

**QMB Programme**  
**NEW TECHNOLOGIES FOR THE NEW ECONOMY**  
 30<sup>th</sup> August – 1<sup>st</sup> September, 2010  
 Rydges Hotel, Queenstown, New Zealand

| <b>Monday 30<sup>th</sup> August (evening)</b> |   |                                 |
|--|---|---------------------------------|
| <b>Time</b>                                    | <b>Details</b>  | <b>Location</b>                 |
| 5.00pm – 6.00pm                                | <b>Registration and Poster Set-up</b>   | <b>Trades Area</b>              |
| 6:00pm – 6.15pm                                | <b>Opening session</b><br>Welcome by Peter Shepherd   | <b>Queenstown Room</b>          |
| 6.15pm – 7.15pm                                | <b>The 2010 QMB Lecture: Aaron Ciechanover</b><br><i>Protein ubiquitination</i><br><i>Professor Ciechanover, from the Technion-Israel Institute of Technology, was the 2004 Nobel Laureate in Chemistry</i> | <b>Queenstown Room</b>          |
| 7.15pm onwards                                 | <b>Mixer Sponsored by Bio-Strategy</b>  | <b>Trades Area</b>              |
| 9.00pm onwards                                 | <b>illumina: Sequencing Addicts Party</b>   | <b>Chico's Bar<br/>The Mall</b> |

| <b>Tuesday 31<sup>st</sup> August (morning)</b>  |  |                            |
|--|--|----------------------------|
| <b>Time</b>  | <b>Details</b>   | <b>Location</b>            |
| <b><u>Session 1: Advances in Imaging Technology</u></b><br><b>Chaired by Alok Mitra (Auckland)</b>         |  |                            |
| 8.30 am – 8.55am   | <b>Juergen M. Plitzko (Q1)</b><br>Max-Planck-Institute of Biochemistry,<br>Martinsried<br><i>Merging the power of visualization with the<br/>power of identification – strategies and<br/>developments in cryo-electron microscopy</i>           | <b>Queenstown<br/>Room</b> |
| 8.55am – 9.20am  | <b>Peter Kner (Q2)</b><br>University of Georgia<br><i>Super-resolution Fluorescence Microscopy for<br/>Live Imaging</i>  | <b>Queenstown<br/>Room</b> |
| 9.20am – 9:40am  | <b>Christian Soeller (Q3)</b><br>University of Auckland<br><i>New optical super-resolution methods for<br/>nanometre resolution fluorescence imaging</i>   | <b>Queenstown<br/>Room</b> |
| 9.40am – 10:00am   | <b>Leann Tilley (Q4)</b><br>La Trobe University<br><i>Electron tomography and super-resolution<br/>optical imaging of malaria parasites</i>  | <b>Queenstown<br/>Room</b> |
| 10.00am – 10.30am  | <b>Morning Tea</b>   | <b>Trades Area</b>         |
| 10.30am – 11.00am  | <b>Tao Xu (Q5)</b><br>Institute of Biophysics, CAS, Beijing<br><i>Using TIRF to understand better the<br/>mechanism of insulin secretion</i>   | <b>Queenstown<br/>Room</b> |
| <b><u>Session 2: Advances in Sequencing Technology</u></b><br><b>Chaired by Richard Gardner (Auckland)</b> |  |                            |
| 11.00am – 11.40am  | <b>Richard Michelmore (Q6)</b><br>UC Davis<br><i>Next-Generation Sequencing and its Impact</i>   | <b>Queenstown<br/>Room</b> |
| 11.40am – 12.00pm  | <b>Todd E. Arnold (Q7)</b><br>454 Life Sciences<br><i>New Developments in 454 Sequencing<br/>Technology</i>  | <b>Queenstown<br/>Room</b> |
| 12.00am – 1.30pm   | <b>Lunch</b>   | <b>Trades Area</b>         |
| 12.15pm – 12.45pm  | <b>Life Technologies Lunch Time Session</b><br>Attune Acoustic Focusing Cytometer<br>Workshop - The next step in the evolution of<br>cell-by-cell analysis.<br>Speaker: Livia Vo - Technical Sales Specialist,<br>Australasia, Life Technologies | <b>Queenstown<br/>Room</b> |
| 12.00pm – 1.15pm   | <b>Biomatters</b><br>Geneious Pro Lunchtime Workshop   | <b>Clancy's</b>            |

| <b>Tuesday 31<sup>st</sup> August (afternoon)</b>   |   |                        |
|---|---|------------------------|
| <b>Time</b>   | <b>Details</b>  | <b>Location</b>        |
| <b><u>Session 3: Applications of New Generation Sequencing</u></b><br><b>Chaired by Sue Turner (Auckland)</b> |   |                        |
| 1.30pm – 2.00pm   | <b>Mark Morrison (Q8)</b><br>CSIRO Australia<br><i>Differences downunder - macropods, methane and metagenomics</i>  | <b>Queenstown Room</b> |
| 2.00pm – 2.30pm   | <b>Ian Wilson (Q9)</b><br>Scripps Research Institute<br><i>Structural Genomics of the Expanding Protein Universe</i>  | <b>Queenstown Room</b> |
| 2.30pm – 3.00pm   | <b>Thomas Preiss (Q10)</b><br>University of New South Wales<br><i>Mechanisms and patterns of post-transcriptional gene control</i>  | <b>Queenstown Room</b> |
| 3.00pm – 3.15pm   | <b>Si Lok (Q10)</b><br>University of Hong Kong<br><i>Application of next generation sequencing</i>  | <b>Queenstown Room</b> |
| 3.15pm – 3.30pm   | <b>Afternoon tea</b>  | <b>Trades Area</b>     |
| <b><u>Session 4: Science of Sustainable Energy</u></b><br><b>Chaired by Elspeth Macrae (Scion)</b>            |   |                        |
| 3.30pm – 4.00pm   | <b>Blake Simmons (Q11)</b><br>UC Berkeley/Sandia National Labs<br><i>Advancing Next Generation Biofuels</i>   | <b>Queenstown Room</b> |
| 4.00pm – 4.30pm   | <b>Elspeth Macrae (Q12)</b><br>Scion<br><i>Lignocellulosic Biomass to Biofuels and Coproducts: a New Zealand story</i>  | <b>Queenstown Room</b> |
| 4.30pm – 5.00pm   | <b>Sean Simpson (Q13)</b><br>Lanzatech<br><i>Gas fermentation: No such thing as waste</i>   | <b>Queenstown Room</b> |
| 5.00pm – 7.30pm   | <b>Dinner (Own arrangements/Free time)</b>  | <b>Queenstown Room</b> |
| 5.00pm – 5.45pm   | <b>QMB AGM</b>  | <b>Queenstown Room</b> |
| 7.00pm – 7.15pm   | <b>Hon Wayne Mapp</b><br>Minister of Research, Science and Technology   | <b>Queenstown Room</b> |
| 7.15pm – 7.45pm   | <b>Invitrogen Young Scientist Award Session</b><br>Chaired by Peter Shepherd<br><b>Justin O’Sullivan (Q17)</b><br>Massey University<br><i>Beyond the linear: sequencing genome architecture</i> | <b>Queenstown Room</b> |
| 8.00pm – 9.30pm   | <b>Poster Session and Roche Wine Evening</b>  | <b>Trades Area</b>     |
| 9.30pm onwards  | <b>Fashionomics</b>   | <b>Trades Area</b>     |

| <b>Wednesday 1<sup>st</sup> September (morning)</b>   |  |                        |
|---|--|------------------------|
| <b>Time</b>   | <b>Details</b>   | <b>Location</b>        |
| <b><u>Session 5: Gene Expression and Development</u></b><br><b>Chaired by Jo Putterill (Auckland)</b> |  |                        |
| 8.30am – 9.00am   | <b>Rob Martiensen (Q14)</b><br>Cold Spring Harbour Laboratory<br><i>Copying and reprogramming of heterochromatin with RNAi</i>   | <b>Queenstown Room</b> |
| 9.00am – 9.30 am  | <b>Shahragim Tajbakhsh (Q15)</b><br>Institut Pasteur<br><i>Identity and functional properties of skeletal muscle stem cells</i>  | <b>Queenstown Room</b> |
| 9.30am – 10.00 am   | <b>Iain Lamont (Q16)</b><br>University of Otago<br><i>Signal transduction and gene expression in a pathogenic bacterium</i>  | <b>Queenstown Room</b> |
| 10.00am - 10.30am   | <b>Morning Tea</b>   | <b>Trades Area</b>     |
| <b><u>Session 6: Young Scientists Session</u></b><br><b>Chaired by Jim Watson (Auckland)</b>          |  |                        |
| 10.30am – 11.00am   | <b>Dr Lilian Soon</b><br>University of Sydney<br><i>Using TIRF microscopy in studies of cell migration</i>   | <b>Queenstown Room</b> |
| 11.00am – 12.00pm   | <b>Speakers selected from submitted Posters</b>  | <b>Queenstown Room</b> |
| 12.00pm – 1.30pm  | <b>Lunch</b>   | <b>Trades Area</b>     |
| 12.15pm – 1.45pm  | <b>Roche Lunch Time Session</b><br>Next Generation Sequencing on your benchtop with the GS Junior System<br>Speaker: Todd E. Arnold – vice president of R&D at Roche/454 Life Sciences | <b>Queenstown Room</b> |
| 12.00pm – 1.15pm  | <b>Biomatters</b><br>Geneious Pro Lunchtime Workshop   | <b>Clancy's</b>        |
| 12.15pm – 1.45pm  | <b>BGI Lunch Time Session</b><br>Sequencing, Sequencing and Sequencing<br>Speaker: Dr. Ying Liu - BGI.   | <b>Wakatipu Room</b>   |

| <b>Wednesday 1<sup>st</sup> September (afternoon)</b>  |  |                           |
|--|--|---------------------------|
| <b>Time</b>  | <b>Details</b>   | <b>Location</b>           |
| <b><u>Session 7: Exploiting the power of biological structure</u></b><br><b>Chaired by Ted Baker (Auckland)</b>        |  |                           |
| 1.30pm – 2.00pm  | <b>Ian Wilson (Q18)</b><br>Scripps Research Institute<br><i>Broad Neutralization of Influenza Virus and Implications for a Universal Flu Vaccine</i>   | <b>Queenstown Room</b>    |
| 2.00pm – 2.30pm  | <b>Peter Metcalf (Q19)</b><br>University of Auckland<br><i>Insect virus polyhedra, infectious protein crystals that contain virus particles</i>  | <b>Queenstown Room</b>    |
| 2.30pm – 3.00pm  | <b>Vickery Arcus (Q20)</b><br>University of Waikato<br><i>Engineered OB-fold domains as versatile scaffolds for molecular recognition</i>  | <b>Queenstown Room</b>    |
| 3.00pm – 3.30pm  | <b>Afternoon tea</b>   | <b>Trades Area</b>        |
| <b><u>Session 4: Molecular Basis of Sensory Perception</u></b><br><b>Chaired by Richard Newcomb (Plant &amp; Food)</b> |  |                           |
| 3.30pm – 4.00pm  | <b>Danielle Reed (Q21)</b><br>Monell Institute<br><i>Bitter-sweet genetics of taste and aroma perception</i>   | <b>Queenstown Room</b>    |
| 4.00pm – 4.15pm  | <b>Richard Newcomb (Q22)</b><br>Plant & Food<br><i>Gastronomics research down under: variation in human ability to detect flavour compounds and its impact on food and beverage preferences</i>                          | <b>Queenstown Room</b>    |
| 4.15pm – 4.30pm  | <b>Richard Gardner (Q23)</b><br>University of Auckland<br><i>Yeast and Sauvignon blanc: of grapefruit, passionfruit and cat pee</i>  | <b>Queenstown Room</b>    |
| 4.30pm – 5.00pm  | <b>Michel Morgante (Q24)</b><br>University of Udine<br><i>Detecting sequence and structural variation in grapevine: origin, structure and function of the dispensable genome</i>   | <b>Queenstown Room</b>    |
| 5.00pm – 6.00pm  | <b>Pinot noir tasting: Matt Dicey</b><br>Winemaker and General Manager, Mt Difficulty<br><i>(Four premier Central Otago pinot noirs will be introduced by Matt and will be available for tasting by those attending)</i> | <b>Trades Area</b>        |
| 7.00pm – 10.00pm   | <b>Conference Dinner</b>   | <b>Skyline Restaurant</b> |