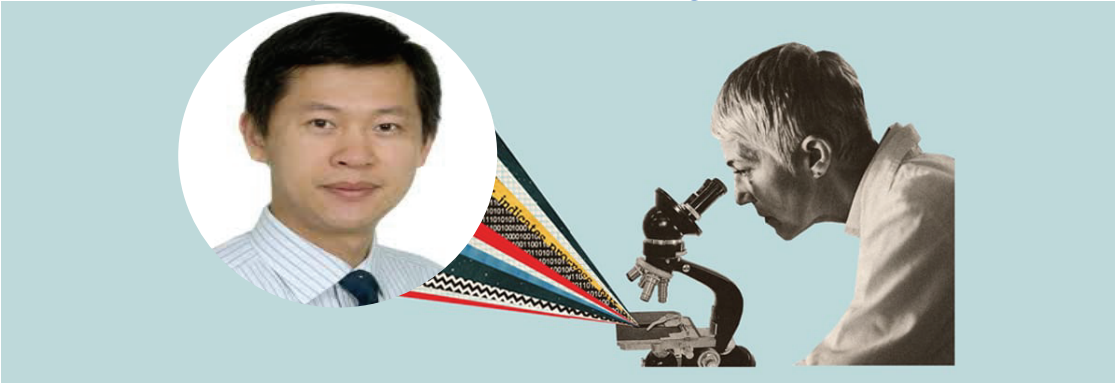


Under the Microscope – Professor Wei Xiang



1. Tell me about your area of research?

My area of research is the Internet of Things Engineering, which is concerned with enabling machine-to-machine communications, and collecting and analyzing sensory data from all sorts of sensors including wearable medical sensors.

2. What interests you about working in this area?

Internet of Things (IoT) heralds a new era of so-called Industry 4.0, where machines may outsmart human!

3. How do you see your research developing in the future?

Over the past three and half years, I have established a new discipline of Internet of Things Engineering at JCU Cairns from scratch. I plan on further growing my team focusing on three major areas of IoT applications, namely smart healthcare, smart agriculture, and environmental monitoring.

4. What are the 5 most important techniques you use in your research?

Being innovative, being visionary, working with national and international collaborators, developing leadership skills, and inspiring your team members.

5. What advice do you have for science students who are considering medical research as a career? Try to develop a multi-disciplinary mindset, as many medical breakthroughs have been achieved through collaboration with team members with diverse background. A good example is that wearable IoT technology is revolutionizing the way how quality healthcare is delivered.

6. What do you see as the benefits of being part of the Centre for Molecular Therapeutics (CMT)? Working with experts with expertise and skill sets that are complimentary to my research in smart health.

7. Tell me about the highlights of your professional career so far?

I had the privilege to lead a team of academics to establish Australia's first Internet of Things Engineering course that became accredited by Engineers Australia in 2016.

8. What would you like to do in the future?

Innovative and exciting research that will lead to positive impact on industry, community and people.

9. Tell me 5 things you dislike?

Wasting time, useless meetings, snakes, sweats, gaming

10. Tell me 5 things that make you happy?

Winning grants, publishing papers, talking with people who inspire me, swimming, playing with my daughter