

CSIRO Gene editing of crops Workshop  
Kiama, NSW Australia 28-30 Nov 2017

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**Tuesday 28<sup>th</sup> November 2017** 17.30-19.30 Mixer (Drinks and light refreshments)

<b>Wed 29<sup>th</sup> November 2017</b>		
Time	Presenter	Title
<b>9.00 Session 1</b>		
<b>Opening</b> Chair Steve Jobling		
9.00 - 9.15	Steve Jobling,	Conference opening remarks
9.15 - 9.30	Allan Green, CSIRO	Gene editing in a metabolic engineering context
9.30 - 10.15	Caixia Gao, IGDB Beijing	Crop genome engineering and precise breeding with genome editing technologies.
<b>10.15</b>	<b>Morning Break</b>	
<b>10.45 Session 2</b>		
<b>Science</b> Chair Filomena Pettolino		
10.45 - 11.30	Yao-Guang Liu, South China Agricultural Univ.	A high-efficiency plant genome editing toolkit and the application in functional genomics and genetic improvement
11.30 -12.10	Sareena Sahab, VicDPI	Deploying zinc finger nucleases for genome editing in agriculturally important crop
12.10 - 12.30	Mick Ayliffe, CSIRO	TALEN and CRISPR gene editing in cereals
<b>12.30 Lunch</b>		
<b>13.30 Session 3</b>		
<b>Science &amp; Industry</b> Chair Graham Bonnett		
13.30 -14.10	Jin Soo Kim, Seoul National University	Genome-wide Target Specificities of CRISPR Nucleases and Deaminases
14.10 - 14.30	Felicity Keiper, Bayer Global	Regulatory Challenges Presented by Genome Editing – Industry Perspective
14.30 -14.50	Glen Thorlby, Scion	Experiences of SCION in the gene editing space
14.50 -15.10	Kerry Fluhr, CSIRO	CSIRO perspective on CRISPR licencing
15.10 -15.30	David Dall, Department of Agriculture and Water Resources	Gene editing – a perspective from the Australian Government Department of Agriculture and Water Resources
<b>15.30 Afternoon Break</b>		
<b>16.00 Session 4</b>		
<b>Regulation &amp; ethics</b> Chair Craig Cormick		
16.00 -16.20	Andrea Robold, OGTR	OGTR perspective on gene editing
16.20 -16.40	Lisa Kelly, FSANZ	Food regulatory perspective of gene editing

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16.40 -17.00	Heather Bray, U. Adelaide	Social science perspective on gene editing
17.00 -17.20	Lucy Carter & Aditi Mankad, CSIRO	Psychological and ethical perspectives on gene editing
17.20 -17.40	Craig Cormick, T.O.T.	Think outside the box
17.40 -18.00	Craig Cormick, T.O.T.	Q&A Panel
18.00 Close		
19.00 Dinner		

<b>Thursday 30<sup>th</sup> November 2017</b>		
Time	Presenter	Title
<b>9.00 Session 5</b>		
<b>Science talks</b> Chair Ming Luo		
9.00 - 9.40	Bin Yang, Iowa State	CRISPR-mediated genome editing in rice and maize
9.40 -10.10	Emma Wallington, NIAB, UK	Gene Editing in cereals
10.10 -10.30	Fatima Naim, U. Queensland	Exploring and improving genome editing in model plant <i>Nicotiana benthamiana</i>
<b>10.30 Morning Break</b>		
<b>11.00 Session 6</b>		
<b>Science talks</b> Chair Mick Ayliffe		
11.00 -11.30	Gang Li, U. Adelaide	Deciphering barley inflorescence morphogenesis using genome editing system
11.30 -11.50	Jimmy Botella, U. Queensland	CRISPR-mediated ultrafast breeding: converting 'non-sticky' elite rice varieties into 'sticky' rice (non-GM) in two generations
11.50 -12.10	Nijat Imin, Australian National. Univ.	CRISPR-mediated gene editing in hairy roots of model legume <i>Medicago truncatula</i>
12.10 -12.30	Mike Jones, Murdoch University, Perth	An approach to improve nutritional properties of potato varieties by genome editing
<b>12.30 Lunch</b>		
13.30 - 14.00 Early Career Researchers meet the Speakers		
<b>14:00 Session 7</b>		
<b>Technical Q&amp;A</b> Chair Peter Waterhouse		
14:00 - 15:00 Q&A panel	Speakers as panel members	
<b>15.15 - 15.30</b>	<b>Conf closing remarks</b>	
<b>15.30</b>	<b>Tea &amp; coffee, END</b>	