



# Conference Programme Day 1, Tuesday 6<sup>th</sup> May

08:30-09:00 AM THEME			
OPENING CEREMONY			
Sir Gus Nossal and Dr Bruce Kefford with Prof Richard Head (Chair of organising committee)			
DIET AND EPIGENETIC EFFECTS		SPEAKER	TITLE OF PRESENTATION
INTRODUCTION	Overview	Michael Fenech (Chair of scientific programme committee)	
PLENARY 1 09:00-10:00	Heritable or Acquired Epimutation and Impact of Diet <i>Chair Graham Mitchell</i>	EMMA WHITELAW (AUS) <a href="mailto:Emma.Whitelaw@qimr.edu.au">Emma.Whitelaw@qimr.edu.au</a>	Heritable or Acquired Epimutation and Impact of Diet
BREAK 10-10.20			
SYMPOSIUM 1 10.20-11.20	Dietary Epigenetic Effects in Development and Cancer <i>Chair Rima Rozen</i>	JOHN MATHERS (UK) <a href="mailto:john.mathers@newcastle.ac.uk">john.mathers@newcastle.ac.uk</a>	Epigenetic Determinants of Bowel Cancer Risk – Does Diet Matter?
		CAO JIA (CHINA) <a href="mailto:caojia@mail.tmmu.com.cn">caojia@mail.tmmu.com.cn</a>	MTHFR C677T, A1298C or MS A2756G Polymorphisms and Interaction Between Dietary Folate Intake, Alcohol Consumations and Smoking on Colorectal Cancer Risk: A Large Chinese Population Case-Control Study
SYMPOSIUM 2 11.20-12.20	Dietary Transgenerational Effects <i>Chair Zoe Yates</i>	CAROLINE MCMILLEN (AUS) <a href="mailto:Caroline.McMillen@unisa.edu.au">Caroline.McMillen@unisa.edu.au</a>	Nutritional Programming and an Intergenerational Cycle of Obesity
		BERNHARD BREIER (NZ) <a href="mailto:bh.breier@auckland.ac.nz">bh.breier@auckland.ac.nz</a>	Of Nutrition, Learning and Lifestyle Choices
BREAK 12.20-13.20			
PM THEME		SPEAKER	TITLE OF PRESENTATION
OBESITY AND DIABETES			
PLENARY 2 13.20-14.20	Caloric Restriction Mimetics <i>Chair Jose Ordovas</i>	DONALD INGRAM (USA) <a href="mailto:Donald.Ingram@pbrc.edu">Donald.Ingram@pbrc.edu</a>	Diet Restriction Mimetics
SYMPOSIUM 3 14.20-15.20	Weight Loss Diets & Impact Depending on Genotype <i>Chair Jim Kaput</i>	JH LEE (KOREA) <a href="mailto:jhleeb@yonsei.ac.kr">jhleeb@yonsei.ac.kr</a> ; <a href="mailto:bumbong2@hanmail.net">bumbong2@hanmail.net</a>	Genetic Variations and Weight Loss Effects
		PETER CLIFTON (AUS) <a href="mailto:peter.clifton@csiro.au">peter.clifton@csiro.au</a>	Genetic Polymorphisms and Weight Control
BREAK 15.20-40			
SYMPOSIUM 4 15.40-16.40	Diet-Gene Interaction in Obesity and Diabetes <i>Chair Jim Joseph</i>	JIM KAPUT (USA) <a href="mailto:jkaput@uic.edu">jkaput@uic.edu</a>	Nutrigenomics Research for Personalized Nutrition and Medicine
	Submitted Papers <i>Chair Jim Joseph</i>	PARK SJ et al (KOREA)	The Association of SNPs and Type 2 Diabetes and Related Phenotypes in Korean Genome and Epidemiology Study
		ROCHFORD S et al (AUS)	Chickpeas for Amelioration of Diabetes – A Systems Biology Approach
SYMPOSIUM 5 & ROUND-TABLE DISCUSSION 16.40-17.30	Consumer Acceptance of Nutrigenomics and Nutrigenetics <i>Chair David Cox</i> <a href="mailto:David.cox@csiro.au">David.cox@csiro.au</a>	DAVID CASTLE (CANADA) <a href="mailto:dcastle@uottawa.ca">dcastle@uottawa.ca</a>	Public Awareness, Understanding and Attitudes Toward Nutrigenomics
		TANIA BUBELA (CANADA) <a href="mailto:tania.bubela@ualberta.ca">tania.bubela@ualberta.ca</a>	Public Representations of Nutrigenomic Testing: Website Content and Media Coverage



## Conference Programme Day 2, Wednesday 7<sup>th</sup> May

AM THEME	DIETARY EFFECTS ON GENOME DAMAGE	SPEAKER	TITLE OF PRESENTATION
INTRODUCTION	Overview	Michael Fenech (Chair of scientific programme committee)	
PLENARY 1 9-10	Effects of Diet on Genome Damage and Cancer <i>Chair Lynnette Ferguson</i>	BRUCE N AMES, (USA)* <a href="mailto:bames@chori.org">bames@chori.org</a>	<b>Micronutrient Deficiencies are Widespread and May be a Major Preventable Cause of the Diseases of Aging</b> * by recorded video
BREAK 10-10.20			
SYMPOSIUM 1 10.20-11.20	Prevention of DNA Damage Depending on Diet and/or Genotype <i>Chair John Mathers</i>	MICHAEL FENECH (AUS) <a href="mailto:michael.fenech@csiro.au">michael.fenech@csiro.au</a>	<b>Dietary Prevention of DNA Damage and its Dependence on Genotype</b>
		STEFANO BONASSI (ITALY) <a href="mailto:stefano.bonassi@istge.it">stefano.bonassi@istge.it</a>	<b>Diet-Gene Interaction In Human Health And Disease</b>
SYMPOSIUM 2 11.20-12.20	Control of Abnormal Cell Growth and Cancer Depending on Diet and/or Genotype <i>Chair Bernhard Breier</i>	WANG XU (CHINA) <a href="mailto:wangxu@fudan.edu.cn">wangxu@fudan.edu.cn</a>	<b>The Role of Folic Acid and Riboflavin in Genomic Stability of Lymphocytes from Breast Cancer Cases and Controls</b>
		RICHARD HEAD (AUS) <a href="mailto:richard.head@csiro.au">richard.head@csiro.au</a>	<b>Integrating Biological Activity in Food with Genomics and Proteomic Characteristics</b>
BREAK 12.20-13.20			
PM THEME	CARDIOVASCULAR DISEASE	SPEAKER	TITLE OF PRESENTATION
PLENARY 2 13.20-14.20	Diet-Gene Interaction in Cardiovascular Disease <i>Chair Ben van Ommen</i>	E SHYONG TAI (SINGAPORE) <a href="mailto:eshyong@pacific.net.sg">eshyong@pacific.net.sg</a>	<b>Diet-Gene Interaction in Cardiovascular Disease</b>
SYMPOSIUM 3 14.20-15.20	Dietary Control of CVD & Impact Depending on Genotype <i>Chair J.H Lee</i>	JOSE ORDOVAS (USA) <a href="mailto:jose.ordovas@tufts.edu">jose.ordovas@tufts.edu</a>	<b>Dietary Control of CVD Depending on Genotype</b>
		GERALD RIMBACH (GERMANY) <a href="mailto:rimbach@foodsci.uni-kiel.de">rimbach@foodsci.uni-kiel.de</a>	<b>Impact of APOE Genotype on Oxidative Stress, Inflammation and Disease Risk</b>
BREAK 15.20-15.40			
SYMPOSIUM 4 15.40-16.40	Industry-Sponsored Speaker <i>Chair Harsharn Gill</i>	DAVID CAMERON-SMITH (AUS) <a href="mailto:david.cameron-smith@deakin.edu.au">david.cameron-smith@deakin.edu.au</a>	<b>Effects of Nutrition and Exercise on Gene Expression in Skeletal Muscle</b>
	Submitted Papers <i>Chair Harsharn Gill</i>	HU Y et al (AUS)	<b>Suppression of Colon Cancer by Selenium-Enriched Milk Proteins</b>
		SENANAYAKE V JUURLINK B (CANADA)	<b>Hypertension, Diet and Epigenome</b>
SYMPOSIUM 5 & ROUND-TABLE DISCUSSION 16.40-17.30	Regulation and Provision of Nutrigenomic and Nutrigenetic Services  <i>Chair David Castle</i> <a href="mailto:dcastle@uottawa.ca">dcastle@uottawa.ca</a>	NOLA RIES (CANADA) <a href="mailto:nmries@uvic.ca">nmries@uvic.ca</a>	<b>Regulatory Options for Direct-to-Consumer Genetic Tests and Impacts on Access to Nutrigenomic Services</b>
		KARINE MORIN (CANADA) <a href="mailto:kmorin@uottawa.ca">kmorin@uottawa.ca</a>	<b>Delivering Nutrigenomic Services: Identifying and Addressing Gaps in Professional Capacity in Canada</b>
		DILIP GHOSH (AUS) <a href="mailto:dilip@uow.edu.au">dilip@uow.edu.au</a>	<b>Future Perspectives of Nutrigenomics Foods: Benefits vs. Risks</b>



## Conference Programme Day 3, Thursday 8<sup>th</sup> May

AM THEME	NUTRIGENETICS		SPEAKER	TITLE OF PRESENTATION	
INTRODUCTION	Overview	Michael Fenech (Chair of scientific programme committee)			
PLENARY 1 9-10	Nutritional Requirements Depending on Genotype <i>Chair Donald Ingram</i>	BEN VAN OMMEN (NETHERLANDS) <a href="mailto:ben.vanommen@tno.nl">ben.vanommen@tno.nl</a>	<b>Nutritional Requirements Based on Genotype and Phenotype</b>		
BREAK 10-10.20					
SYMPOSIUM 1 10.20-11.20	Common Genetic Defects that Affect Bioavailability or Bioefficacy of Nutrients <i>Chair Neli Ulrich</i>	RICHARD COTTON (AUS) <a href="mailto:cotton@unimelb.edu.au">cotton@unimelb.edu.au</a>	<b>The Human Variome Project – Pilot Projects Relevant to Nutrigenomics</b>		
		RIMA ROZEN (CANADA) <a href="mailto:rima.rozen@mcgill.ca">rima.rozen@mcgill.ca</a>	<b>Common Genetic Defects That Affect Folate And Methionine Metabolism</b>		
SYMPOSIUM 2 11.20-12.20	Common Genetic Defects that Affect Metabolism of Nutrients <i>Chair Cao Jia</i>	ZOE YATES (AUS) <a href="mailto:Zoe.Yates@newcastle.edu.au">Zoe.Yates@newcastle.edu.au</a>	<b>Folate and the C677t-MTHFR Variant – Impact on Population Health</b>		
		NELI ULRICH (USA) <a href="mailto:nulrich@fhcrc.org">nulrich@fhcrc.org</a>	<b>The Two Faces of Folate and Folate Genetics in Cancer Prevention and Prognosis</b>		
BREAK 12.20-13.20					
PM THEME	INFLAMMATION		SPEAKER	TITLE OF PRESENTATION	
PLENARY 2 13.20-14.20	Diet-Gene Interaction in Inflammation <i>Chair Peter Clifton</i>	LYNNETTE FERGUSON (NZ) <a href="mailto:l.ferguson@auckland.ac.nz">l.ferguson@auckland.ac.nz</a>	<b>Genes, Diet and Chronic Inflammation</b>		
SYMPOSIUM 3 14.20-15.20	Dietary Control of Inflammation & Impact Depending on Genotype <i>Chair Keith Randolph</i>	YOUNG-JOON SURH (SOUTH KOREA) <a href="mailto:surh@plaza.snu.ac.kr">surh@plaza.snu.ac.kr</a>	<b>Dietary Modulation of Inflammation-Associated Carcinogenesis: NF–KB and Nrf2 as Potential Targets</b>		
		Submitted Papers <i>Chair Keith Randolph</i>	BARNETT M et al (NZ)	<b>Comparison of Differentially Expressed Genes and Proteins in the Interleukin 10 Gene-Deficient Mouse</b>	
		LAI CG et al (USA)	<b>PPARGC1A (PGC-1A) Variation Associated with DNA Damage, Diabetes and Cardiovascular Diseases</b>		
BREAK 15.20-15.40					
SYMPOSIUM 4 15.40-16.40	Diet-Gene Interaction in Cognitive Function <i>Chair Caroline McMillen</i>	JIM JOSEPH (USA) <a href="mailto:james.joseph@tufts.edu">james.joseph@tufts.edu</a>	<b>“Berrying” the Aged Brain</b>		
		Submitted Papers <i>Chair Caroline McMillen</i>	WANG YJ et al (AUS)	<b>Polyphenols of Grape Seeds Prevent Amyloid Deposition in the Brain of Alzheimer’s Mice</b>	
		FURNESS D et al (AUS)	<b>Folate Nutrigenomics &amp; Genome Damage in Uteroplacental Insufficiency</b>		
SYMPOSIUM 5 16.40-17.30	Dietary Recommendations Based on Genotype – Is This Just Hype? <i>Chair Richard Cotton</i>	LYNNE COBIAC (AUS) <a href="mailto:lynne.cobiac@flinders.edu.au">lynne.cobiac@flinders.edu.au</a>	<b>Dietary Recommendations Based on Genotype – Is This Just Hype?</b>		
		DEAN STOCKWELL (AUS/NZ) <a href="mailto:Dean.Stockwell@foodstandards.govt.nz">Dean.Stockwell@foodstandards.govt.nz</a>	<b>The Proposed FSANZ Health Claims Standard and Implications for the Food Industry</b>		



## Conference Programme Day 4, Friday 9<sup>th</sup> May

AM THEME	WORKSHOPS	SPEAKER	TITLE OF PRESENTATION
INTRODUCTION	Overview	Michael Fenech (Chair of scientific programme committee)	
WORKSHOP 1 9.00-9.30	Epidemiological and Bioinformatics Methods <i>Chair Michael Fenech</i>	STEFANO BONASSI (ITALY) <a href="mailto:stefano.bonassi@istge.it">stefano.bonassi@istge.it</a>	<b>Epidemiological and Bioinformatics Methods Relevant to Nutrigenomics</b>
WORKSHOP 2 9.30-10.00	DNA Methylation & Epigenetics Methods <i>Chair Michael Fenech</i>	DARRYL IRWIN (SEQUENOM) (AUS) <a href="mailto:Dlrwin@sequenom.com">Dlrwin@sequenom.com</a>	<b>Identifying Epigenetic Biomarkers Using Large-Scale Cytosin Methylation Profiling of Cancer Cell Lines</b>
BREAK 10.00-10.15			
WORKSHOP 3 10.15-10.45	In Vivo DNA Damage Methods – Micronucleus Cytome Assays <i>Chair Stefano Bonassi</i>	MICHAEL FENECH (AUS) <a href="mailto:michael.fenech@csiro.au">michael.fenech@csiro.au</a> PHILIP THOMAS (AUS) <a href="mailto:philip.thomas@csiro.au">philip.thomas@csiro.au</a>	<b>Lymphocyte and Buccal Micronucleus Cytome Assays - Sensitive DNA Damage and Cell Death Biomarkers for Nutrigenomic and Nutrigenetic Studies</b>
WORKSHOP 4 10.45-11.15	In Vitro DNA Damage Methods – Comet Assay <i>Chair Stefano Bonassi</i>	SIEGFRIED KNASMUELLER (AUSTRIA) <a href="mailto:siegfried.knasmueller@meduniwein.ac.at">siegfried.knasmueller@meduniwein.ac.at</a>	<b>The Use of the Comet Assay and Proteomic Methods in Nutrigenomics</b>
WORKSHOP 5 11.15-11.45	DNA Methylation and Transcriptomic Methods <i>Chair Stefano Bonassi</i>	PETER MOLLOY (AUS) <a href="mailto:peter.molloy@csiro.au">peter.molloy@csiro.au</a>	<b>DNA Methylation and Transcriptomic Methods in Nutrigenomics</b>
BREAK 11.45-12.45			
PM THEME	WORKSHOPS	SPEAKER	TITLE OF PRESENTATION
WORKSHOP 6 12.45-13.15	Proteomic Methods <i>Chair Peter Molloy</i>	PETER HOFFMANN (AUS) <a href="mailto:peter.hoffmann@adelaide.edu.au">peter.hoffmann@adelaide.edu.au</a>	<b>Proteomic Methods</b>
WORKSHOP 7 13.15-13.45	Metabolomic Methods <i>Chair Peter Molloy</i>	BEN VAN OMMEN (NETHERLANDS) <a href="mailto:ben.vanommen@tno.nl">ben.vanommen@tno.nl</a>	<b>Metabolomics Methods</b>
WORKSHOP 8 13.45-14.15	Genotyping Methods <i>Chair Peter Molloy</i>	LYNNETTE FERGUSON (NZ) <a href="mailto:l.ferguson@auckland.ac.nz">l.ferguson@auckland.ac.nz</a>	<b>Genotyping Methods</b>
BREAK 14.15-14.30			
WORKSHOP 9 14.30-15.00	Putting Nutrigenomics and Nutrigenetics Into Practice – Industry Perspectives <i>Chair Lynne Cobiac</i>	KEITH RANDOLPH (NUTRILITE)(USA) <a href="mailto:Keith_Randolph@accessbusinessgroup.com">Keith_Randolph@accessbusinessgroup.com</a>	<b>Development of a Commercial Nutrigenetic Anti-Inflammatory Botanical Formulation: A Proof-of-Principle</b>
		TIM EDWARDS (REACH 100) (AUS) <a href="mailto:tim.edwards@reach100.com.au">tim.edwards@reach100.com.au</a>	<b>Nutrigenomics – Sounds Good, but Does the Average Punter Care?</b>
WORKSHOP 10 15.00-15.30	Information Networks on Health Foods and Regulatory Issues <i>Chair Lynne Cobiac</i>	KEIZO UMEGAKI (JAPAN) <a href="mailto:umegaki@nih.go.jp">umegaki@nih.go.jp</a>	<b>Information Networks on Health Foods and Regulatory Issues</b>
15.30-16.00	<b>CLOSING CEREMONY</b>		