# Position Details

## Research Scientist/Engineer- CSOF6

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| The following information is for applicants | |
| Advertised Job Title | Senior Research Scientist – Virtual Care |
| Job Reference | 85221 |
| Tenure | Indefinite  Full-time |
| Salary Range | AU$117,917 to AU$138,176 pa (pro-rata for part-time) + up to 15.4% superannuation |
| Location(s) | Brisbane, QLD, Melbourne VIC, Sydney NSW, Adelaide SA |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Position reports to the | Principal Research Scientist Virtual Care |
| Client Focus – Internal | 40% |
| Client Focus – External | 60% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Marlien Varnfield via email at Marlien.Varnfield@csiro.au or phone + +61 7 3253 3603 |
| 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](mailto:careers.online@csiro.au) or call 1300 984 220. |

**Acknowledgement of Country**

CSIRO acknowledges the Traditional Owners of the land, sea and waters, of the areas that we live and work on across Australia. We acknowledge their continuing connection to their culture and pay our respects to their Elders past and present. View our [vision towards reconciliation](https://www.csiro.au/en/about/Indigenous-engagement/Reconciliation-Action-Plan).

### Role Overview

The role of the Research Scientist Staff in CSIRO is to conduct innovative research leading to scientific achievements that are aligned with CSIRO’s strategies. You may be engaged in scientific activity ranging from fundamental research to the investigation of a specific industry or community problems. 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.

### This role is a part of CSIRO’s Health and Biosecurity business in their Australian e-Health Research Centre (AEHRC - http://aehrc.com/), a world-class centre undertaking research and development across health and biomedical informatics and health services. It is seeking to appoint a highly motivated Senior Research Scientist within its Health Services group. The Health Services group works with clinical partners to develop new models of delivering health services using technology such as mobile health, telehealth or the health internet of things.

### In this diverse role, you will engage with a variety of clinical, engineering, and research stakeholders to establish and deliver a range of innovative virtual care solutions to support health care delivery and health management. The focus of this role will be to undertake the design, implementation, and evaluation of digital health platforms and their components and/or integration. It will also require building relationships and maintaining collaborations with clinical partners, including Queensland, state and service area health departments, eHealth Queensland, Universities and external industry partners and providing support to the Health Services Group of the AEHRC, via collaborative research and student supervision with a specific focus on technology-based clinical application and physiological monitoring. The knowledge and understanding of monitoring, wearable and medical devices technology for health, wellbeing, disease prevention and recovery tracking will be of advantage.

### Duties and Key Result Areas

* Designing and validating innovative digital tools in health monitoring and management for the best health outcomes
* Developing projects in areas such as acute or community care, aged care and disability care
* Ensuring timely and successful delivery on key milestones of internally and externally funded projects in close collaboration with scientists across CSIRO and other Institutions
* Establishing and progressing research innovation of digital health platforms independently and contributing to group projects
* Finding and securing funding to support and supplement research activities
* Facilitating project management of research projects from conception to completion and providing oversight and support to other group projects
* Interacting positively and working collaboratively in a team environment with colleagues, partners and customers.
* 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.
* Using professional expertise, knowledge of other disciplines and research experience to develop and complete a program of research.
* Publishing research results and presenting findings at conferences and meetings.
* Leading, supervising and mentoring staff to successfully deliver research projects.
* Communicate openly, effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work collaboratively as part of a multi-disciplinary, regionally dispersed research team to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Values, Code of Conduct, Health, Safety and Environment procedures and policy, Diversity initiatives and Making Safety Personal goals.
* Other duties as directed.

## **Selection Criteria**

#### Essential

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

* A PhD (or an equivalent combination of qualifications and research experience) in relevant areas such as public health, mHealth, implementation science, or similar.
* Prior knowledge of clinical care delivery and skills in technology-based clinical application and physiological monitoring
* Prior knowledge of research project management including project administration (ethical clearance, contract agreement, budgets, and data management)
* Proven record of science innovation and creativity plus the ability & willingness to incorporate novel ideas and approaches into scientific investigations
* Demonstrated ability to lead projects focused on delivering science-based solutions for stakeholders
* Postdoctoral experience and a strong record of publication in high-quality, peer-reviewed journals
* Experience in research in the domain of eHealth, health services or preventative health
* Strong and collaborative communication skills to communicate research results to clients and the scientific community through oral and written reports

## **Desirable**

1. Prior knowledge and understanding of hardware and software development, predictive analytics, AI and ML
2. Demonstrated experience in designing and evaluating real-world interactive technologies, including qualitative and quantitative data analysis

## **Required Competencies**

* **Teamwork and Collaboration:** Cooperates with others to achieve organisational objectives and may share team resources in order to do this. Collaborates with other teams as well as industry colleagues.
* **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:** Sets up and maintains effective and efficient work teams and manages performance and resources, to achieve objectives. Chooses appropriate management strategies and communication styles to maintain high levels of motivation and productivity. Gives feedback for development purposes and provides support and direction for improvement.
* **Judgement and Problem Solving:** Anticipates and manages problems in ambiguous situations. Develops and selects an appropriate course of action and provides for contingencies. Evaluates, interprets and integrates complex bodies of information and draws logical conclusions, synthesises proposals and defends options with reasoned arguments.
* **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:**Demonstrates flexibility in thinking and adapts to, and manages, the increasing rate of organisational change by adjusting strategies, goal and priorities.

Special Requirements

Appointment to this role may be subject to conditions including the provision of a national police check as well as other security/medical/character clearance 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](http://www.csiro.au/)!

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

* 1. People First
  2. Further Together
  3. Making it Real
  4. Trusted

Find out more about CSIRO [Health and Biosecurity](https://www.csiro.au/en/Research/BF)