Position Details

Research Scientist/Engineer- CSOF7

THE FOLLOWING INFORMATION IS FOR APPLICANTS	
Advertised Job Title	Principal Research Scientist Virtual Care
Job Reference	81582
Tenure	Indefinite
Salary Range	AU$141,949 to AU$157,055pa (pro-rata for part-time) + up to 15.4% superannuation
Location(s)	Brisbane
Relocation Assistance	Will be provided to the successful candidate if required
Applications are open to	All Candidates
Position reports to the	Group Leader, Health and Biosecurity
Client Focus – Internal	60%
Client Focus – External	40%
Number of Direct Reports	0
Enquire about this job	Contact Jill Freyne via email at Jill.Freyne@csiro.au or phone +61 2 9372 4453
How to apply	Apply online at https://jobs.csiro.au/ Internal applicants please apply via **Jobs Central** If you experience difficulties when applying, please email careers.online@csiro.au or call 1300 984 220.

Role Overview

CSIRO Health & Biosecurity is seeking a motivated Principal Research Scientist to join the Health Services group in the Australian e-Health Research Centre. The Health Services group works with clinical partners in virtual care initiatives to develop new models of delivering health services using technology such as mobile health, tele-health or the health internet of things.

In this diverse role, you will engage with a variety of clinical, engineering, and research stakeholders to deliver a range of innovative virtual care solutions for management of acute and chronic diseases, care of elderly in their own home, and the disability sector. The focus of your work will be undertaking design, implementation, and evaluation of digital health platforms and their components and/or integration. You will have the opportunity to build and maintain networks, play

a lead role in securing project funds, provide scientific leadership and pursue new ideas and approaches that create new concepts.

Duties and Key Result Areas

- Developing and validating innovative digital tools in health monitoring and management for best health outcomes
- Developing projects and providing leadership in areas such as acute or community care, ageing or disability for delivering care. You will also contribute to existing projects.
- Ensuring timely and successful delivery on key milestones of internally and externally funded projects in close collaboration with scientists across CSIRO and other Institutions
- Building relationships and maintaining collaborations with clinical partners, including Queensland, NSW, Victorian, SA and WA Health, eHealth Queensland, Universities, and external industry partners
- Providing support to the Health Services Group of the AEHRC, via collaborative research and student supervision with specific focus on biomedical instrumentation and development
- Devising strategy and owning overall scientific responsibility for research and interpretation of results.
- Contributing to research innovation of digital health platforms to support group projects, including development and testing (evaluation) of novel sensing systems.
- Translating research outputs into high impact tangible outcomes, including transferring knowledge to non-scientific audiences.
- Anticipating industry and/or community needs and market direction through client liaison/networking.
- Publishing research results and presenting findings at conferences and meetings.
- Leading, supervising and mentoring staff to successfully deliver research projects.

Selection Criteria

Essential

Under CSIRO policy only those who meet all essential criteria can be appointed.

1. A PhD (or an equivalent combination of qualifications and research experience) in a relevant field such as biomedical engineering, mechatronics engineering, software engineering, or similar.
2. Demonstrated ability to undertake original, creative and innovative research by generating and pursuing novel ideas and solutions to scientific research problems.
3. A demonstrated publication history of authorship on scientific papers in peer-reviewed journals and/or reports, grant applications or inventorship on patent applications. Strong and collaborative communication skills to communicate research results to clients and the scientific community through oral and written reports
4. Experience in research in the domain of eHealth, health services or preventative health.
5. Experience in designing and implementing human participant trials, including ethical conduct in human research.
6. Knowledge and understanding of monitoring, wearable and medical devices technology for health.

Desirable

1. Experience leading applied research in the areas of human-computer interaction or user-centric computing.
2. Experience in designing and evaluating real world interactive technologies, including qualitative and quantitative data analysis.
3. Knowledge and understanding of hardware and software development, predictive analytics, Artificial Intelligence and Machine Learning.

Required Competencies

- **Teamwork and Collaboration:** Creates and fosters an environment in which there is a high level of cooperation within and between teams. Facilitates positive team relationships to build interactions across Business Units and the organisation.
- **Influence and Communication:** Identifies critical stakeholders and influences them via an influential third party, for example through an established network, to gain support for sometimes contentious proposals/ideas.
- **Resource Management/Leadership:** Provides leadership that fosters an environment that encourages new ideas and provides support for the development of emerging skills. Creates trust by displaying consistency, understanding, integrity and patience. Plans, seeks, allocates and monitors resources to achieve outcomes.
- **Judgement and Problem Solving:** Resolves major conceptual scientific, technical, commercial or management problems, which have a significant impact upon the field of research, professional function, the Business Unit or the Organisation. Situations faced have little or no precedent and require original concepts and approaches.
- **Independence:** Assesses the risk and opportunity of identified strategies, options and actions. Overcomes problems and setbacks in achieving goals. Invariably includes consideration of value-added future impact on bottom line when determining the optimal and efficient use of resources.
- **Adaptability:** Is flexible in response to external change or when faced with external constraints. Identifies and promotes the opportunities arising as a result of change.

Special Requirements

The successful candidate will be asked to obtain and provide evidence of a National Police Check or equivalent. Please note that people with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.

About CSIRO

We solve the greatest challenges through innovative science and technology. To find out more visit us online!

CSIRO is a values-based organisation. In your application and at the interview you will need to demonstrate behaviours aligned to our values of:

- People First
- Further Together
- Making it Real
- Trusted

Find out more about CSIRO Health and Biosecurity