



Day 1 – Sunday 30 April 2017

8.30 - 9.00am	Conference Opening & Welcome to Country	
	<p>Conference Welcome: David Sampson, The University of Western Australia, ICOB2017 Chair</p> <p>Conference Opening: Brian Wilson, Princess Margaret Cancer Centre, Canada, Dennis Matthews, University of California Davis, USA and Jürgen Popp, Leibnitz Institute of Photonics, Germany</p>	
9.00 - 9.45am	Plenary Presentation	
	<p>Eugene Arthurs, PhD, CEO, SPIE – The International Society for Optics and Photonics, USA <i>Biophotonics; Sustaining the Endless Frontier</i></p>	
9.45 - 10.00am	Discussion	
10.00 - 10.30am	Morning Tea & Exhibition	
10.30 - 12.00pm	Session 1: How to Set a Big Picture Biophotonics Agenda	
	<p><i>Session Leader:</i> Laura Marcu, University of California Davis, USA</p>	
	<p><i>Speakers:</i> Stephen Boppart, University of Illinois at Urbana-Champaign, USA</p>	
	<p>Mark Hutchinson, University of Adelaide, Australia</p>	
12.00 - 1.00pm	Lunch & Exhibition	
1.00 - 3.00pm	Session 2: In Vivo Non-Invasive Retinal Vessel and Blood Flow Imaging: Biophotonic Advances and Clinical Applications	Session 3: Tumour Margin Identification: Critiquing Technologies
	<p><i>Session Leader:</i> Fred Chen, Lions Eye Institute, Australia <i>Can Biophotonic Advances Overcome Clinical Challenges in Human Retinal Vascular Imaging?</i></p>	<p><i>Session Leader:</i> Stephen Boppart, University of Illinois Urbana Champaign, USA</p>
	<p><i>Speakers:</i> Andrew Metha, University of Melbourne, Australia <i>In-vivo Human Adaptive Optics Imaging of Retinal Capillary Structure and Function</i></p>	<p><i>Speakers:</i> J. Quincy Brown, Tulane University, USA <i>Mind the Gaps: An Argument for more Comprehensive Surface Sampling of Tumor Resection Margins Using Advanced Microscopy</i></p>
	<p>Chandra Balaratnasingam, Lions Eye Institute, Australia <i>Optical Coherence Tomography Angiography in Ophthalmology</i></p>	<p>Christobel M. Saunders, The University of Western Australia, Australia <i>How Optical Solutions Can Solve Problems in Cancer Surgery</i></p>
3.00 - 3.30pm	Afternoon Tea & Exhibition	
3.30 - 4.30pm	Session 4: Hot Posters	
	<p><i>Session Chairs:</i> Philip Wijesinghe, The University of Western Australia and Danuta Sampson, Lions Eye Institute, Australia</p>	
	<p><i>Presenters:</i> 15 presenters @ 3min each</p>	
4.30 - 6.00pm	Poster Session	
6.30 - 8.30pm	Welcome Reception at Bathers Beach House, Fremantle Canapés & Beverages Provided	



Day 2 – Monday 1 May 2017

9.00 - 9.45am	Opening Presentation	
	<p>Stephen K Robinson, Former NASA Astronaut, University of California Davis, USA <i>Biophotonics in Space</i></p>	
9.45 - 10.00am	Discussion	
10.00 - 10.30am	Morning Tea & Exhibition	
10.30 - 12.00pm	Session 5: Challenges in Translation: Models to Promote Translation	
	<p><i>Session Leader:</i> Jürgen Popp, Leibniz Institute of Photonic Technology, Germany</p>	
	<p><i>Speakers:</i> Dennis Matthews, University of California Davis, USA <i>The Long Road to Commercialising a Personal Blood Count Monitor</i></p>	
	<p>Brian Wilson, Princess Margaret Cancer Centre, Canada <i>Challenges in Clinical Translation Of Biophotonics Technologies, Exemplified by Optical Spectroscopy/Spectral Imaging</i></p>	
	<p>Alfredo Martinez-Coll, MTPConnect, Australia</p>	
12.00 - 1.30pm	<p>Lunch & Exhibition – Outreach with Stephen Robinson and Naked Scientist Chris Smith In the exhibition area, the OSA – The Optical Society Student Chapter will run outreach activities for high school children: Origami microscope; How safe is my green laser pointer? And seeing beneath your skin with light.</p>	
1.30 - 3.00pm	Session 6: Spark-Colab, Training People to Identify a Commercial Pathway for Unmet Needs	
	<p><i>Session Leader:</i> Peter Santa Maria, The University of Western Australia, Australia Medical Device Innovation Session (Presented by SPARK Co-Lab)</p>	
	<p><i>Speakers:</i> Ming Yew, St John of God's Hospital, Murdoch, Australia and Dylan Beinart, The University of Western Australia, Australia <i>Identifying Areas of Clinical Need for Innovation</i></p>	
	<p>Arjun Kaushik, The University of Western Australia, Australia and Sarah McGarry, Princess Margaret Hospital for Children and Fiona Stanley Hospital, Australia <i>How to Progress an Area of Need through to the Clinic: A Case Study of Iris Medical</i></p>	
	<p>Peter Santa Maria, The University of Western Australia, Australia and Hserrn Ern Tan MD, Ear Science Institute of Australia <i>Successful Brainstorming</i></p>	
	<p>Ming Yew, St John of God's Hospital, Murdoch, Australia, Dylan Beinart, The University of Western Australia, Australia, Arjun Kaushik, The University of Western Australia, Australia, Sarah McGarry, Princess Margaret Hospital for Children and Fiona Stanley Hospital, Australia, Peter Santa Maria, The University of Western Australia, Australia and Hserrn Ern Tan MD, Ear Science Institute of Australia <i>Brainstorming Practical Session</i></p>	
3.00 - 3.30pm	Afternoon Tea & Exhibition	
3.30 - 5.30pm	Session 7: Neurophotonics	Session 8: Radical New Ideas in Biophotonics
	<p><i>Session Leader:</i> Anita Mahadavan-Jansen, Vanderbilt University, USA</p>	<p><i>Session Leader:</i> Kishan Dholakia, University of St Andrews, Scotland</p>
	<p><i>Speakers:</i> Paul Stoddart, Swinburne University of Technology, Australia <i>Pushing the Boundaries in Neuromodulation</i></p>	<p><i>Speakers:</i> Chris Xu, Cornell University, USA</p>
	<p>Mark Hutchinson, The University of Adelaide, Australia</p>	<p>Tomasz Tkaczyk, Rice University, USA</p>
5.30 - 6.00pm	Session Wrap-up: Working on White Papers	
7.00 - 10.00pm	CONFERENCE DINNER & CONFERENCE CLOSING	



Day 1 Science on the Swan Conference – Tuesday 2 May 2017

8.00 - 8.45am	Science on the Swan - Opening Presentation
	<p>Welcome to Country by Dr Richard Walley OAM</p> <p>Welcome by Conference Co-Chairs Professor David Morrison & Professor George Yeoh</p> <p>Formal Conference Opening</p>
8.45 - 9.30am	Science on the Swan - Opening Keynote
	Nobel Laureate Professor Barry Marshall, AC
9.30 - 10.00am	Morning Tea & Exhibition
10.00 - 11.40pm	Science on the Swan - Session 1: ONE HEALTH: Microbiome
	Professor Jeremy Nicholson , Head, Department of Surgery & Cancer, Imperial College, London
	Professor Una Ryan , Biochemistry, Murdoch University, Perth
	A/Prof Katherine Kedzierska , Head, Human T cell Lab, Doherty Institute, Melbourne
11.40 - 1.00pm	Lunch & Exhibition
	Science on the Swan - Presentation Dr Stephen K Robinson , NASA Astronaut (Former)
1.30 - 2.30pm	ICOB - Post Conference Workshop: Biophotonics Publishing (Science on the Swan delegates welcome)
	<p><i>Session Leader:</i></p> <p>Eric Pepper, SPIE – The International Society for Optics and Photonics, USA – SPIE Director of Publications</p> <p><i>Panelists:</i></p> <p>Christoph Hitzemberger, Medical University of Vienna, Austria - Biomedical Optics Express</p> <p>Jürgen Popp, Leibnitz Institute of Photonics, Germany – Journal of Biophotonics</p> <p>Martin Delahunty, Springer Nature, United Kingdom - Global Director, Nature Partner Journals</p>
2.30 - 3.00pm	ICOB Post Conference Workshop Closing
3.00 - 3.15pm	Afternoon Tea