

3D Printing in Medicine Summer Course, 20-22 November 2017

Monday 20 November	Tuesday 21 November	Wednesday 22 November
8.30am: Registration and coffee (Beaven Foyer, 7 th Floor, University of Otago Christchurch campus)		
9.00am: Welcome & Course Overview; Introduction to 3D Printing & Biofabrication in Medicine. Associate Professor Tim Woodfield (UO) (Beaven Lecture Theatre)	9.00am: A Brief History of Developing 3D Printing Technologies Professor Roger Narayan (NCSU) (Beaven Lecture Theatre)	9.00am: Path to Additive Manufacturing and its Future in Orthopaedics Mr James Burn, FRACS (Orthopaedic Surgeon) (Beaven Lecture Theatre)
9.45am: Additive Biofabrication for Medical Applications and Explorations Professor Gordon G. Wallace (UOW) (Beaven Lecture Theatre)	10.00am: Morning tea – catered (Beaven Foyer)	10.00am: Morning tea – catered Beaven Foyer)
10.45am: Morning tea - catered (Beaven Foyer)	10.30am: Powder Bed Fusion of Titanium Seamus Tredinnick (UO) (Beaven Lecture Theatre)	10.30am: Role of 3D Printing in Orthopaedics Professor Gary Hooper, FRACS (UO) (Beaven Lecture Theatre)
11.15am: Photopolymerization-based 3D printing of medical structures Professor Roger Narayan (NCSU) (Beaven Lecture Theatre)	11.30am: Building a Business Around Additive Manufacturing of Medical Devices Paul Morrison (Ossis Ltd) (Beaven Lecture Theatre)	11.30am: Panel discussion and Q&A, led by Tim Woodfield, Roger Narayan, Travis Klein, Khoon Lim, Seamus Tredinnick (Beaven Lecture Theatre)
12.15pm: 3D Bioprinting of Bioinks Associate Professor Travis Klein (QUT) (Beaven Lecture Theatre)	12.30pm: Lunch – catered (Beaven Foyer)	12.30pm: Lunch – catered (Beaven Foyer)
1.15pm: Lunch - catered (Beaven Foyer)	1.30pm: Practical 3D Printing workshop – Slicer Software Steven Muir (CDHB), Seamus Tredinnick (UO) (Student Computer Lab, 5 th Floor)	1.30pm: 3D Printing in Veterinary Medicine Seamus Tredinnick (OssAbility Ltd) (Beaven Lecture Theatre)
2.15pm: Development & Applications of Bioinks: Focus on Photopolymerisation Dr Khoon Lim (UO) (Beaven Lecture Theatre)		2.30pm: Afternoon tea – catered (Beaven Foyer)
3.15pm: Afternoon tea (Beaven Foyer)	3.00pm: Afternoon tea – catered (Beaven Foyer)	3.00pm: Practical and Workshop review, awards and closing Associate Professor Tim Woodfield (Beaven Lecture Theatre)
3.45pm: Lab tour & 3D Bioprinting demonstration Dr Khoon Lim, Dr Gabriella Brown, Cesar Alcala (UO) (CReaTE Lab, 4 th Floor Labs)	3.30pm: Practical 3D Printing workshop Seamus Tredinnick (OssAbility Ltd) (Student Computer Lab, 5 th Floor)	
	4.30pm: Close	4.00pm: Close

5.15pm: Close

5.00pm: Optional - Australasian Society for Biomaterials & Tissue Engineering (ASBTE) Student Networking Event – free pizza!
(Beaven Foyer)