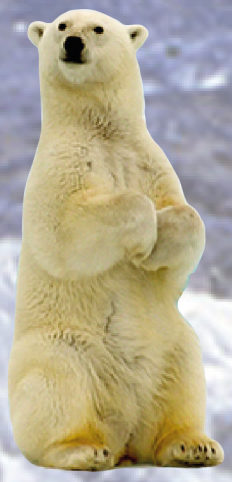
Symposium:

Melt Evolution in Space and Time

ThermoFisher SCIENTIFIC



Organized by: Oliver Nebel, Roberto Weinberg & Nick Gardiner

14-15 February 2019
Monash University, Melbourne

FREE REGISTRATION
www.eae-isotopia.org

Provisional programme

Day 1

Simon Turner	Studies of water on Earth and in the Asteroid Belt
Cin-Ty Lee	Formation of cratonic mantle, emergence of continents and how this all plays into atmospheric oxygenation
Stephen Foley	Incipient mantle melts and mantle metasomatism
Derek Wyman	A progression to plate tectonics: Evidence from the Yilgarn and Superior Cratons
Balz Kamber	Bimodal mafic-ultramafic Archaean magmas: Evidence against a high potential temperature of the early asthenosphere
Tim Johnson	Modelling melts through space and time via phase equilibria
Nick Gardiner	Getting to the bottom of Archaean crust
Steve Barnes	Komatiites and basalts, from the oldest to the youngest
Yona Nebel-Jacobsen	Molybdenum isotopes: Jolly molly and the granite connection
John Foden	The Gawler Range volcanic large igneous province: controls on silicic versus mafic LIPS
Roberto Weinberg	Crustal magma generation

– POSTER SESSION & BBQ –

Day 2

Nathan Daczko	Impacts of relative melt ascent through deep arc crust on melt evolution: recognising and investigating melt migration pathways
Jon Blundy	Chemical differentiation in transcrustal magmatic mushes
Hugh O'Neill	The crustal evolution of basaltic magmas: the roles of replenishment and crystal fractionation
Andy Tomkins	The mantle wedge component of the deep Earth sulfur cycle and its role in geochemistry
Richard Arculus	New results for magmatism accompanying subduction inception: a view from deep-sea drilling

– WRAP UP & DISCUSSION –

MONASH University

School of Earth, Atmosphere & Environment
9 Rainforest Walk
Clayton, Victoria

oliver.nebel@monash.edu
roberto.weinberg@monash.edu
nick.gardiner@monash.edu

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