategic directions.
3. Success in supervision of postgraduate students to completion.
4. Involvement in professional activities
5. Experience in liaising with schools and in encouraging high school students to study Chemistry at tertiary level.
6. Holder of a recreational and/or other boat license.
7. Experience in development and coordination of online education programs.
8. Experience in leading field trips.
Application Process

A national and international search is being undertaken by UniRecruit, in parallel with the public advertising of this position.

Confidential enquiries
Confidential enquiries should be made to:
Janine Walker on +61 (0) 407 621 306 or janine.walker@uni-recruit.com.au or to,
Dora DeLaat on +61 (0) 434 051 349 or dora.delaat@uni-recruit.com.au

Applications
Your application should be in ‘Word’ format and include a covering letter in which you address the essential Selection Criteria.

In addition, your application should contain your full curriculum vitae including the following:
• Full name, address, mobile and telephone number(s) and email address.
• Names, telephones and email contact of at least three referees (no contact will be made without your permission).
• Country of permanent residence.
• Employment history, including present position and notice required.
• Details of education, professional training and qualifications.
• Details of relevant professional, consulting or industry experience.
• Research interests and list of publications.
• Research grants awarded.
• Any other relevant information, such as office held in professional bodies and community service.

All applications (in ‘Word’ format) should be emailed to Janine Walker at: janine.walker@uni-recruit.com.au

Closing date: 13 August 2017
About North Queensland

Australia’s Wet Tropics is a band of tropical rainforest and associated vegetation that runs up the north east coast of Queensland from Townsville to Cooktown. The World Heritage property covers an area of approximately 894,000 hectares. It was inscribed on the World Heritage List in 1988 in recognition of its scenic beauty and biological important.

The Great Barrier Reef is the largest reef in the world measuring 2011 km in length and 72 km across at its widest point, making it the world’s largest World Heritage Area. The Reef became one of Australia’s first World Heritage Areas. There are an estimated 1,500 species of fish, over 300 species of hard reef building corals, more than 4,000 mollusc species plus over 400 species of sponges have been identified.

North Queensland is home to some of the best weather year round that Australia has to offer.

Sunny days, warm waters, cool ocean breezes and generally comfortable climate are part of what make north Queensland such a popular place to live. The north Queensland climate is characterised by two distinct seasons, with warm temperatures and a low rainfall during the winter period while summer sees higher rainfall and warmer, balmy temperatures.

Townsville

Townsville is located about halfway between the tip of Cape York and Brisbane.

The Ross River flows from the foothills of the Hervey and Mount Stuart ranges to its outlet in Cleveland Bay, where the CBD’s skyline is dominated by the distinctive Castle Hill and Magnetic Island lies just eight kilometres offshore.

The region is partly within and adjoins the Great Barrier Reef World Heritage Area, the Great Barrier Reef Marine Park and the Queensland State Marine Park.

Townsville has a strong and diverse economy in which significant industries include retail trade, health and education services, government administration and defence, construction, mining, manufacturing, and property and business services.

Further information on living in Townsville including educational facilities and healthcare can be found at townsvilleenterprise.com.au