

19 September 2017

## Critical Mass Research Group

### Bioengineering & Biophysics Workshop

This CMRG workshop will showcase the broad bioengineering and biophysics research undertaken at UWA. Attendees will have the opportunity to liaise with like-minded academics in their field and create new networks to expand their own and UWA's research impact. Students and medical researchers are very welcome!

**Date:** 29 September 2017

**Time:** 9:00am – 12:00pm, followed by light lunch and networking

**Venue:** [Weatherburn Lecture Theatre](#)

**RSVP:** [Brendan.Kennedy@uwa.edu.au](mailto:Brendan.Kennedy@uwa.edu.au) by **27 September**

Time	Topic
9:00-9:10	Towards frequency-based nano-electronic biodetection technologies <b>Peter Metaxas</b> - Mechanical & Chemical Engineering / Physics & Astrophysics
9:10-9:20	Image processing and computer vision <b>Mohammed Bennamoun</b> - Computer Science & Software Engineering
9:20-9:30	Microelectronics Research Group <b>Gia Parish</b> – Electrical, Electronic & Computer Engineering
9:30-9:40	Vascular Engineering <b>Barry Doyle</b> – Mechanical & Chemical Engineering
9:40-9:50	Engineering Computational Biology <b>Chang-Joon Lee</b> – Computer Science & Software Engineering

9:50-10:00	Bio-imaging Research and Innovation for Translational Engineering <b>Brendan Kennedy</b> – Electrical, Electronic & Computer Engineering
10:00-10:10	Augmented reality in the dentist’s chair <b>Marcus Pham</b> – Electrical, Electronic & Computer Engineering
10:10-10:20	Intelligent Systems for Medicine Laboratory <b>Adam Wittek</b> – Mechanical & Chemical Engineering
10:20-10:30	Medical image analysis <b>Ajmal Mian</b> – Computer Science & Software Engineering

*Morning Tea*

11:00-11:10	Translating medical research <b>Kevin Pflieger</b> – Harry Perkins Institute of Medical Research
11:10-11:20	Addressing “big questions” in medical research <b>Martin Ebert</b> – Physics & Astrophysics
11:20-11:30	Materials and design: Key elements for successful tissue engineering of functional eardrum membrane grafts. <b>Rod Dilley</b> – Ear Science Institute
11:30-11:40	Biomimetics <b>Julian Partridge</b> – Animal Sciences
11:40-11:50	Mechanobiology – the force of nature <b>Yu Suk Choi</b> – Human Sciences
11:50-12:00	Closeout
12:00-1:00	Light Lunch and cross-functional discussions