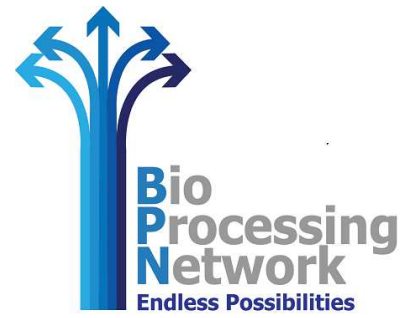


BPN Annual Conference 2016

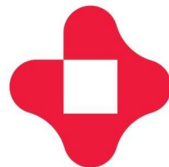


Encore, St Kilda, Australia

11 - 13 October 2016

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Tuesday 11 October 2016

Session 1: Upstream

Chair: **Greg Martin**
University of Melbourne (Victoria, Australia)

Time	Speaker		Title
0900 - 0930	Eleni Mumtsidu	1.1	<i>CHOptimizer® accelerating media optimization with platform approach</i>
0930 - 1000	Qi Zheng	1.2	<i>Economic delivery of carbon dioxide to microalgal systems</i>
1000 - 1030	Yong Y. Peng	1.3	<i>Production and purification of recombinant non-animal collagens</i>
1030 - 1115	<i>Morning Tea</i>		

1115 - 1215: Keynote Address

“T-cells and Cancer – New Therapies”

Dr Dominic Wall

Chief Scientific Officer, Cell Therapies Limited

Director of Operations – Pathology

Peter MacCallum Cancer Centre

Chair: Geoff Dumsday (CSIRO, Victoria Australia)

Keynote address sponsored by: *CSIRO*

1215 - Lunch and Poster Session
1330 Sponsored by: *Sartorius Stedim*

Session 1: Upstream (continued)

1330 - 1400	Singh Nisha	1.4	<i>Thermophilic Anaerobic Clostridia for Bioenergy production by Consolidated Bioprocessing</i>
1400 - 1430	Jack Then	1.5	<i>Considerations in the rapid development of robust upstream processes with modern single-use (disposable) technologies</i>
1430 - 1500	Carina Joe	1.6	<i>Recombinant VLPs as Superior Drug Candidates</i>
1500 - 1600	<i>Poster session and afternoon Tea</i>		

Session 2: Downstream processing

Chair **Steve Mahler**
University of Queensland (Queensland, Australia)

Time	Speaker		Title
1600 - 1630	Laurens Sierkstra	2.1	<i>CaptureSelect™ Technology: One-Step Selectivity in the Purification of Biological Products</i>
1630 - 1700	Yoshimi Hashimoto	2.2	<i>Novel Protein L-based chromatography resin for affinity purification of antibodies and antibody fragments.</i>
1700 - 1730	Peter Schmidt	2.3	<i>A robust robotic high-throughput antibody purification platform</i>
1730 - 1930	Welcome Mixer Sponsored by: <i>Tosoh Corporation</i>		

Wednesday 12 October 2016

Session 2: Downstream processing (continued)

Time	Speaker		Title
0900 - 0930	Sam. Q. K. Law	2.4	<i>Hexane Recovery from Ruptured Concentrated Microalgae Slurry via Centrifugation</i>
0930 - 1000	James McRae	2.5	<i>Flexible downstream processing with an extended range of disposable chromatography formats</i>
1000 - 1030	Hu Zhang	2.6	<i>Smart Biomaterials for Regenerative Medicines</i>
1030 - 1115	<i>Morning Tea</i>		

1115 - 1215: Focus Lecture 1

“Stable human antibody therapeutics through engineering of variable regions”

Associate Professor Daniel Christ

Head of Antibody Therapies

Director of the Centre of Targeted Therapy

The Garvan Institute of Medical Research

Chair: Joe Bertolini (CSL Behring, Victoria Australia)

**1215 -
1330** ***Lunch and Poster Session***

Session 3: Innovative Technologies

Chair: *Lou Fabri*
CSL Behring (Victoria, Australia)

Time	Speaker		Title
1330 - 1400	Saw Yen Ow	3.1	<i>Host Cell Proteins Mass Spectrometry Screening in a Routine Environment: Challenges and Future Insights</i>
1400 - 1430	Christoph Hausmann	3.2	<i>Development and Validation of Recombinant Coagulation Factors</i>
1430 - 1500	Hendrick Loei	3.3	<i>Enhancing Efficiency and Economics in Biologics Process Development with the Label-free, High-throughput Biolayer Interferometry Technology</i>
1500 - 1530	<i>Afternoon Tea</i>		
1530 - 1600	Todd Nikolof	3.4	<i>Implementation of Variable Pathlength Technology for sample concentration determination in a bioprocessing manufacturing facility</i>
1600 - 1630	Judith A. Scoble	3.5	<i>RAFT-derived polymer:antibody conjugates for Biomedical Applications</i>
1630 - 1700	Robert Forrest	3.6	<i>Global manufacturing technology transfer: the R&D contribution</i>
1700 - 1720	V. Gurevich	3.7	<i>Improvement of ELISA procedures through either simultaneous addition of antigen and detection antibody or elimination of washing step</i>

Conference Dinner:

**1900 -
late** ***Republica St Kilda Beach***

Sponsored by: Bio-Rad Laboratories

Thursday 13 October 2016

Session 4: Industrial Biotechnology

Chair: **Victoria Haritos**
Monash University (Victoria, Australia)

Time	Speaker		Title
0900 - 0930	Huadong Peng	4.1	<i>Comparison of the performance of heterologously expressed plant and microalgae lipid accumulation genes on lipid content of yeast</i>
0930 - 1000	Cameron J. Hunt	4.2	<i>The role of the ferulic acid esterase in bioprocessing: applications to fuel, food, pharmaceutical and cosmetic production</i>
1000 - 1030	Birgit Unterweger	4.3	<i>New Industrial Applications for Eucalyptus Oil</i>
1030 - 1115	<i>Morning Tea</i>		

1115 - 1215: Focus Lecture 2

“Exploiting the Properties of Stem Cells for Medical Diagnostics and Therapies”

Dr Carmel O’Brien

*Principle Research Scientist
CSIRO Manufacturing*

Chair: Neil Goss (Further Options, Victoria Australia)

**1215 -
1330** ***Lunch and Poster Session***

Session 5: Biocatalysis

Chair: **Per Hanson**
Nexvet Ltd. (Victoria, Australia)

Time	Speaker		Title
1330 - 1400	Marietta John	5.1	<i>Characterization of β-peptidases for use in β-peptide synthesis</i>
1400 - 1430	Lizhong He	5.2	<i>Engineering reusable carbonic anhydrase with self-assembly peptide as an advanced biocatalyst</i>
1430 - 1500	Mishal Subhan	5.3	<i>Exploitation of <i>Aspergillus terreus</i> for Production of Lovastatin</i>

Presentation of Awards

**1500 -
1530**

Young Speakers Award
Sponsored by: [Monash University Engineering](#)

Best Poster Award
Sponsored by: [Trend Bio](#)

Closing remarks (Geoff Dumsday, BPN President)

1530 ***Conference close***