

SUNDAY 25 SEPTEMBER

1600 - 1730	REGISTRATION
1800 - 2000	TASTES OF WESTERN AUSTRALIA WELCOME RECEPTION <i>Winthrop Hall, The University of Western Australia</i> Depart from and return to the Burswood Convention Centre Depart: 1730 Return: 2030

MONDAY 26 SEPTEMBER

0730	REGISTRATION
0830 - 0845	CONFERENCE OPENING CEREMONY Professor Alan Robson Vice Chancellor The University of Western Australia
0845 - 1000	PLENARY SESSION 1: Plant Growth Promotion <i>Room: Grand Ballroom 1</i> Session Chair: Jim Germida Co-chair: Sally Smith
0845 - 0915	KEYNOTE PRESENTATION 1: Alan Richardson CSIRO Plant Industry <i>Scales of microbial diversity in soil: Structure and function from the rhizosphere to the region</i> Australia
0915 - 0930	Jinlin Zhang Lanzhou University <i>Beneficial soil bacteria confer monocot plant growth promotion and salt tolerance by tissue-specific regulation of sodium transporters (HKTs and SOS1)</i> China
0930 - 0945	Jim Germida University of Saskatchewan <i>Spermosphere and rhizosphere enriched by soil-born fungi protect wheat against abiotic stresses</i> Canada
0945 - 1000	Tim Daniell James Hutton Institute <i>Selection of phosphate-solubilising plant-growth promoting microorganisms for use in Sub-Saharan Africa</i> United Kingdom
1000 - 1030	MORNING TEA <i>sponsored by Department of Agriculture and Food, WA (DAFWA)</i>
1030 - 1200	PLENARY SESSION 2: Biological Control and Plant Health Management <i>Room: Grand Ballroom 1</i> Session Chair: Jos Raaijmakers Co-chair: Christoph Keel
1030 - 1100	KEYNOTE PRESENTATION 2: Monika Höfte Ghent University <i>Role of cyclic lipopeptides and phenazines produced by Pseudomonas sp. CMR12a in root colonization, biofilm formation and biological control of soilborne plant pathogens</i> Belgium
1100 - 1115	Alexandre Crépin and Corinne Barbey LMSM- University of Rouen <i>Biological control of soft-rot pathogens communication in the rhizosphere</i> France
1115 - 1130	Christoph Keel Department of Fundamental Microbiology, University of Lausanne <i>Molecular basis and regulation of insect toxin production in a root-associated plant-beneficial pseudomonad</i> Switzerland
1130 - 1145	Beat Ruffner ETH Zürich <i>Insecticidal activity of plant-associate pseudomonads: how they became insect pathogens</i> Switzerland
1145 - 1200	Saraswoti Neupane Swedish University of Agricultural Sciences <i>Genomic and transcriptomic analysis of four Serratia isolates in relation to their biocontrol efficacy against Rhizoctonia solani</i> Sweden

1200 - 1300	LUNCH			
1300 - 1500	POSTER SESSION A: <i>Room: Grand Ballroom Foyer</i> Plant Growth Promotion; Biological Control and Plant Health Management; Biophysical and Biogeochemical Interactions; Rhizoremediation and Soil Pollution			
1500 - 1530	KEYNOTE PRESENTATION 3: Biophysical and Biogeochemical Interactions <i>Room: Grand Ballroom 1</i> Session Chair: Philippe Hinsinger Co-chair: Iain Young		KEYNOTE PRESENTATION 4: Rhizoremediation and Soil Pollution <i>Room: Astral Room 1</i> Session Chair: Yong-Guan Zhu Co-chair: Matthieu Bravin	
1500 - 1530	Glyn Bengough The James Hutton Institute Biophysical and biogeochemical processes in the rhizosphere United Kingdom		Daniel van der Lelie Research Triangle Institute International Bioaugmentation with <i>Enterobacter</i> SP.638 to improve poplar biomass yields on marginal soils USA	
1530 - 1600	AFTERNOON TEA			
1600 - 1730	PARALLEL SESSION 1: Plant Growth Promotion <i>Room: Grand Ballroom 1</i> Session Chair: Jim Germida Co-chair: Sally Smith	PARALLEL SESSION 2: Biological Control and Plant Health Management <i>Room: Astral Room 1</i> Session Chair: Jos Raaijmakers Co-chair: Christoph Keel	PARALLEL SESSION 3: Biophysical and Biogeochemical Interactions <i>Room: Astral Room 2</i> Session Chair: Philippe Hinsinger Co-chair: Iain Young	PARALLEL SESSION 4: Rhizoremediation and Soil Pollution <i>Room: Astral Room 3</i> Session Chair: Yong-Guan Zhu Co-chair: Matthieu Bravin
1600 - 1615	Judith Van De Mortel Wageningen University Rhizobacteria modulate development and pathogen resistance of <i>Arabidopsis</i> The Netherlands	Christine Vos Laboratory of Tropical Crop Improvement, University of Leuven Biological control mechanisms of arbuscular mycorrhizal fungi against root-knot nematodes Belgium	Stephan Blossfeld Forschungszentrum Jülich High-resolution digital imaging of rhizosphere parameters (CO₂ & pH) via planaroptodes Germany	Richard Bentham Flinders University Rhizoremediation of pyrene-contaminated soil using <i>Lupinus</i> species Australia
1615 - 1630	Veronica Massena Reis Embrapa Agrobiologia Ten years selecting plant growth promoting bacteria for application on maize Brazil	Xiangling Fang University of Western Australia Development and colonisation of <i>Fusarium Oxysporum</i> in roots of the resistant and susceptible cultivars of strawberry Australia	Timothy George James Hutton Institute Impact of root hairs on tolerance to combined stress by plants United Kingdom	Matthieu Bravin CIRAD From rhizosphere research to risk assessment: towards the standardisation of a plant-based biotest for assessing trace element phytoavailability in contaminated soils France
1630 - 1645	Prashant Dhakephalkar Agharkar Research Institute Plant growth promotion of wheat under abiotic stress conditions by <i>Acinetobacter calcoaceticus</i> MCMB-866 India	James Graham Citrus Research and Education Center Citrus rootstocks are protected against <i>Phytophthora</i> SPP. by hypovirulent <i>P. nicotianae</i> due to competition not induction of systemic resistance in roots USA	Nicole Rudolph University of Potsdam Non-invasive mapping of oxygen and pH dynamics in the rhizosphere Germany	Michael Kertesz University of Sydney Recruitment of specific bacterial populations by plant rhizosphere in response to pollutant stress Australia
1645 - 1700	Andrzej Tkacz John Innes Centre Selection of plant growth promoting rhizobacteria by plant model species United Kingdom	Choong-Min Ryu Korea Research Institute of Bioscience and Biotechnology Proteome analysis of <i>Arabidopsis</i> seedlings exposed to bacterial volatiles South Korea	Ellen Kandeler University of Hohenheim Biogeography of microorganisms in grassland Germany	Esther Herincs University of Natural Resources and Life Sciences, Vienna Root morphology of <i>Brassica napus</i> and bioaccumulation of rhodium after exposure to platinum group elements Austria
1700 - 1715	Shilpi Sharma Indian Institute of Technology Delhi Hidden diversity of PGPRS in weed rhizosphere: friend or foe? India	Nhu Cuong Le Wageningen University Interactions between <i>Pseudomonas</i> species and <i>Sclerotium rolfsii</i>, causal agent of stem rot disease of groundnut The Netherlands	Richard Flavel University of New England The use of Micro CT Tomography for measuring cereal root proliferation in response to phosphorus nutrition Australia	Jason Ellerton Monash University Root length of <i>Carex appressa</i> increases when grown with <i>Lomandra longifolia</i> in all stormwater biofilter Australia
1715 - 1730	Marie-Lara Bouffaud UMR5557 Ecologie Microbienne Impact of plant evolutionary history on the recruitment and functioning of phytobeneficial rhizobacterial communities France	Joerg Luster Swiss Federal Research Institute WSL Role of organic acid anions in mobilising P and metal cations during soil colonisation by alpine pioneer plants Switzerland	Greg Cawthray University of Western Australia Do differences in regulation of iron acquisition influence the geographic distribution of <i>Banksia</i> species (<i>Proteaceae</i>)? Australia	Satoshi Nagata University of Tsukuba Root-endophytic <i>Pseudomonas putida</i> could enhance the growth and Zn absorption in <i>Cicuta virosa</i> by production of Zn solubilising compound Japan

TUESDAY 27 SEPTEMBER

0730	REGISTRATION	
0830 - 100	PLENARY SESSION 3: Climate Change, C and N Cycling <i>Room: Grand Ballroom 1</i> Session Chair: Elizabeth Baggs Co-chair: Elizabeth Stockdale	
0830 - 0900	KEYNOTE PRESENTATION 5: Yakov Kuzyakov University of Göttingen <i>Rhizosphere links the above and belowground processes</i> Germany	
0900 - 0915	Ilya Yevdokimov Russian Academy of Science <i>Turnover of plant – and SOM-derived carbon by rhizosphere microorganisms</i> Russia	
0915 - 0930	Scott Graham University of Canterbury <i>Roots affect the temperature response of heterotrophic soil respiration in tussock grass microcosms</i> New Zealand	
0930 - 0945	Daniel Dempster University of Western Australia <i>Sporadic effects of biochar on organic nitrogen decomposition</i> Australia	
0945 - 1000	Davey Jones Bangor University <i>Nitrogen competition in the rhizosphere</i> United Kingdom	
1000 - 1030	MORNING TEA <i>sponsored by Commonwealth Scientific and Industrial Research Organisation (CSIRO)</i>	
1030 - 1200	PLENARY SESSION 4: Mycorrhizal and Nitrogen-Fixing Symbioses <i>Room: Grand Ballroom 1</i> Session Chair: Ivan Kennedy Co-chair: Claude Plassard	
1030 - 1100	KEYNOTE PRESENTATION 6: Ann Hirsch UCLA <i>The amazing underground world of plant roots and their microbiome - a symbiosis on a grand scale</i> USA	
1100 - 1115	Nina Koele Landcare Research <i>No significant effect of ectomycorrhizal fungi on forest nutrition in 18,000 years of soil development</i> New Zealand	
1115 - 1130	Zhipeng Hao Research Center for Eco-environmental Sciences, Chinese Academy of Sciences <i>Integrated bioprotection strategy of mycorrhizal fungi: from induced plant resistance to modification of rhizosphere microbial populations</i> China	
1130 - 1145	Tatsu Ezawa Hokkaido University <i>A novel virus found in arbuscular mycorrhizal fungus affects plant and fungal fitness under highly acidic conditions</i> Japan	
1145 - 1200	Patrick Audet Centre for Mined Land Rehabilitation, The University of Queensland <i>Assessing the impact of the am-mycorrhizosphere on plant metal uptake and soil metal bioavailability</i> Australia	
1200 - 1300	LUNCH <i>sponsored by Commonwealth Scientific and Industrial Research Organisation (CSIRO)</i>	
1300 - 1500	POSTER SESSION B: <i>Room: Grand Ballroom Foyer</i> Climate Change, C and N Cycling; Mycorrhizal and Nitrogen-Fixing Symbioses; Cutting Edge Approaches/Methodologies; Water Relations; Restoration and Conservation Ecology	
1500 - 1530	KEYNOTE PRESENTATION 7: Cutting Edge Approaches/Methodologies <i>Room: Grand Ballroom 1</i> Session Chair: Davey Jones Co-chair: Rainer Schulin	KEYNOTE PRESENTATION 8: Water Relations <i>Room: Astral Room 1</i> Session Chair: Hans Lambers Co-chair: Doris Vetterlein
	Philippe Schmitt-Kopplin German Research Centre for Environmental Health <i>Metabolics approaches in the Rhizosphere; a ultrahigh resolution perspective</i> Germany	Steve Tyerman University of Adelaide <i>Root Hydraulic Conductivity and Aquaporins are regulated by Shoot Signals</i> Australia

AFTERNOON TEA				
sponsored by Commonwealth Scientific and Industrial Research Organisation (CSIRO)				
1530 - 1600	PARALLEL SESSION 5: Climate Change, C and N Cycling Room: Grand Ballroom 1 Session Chair: Elizabeth Baggs Co-chair: Elizabeth Stockdale	PARALLEL SESSION 6: Mycorrhizal and Nitrogen-Fixing Symbioses Room: Astral Room 1 Session Chair: Ivan Kennedy Co-chair: Claude Plassard	PARALLEL SESSION 7: Cutting Edge Approaches/Methodologies Room: Astral Room 2 Session Chair: Davey Jones Co-chair: Rainer Schulin	PARALLEL SESSION 8: Water Relations Room: Astral Room 3 Session Chair: Hans Lambers Co-chair: Doris Vetterlein
1600 - 1615	Liz Baggs University of Aberdeen <i>How strong is the coupling between plant-C flow and rhizosphere denitrification</i> United Kingdom	Christopher P. Chanway University of British Columbia <i>Lodgepole pine seedlings derive a biologically significant amount of nitrogen from a bacterial endophyte under nitrogen limited conditions</i> Canada	Sacha Mooney University of Nottingham <i>Quantifying root system architecture (RSA) response to soil compaction using X-Ray micro computed tomography (CT)</i> United Kingdom	Andrea Carminati Helmholtz-Centre for Environmental Research <i>Root water uptake and mucilage dynamics</i> Germany
1615 - 1630	Kari Dunfield University of Guelph <i>Changes in the abundance of nitrifying and denitrifying genes associated with a spring thaw nitrous oxide flux in an agroecosystem</i> Canada	Xinhua He Edith Cowan University <i>Adjacent arbuscular mycorrhizal grasses enhance while 14N-addition to receiver ectomycorrhizal pines reduces 15N movement between paired pine saplings in a California pine forest</i> Australia	Daniel Murphy University of Western Australia <i>Nano-scale isotopic image analysis of soil-microbial-root interactions</i> Australia	Anais Guaus French National Institute for Agronomic Research (INRA) <i>Critical analysis of two approaches for modelling water transfers in the soil-vegetation-atmosphere continuum: application to vineyard</i> France
1630 - 1645	Anke Herrmann Swedish University of Agricultural Sciences <i>Thermodynamic principles in rhizosphere soil in a changing world</i> Sweden	Francois Teste University of Western Australia <i>Ectomycorrhizal responses to intensive forest management: consequences of fertilization and thinning on belowground diversity and functioning</i> Australia	Takuro Shinano National Agriculture Research Center for Hokkaido Region <i>Metagenomic approach reveals the rhizosphere function on phytate utilization</i> Japan	Craig Sturrock University of Nottingham <i>3D visualisation of the water release characteristic: impact for the rhizosphere</i> United Kingdom
1645 - 1700	Kelly Hamonts Bio-Protection Research Centre <i>Effect of nitrogen and waterlogging on denitrification in the rhizosphere of wheat</i> New Zealand	Yusuke Kikuchi Hokkaido University, Graduate School of Agriculture <i>Plant transpiration as a driving force for phosphate translocation within the fungal partner of arbuscular mycorrhiza</i> Japan	Honghua He School of Plant Biology University of Western Australia <i>Phosphorus uptake from iron phosphate in four Acacia species</i> Australia	Sonja Schmidt University of Abertay, Dundee <i>Root-soil contact and root elongation in drying soil investigated with X-ray micro-tomography</i> Scotland
1700 - 1715	Jian Jin La Trobe University <i>Phosphorus by eCO2 interactions in N₂-fixing grain legumes in a P-deficient soil</i> Australia	Erin Nuccio University of California, Berkeley <i>The impact of arbuscular mycorrhizal fungi on microbial communities in decomposing root litter</i> USA	Hannes Schmidt Institute of Soil Science University of Bremen <i>Application of the molecular in situ technique FISH in the rhizosphere of paddy soils</i> Germany	Doris Vetterlein Helmholtz-Centre for Environmental Research <i>Roots don't mind the gap – root shrinkage has no effect on transpiration</i> Germany
1715 - 1730	Judith Pump Max Planck Institute for Terrestrial Microbiology <i>Investigating the impact of rhizodeposition and archaeal community structure on methane emission in wetland environments using 13C pulse labeling</i> Germany	Eliane Gomes Embrapa <i>Impact of acid and corrected soil on the arbuscular mycorrhizal fungi communities of roots and maize genotypes contrasting for phosphorus efficiency</i> Brazil	George Lazarovits A&L Biologicals <i>Unravelling the rhizosphere using the CPN60 genomic marker and pyrosequencing</i> Canada	Nicolai Koebernick Helmholtz Centre For Environmental Research <i>In-situ observation of root-growth by X-ray tomography: relationship between root and water distribution during a drying cycle</i> Germany

WEDNESDAY 28 SEPTEMBER

0730	REGISTRATION
0830 - 1000	PLENARY SESSION 5: Restoration and Conservation Ecology <i>Room: Grand Ballroom 1</i> <i>Session Chair: Ellen Kandeler</i> <i>Co-chair: Rachel Standish</i>
0830 - 0900	KEYNOTE PRESENTATION 9 Annals of Botany Sponsored Lecture Ray Callaway University of Montana <i>Soil biota and exotic plant invasion</i> USA
0900 - 0915	Sarah Alateiqi University of Glasgow <i>Potential native plant phytoremediators for restoration of petroleum hydrocarbon polluted soils of Kuwait</i> United Kingdom
0915 - 0930	Longbin Huang University of Queensland <i>Is rhizosphere remediation sufficient for sustainable revegetation of mine tailings?</i> Australia
0930 - 0945	Linda Maccarone University of Western Australia <i>Quantification of microbial communities involved in N cycling in bauxite residue sand under rehabilitation</i> Australia
0945 - 1000	Mark Tibbett Cranfield University <i>Rapid colonisation of soils and mining wastes by roots and mycorrhizas in landforms restored after mining</i> Australia
1000 - 1030	MORNING TEA sponsored by Department of Food and Agriculture, WA (DAFWA)
1030 - 1200	PLENARY SESSION 6: Fate and Management of Nutrients <i>Room: Grand Ballroom 1</i> <i>Session Chair: Matthias Wissuwa</i> <i>Co-chair: Stuart Pearse</i>
1030 - 1100	KEYNOTE PRESENTATION 10: Jian Feng Ma , Okayama University <i>Transporters involved in uptake and detoxification of minerals in plants</i> Japan
1100 - 1115	Eva Oburger BOKU <i>Phosphate solubilisation mechanisms by different organic acid anions in soil and the effect of concurrent acidification and soil P content</i> Austria
1115 - 1130	Philippe Hinsinger French National Institute for Agronomic Research (INRA) <i>Wealth and poverty in the Rhizosphere sharing a scarce resource: soil P</i> France
1130 - 1145	Rebecca Haling University of New England <i>Measuring roots in field soils using a DNA-based method</i> Australia
1145 - 1200	Melissa Arcand University of Saskatchewan <i>Nitrogen rhizodeposition and abundance of N cycling genes in the rhizospheres of pea and canola in the Canadian prairies</i> Canada
1200 - 1300	LUNCH
1300 - 2130	SCIENTIFIC FIELD TRIPS All Field Trips depart from and return to the Burswood Convention Centre
	Spring in the Swan Valley Depart: 1300 Return: 2130 Caversham Wildlife Park, Swan Valley, Guildford tourist regions
	CSIRO and UWA Experiments Depart: 1300 Return: 1700 CSIRO laboratories and adjacent University of Western Australia Shenton Park field station
	Kings Park Facilities Depart: 1330 Return: 1600 Tour of Kings Park research facilities; and a tour of Mt. Eliza Escarpment Restoration Programme
	UWA Stable Isotope and Microanalysis Facilities Depart: 1330 Return: 1700 Tour of University of Western Australia's laboratories

THURSDAY 29 SEPTEMBER

0730	REGISTRATION
0830 - 1000	PLENARY SESSION 7: Functional and Structural Diversity <i>Room: Grand Ballroom 1</i> Session Chair: Alan Richardson Co-chair: Alain Brauman
0830 - 0930	KEYNOTE PRESENTATION 11: Laurent Philippot French National Institute for Agronomic Research (INRA) <i>Microbial community ecology and biochemical cycling in the rhizosphere</i> France
0900 - 0915	Benoit Cloutier-Hurteau CIRAD, UMR Eco & Sols <i>Bacterial biogeography in the rhizosphere – a key role of pH around roots and ectomycorrhizas</i> France
0915 - 0930	Petr Baldrian Institute of Microbiology of the ASCR <i>Bacteria and fungi in the rhizosphere respond differently to soil properties and vegetation traits</i> Czech Republic
0930 - 0945	Daniel Muller Ecology Microbienne, Université De Lyon <i>Plant evolution and diversification a factor influencing selection of soil bacteria by roots</i> France
0945 - 1000	Anouk Zancarini French National Institute for Agronomic Research (INRA) <i>Combining ecophysiological and microbial ecological approaches to assess interaction between genotypes of <i>Medicago truncatula</i> and the soil bacterial communities</i> France
1000 - 1030	MORNING TEA
1030 - 1200	PLENARY SESSION 8: Root Growth and Plant Functional Diversity <i>Room: Grand Ballroom 1</i> Session Chair: Ellis Hoffland Co-chair: Richard Simpson
1030 - 1100	KEYNOTE PRESENTATION 12: Liesje Mommer Wageningen University <i>Roots at work: Interspecific root interactions determining community processes</i> The Netherlands
1100 - 1115	Etienne Laliberté The University of Western Australia <i>Plant species coexistence in young vs. ancient soils: same old story?</i> Australia
1115 - 1130	Long Li China Agricultural University <i>High species diversity decreases aluminium toxicity: a potential mechanism for the positive diversity-productivity relationship</i> China
1130 - 1145	Dylan Fischer The Evergreen State College <i>Neighbor effects on fine root production predicted using above ground GIS data</i> USA
1145 - 1200	Hinanit Koltai ARO, Volanci Center <i>Strigolactones are regulators of root development and root hair elongation in response to nutritional growth conditions</i> Israel
1200 - 1300	LUNCH
1300 - 1500	POSTER SESSION C: <i>Room: Grand Ballroom 1</i> Fate and Management of Nutrients; Functional and Structural Diversity; Root Growth and Plant Functional Diversity; Rhizo-Technologies - Applications of Rhizosphere Research; Societal Issues - Human and Ecosystem Health; Molecular Communication and Adaptation; Modelling and Up-scaling; Multitrophic Interactions

1500 - 1530	KEYNOTE PRESENTATION 13: GRDC Sponsored Lecture Rhizo-Technologies - Applications of Rhizosphere Research <i>Room: Grand Ballroom 1</i> Session Chair: Roger Finlay Co-chair: Jim Germida		KEYNOTE PRESENTATION 14: Societal Issues - Human and Ecosystem Health <i>Room: Astral Room 1</i> Session Chair: Ian Fillery Co-chair: Kingsley Dixon	
	Fusuo Zhang China Agricultural University <i>Rhizosphere management in intensive crop production systems</i> China		Gabriele Berg Graz University of Technology <i>Stenotrophomonas: an ambivalent global player from the rhizosphere</i> Austria	
1530 - 1600	AFTERNOON TEA			
1600 - 1730	PARALLEL SESSION 9: Fate and Management of Nutrients <i>Room: Grand Ballroom 1</i> Session Chair: Matthias Wissuwa Co-chair: Stuart Pearse	PARALLEL SESSION 10: Functional and Structural Diversity <i>Room: Astral Room 1</i> Session Chair: Alan Richardson Co-chair: Alain Brauman	PARALLEL SESSION 11: Root Growth and Plant Functional Diversity <i>Room: Astral Room 2</i> Session Chair: Ellis Hoffland Co-chair: Richard Simpson	PARALLEL SESSION 12: Rhizo-Technologies - Applications of Rhizosphere Research <i>Room: Astral Room 3</i> Session Chair: Roger Finlay Co-chair: James Germida
	Jun Wasaki Graduate School of Biosphere Science, Hiroshima University <i>Characterization of phosphate utilization in Arabidopsis thaliana natural accessions grown on soil</i> Japan	Christin Zachow ACIB GmbH <i>Relationship of fungal communities to their host plants</i> Austria	Andrew Smith University of Adelaide <i>Which are best: root-hairs, mycorrhizas, or cluster-roots?</i> Australia	Marjolein Helder Wageningen University- Sub-Department of Environmental Technology <i>Resilience of the plant-microbial fuel cell: electricity production with living plants and microorganisms during Dutch winter</i> The Netherlands
1615 - 1630	Fusuo Zhang China Agricultural University Rhizosphere management in intensive crop production systems China	Satwant Gosal Punjab Agricultural University Molecular characterization of diazotrophic diversity and soil physicochemical interfacial interactions in the rhizosphere of wheat cropping system India	Erik Veneklaas University of Western Australia Patchy activity of a root mat in a phosphorus-limited woodland Australia	Wenxiong Lin School of Life Sciences Metaproteomic analysis of biological properties in Ratoon sugarcane rhizosphere soil China
1630 - 1645	Rezaul Karim China Agricultural University Fine root and zinc distribution in young leaf contribute to zinc efficiency in maize (Zea mize L.) China	Vadakattu Gupta CSIRO Diversity and activity of free-living N fixing bacteria in South Australian soils Australia	Eric Visser Dept. of Experimental Plant Ecology, Radboud University Nijmegen Rhizosphere nutrients affecting local root proliferation in Arabidopsis The Netherlands	Christina Schreiber Research Centre Jülich Monitoring rhizosphere reactions of flooding-stressed plants from Three Gorges Reservoir area, P.R. China Germany
1645 - 1700	Hasnuri Mat Hassan University of Adelaide Changes in the phosphorus pools in the rhizosphere of 3 grain legumes and wheat; their effects on the P uptake and P pools in the rhizosphere of the following wheat Australia	Haiyong Xia China Agricultural University Dynamic of root distribution and nutrient acquisition in canola-, faba bean-, chickpea-, soybean-maize intercropping China	Stuart Pearse The School of Plant Biology, University of Western Australia Root uptake of phosphite: implications for physiology and metabolism of Australian native plants Australia	Linkun Wu School of Life Sciences Comparative metaproteomic analysis on consecutively Rehmannia glutinosa-monocultured rhizosphere soil China
1700 - 1715	Miranda Prendergast-Miller UK Biochar Research Centre, University of Edinburgh Effects of manipulated biochar on soil nutrient availability and plant growth Scotland	Alain Brauman IRD, Montpellier To what extent does the rhizosphere of cereal/legume intercropping represents a specific microbial environment? France	Marloes Hendriks Dept. of Experimental Plant Ecology, Radboud University Nijmegen Species-specific soil biota cause over yielding in diverse plant communities The Netherlands	Zhixing Zhang Fujian Agriculture and Forestry University Metaproteome analysis of rice rhizosphere soil in response to nitrogen treatment China
1715 - 1730	Matthias Wissuwa JIRCAS MHPP – a compound found in Sorghum root exudates reduces nitrification potential and affects soil microbial populations Japan	Gary Bending University of Warwick Shifts in rhizosphere diversity associated with the onset of yield decline in oilseed rape United Kingdom	Wagatsuma Tadao Yamagata University Plasma membrane sterols and the related gene in root-tip portion as key components for aluminium tolerance of varieties of plants species, cultivars, lines and mutants Japan	Amar Pandey University of Queensland Quantification and visualisation GFP-tagged Pantoea species, a component of a disease-suppressive consortium on wheat roots Australia
1900 - 2330	CONFERENCE GALA DINNER <i>Room: Astral Ballroom, Burswood Convention Centre</i>			

FRIDAY 30 SEPTEMBER

0830		REGISTRATION
0830 - 1030	<p align="center">PARALLEL SESSION 13: Molecular Communication and Adaptation <i>Room: Grand Ballroom 1</i> Session Chair: Anton Hartmann Co-chair: Ulrike Mathesius</p>	<p align="center">PARALLEL SESSION 14: Modelling and Up-scaling <i>Room: Astral Room 1</i> Session Chair: Art Diggle Co-chair: Mathieu Javaux</p>
0830 - 0900	<p align="center">KEYNOTE PRESENTATION 15: Leo Eberl University of Zürich Small-talk in the rhizosphere: quorum sensing in root associated bacteria Switzerland</p>	<p align="center">KEYNOTE PRESENTATION 16: Alexia Stokes French National Institute for Agronomic Research (INRA) Modelling the processes that drive plant growth France</p>
0900 - 0915	<p align="center">Stijn Bossuyt Centre of Microbial and Plant Genetics, K.U. Leuven Role of auxin signalling in the Arabidopsis-Azospirillum interaction Belgium</p>	<p align="center">David Strik Wageningen University Modelling microbial competition in plant microbial fuel cells The Netherlands</p>
0915 - 0930	<p align="center">Yael Helman The Robert H Smith Faculty of Agriculture, The Hebrew University Volatile-mediated interactions between Xanthomonas campestris pv. campestris and soil-dwelling Paenibacillus Israel</p>	<p align="center">Mathieu Javaux Agrosphere 3-D root water uptake modelling at the field scale Germany</p>
0930 - 0945	<p align="center">Anton Hartmann Helmholtz Zentrum Munich Bacterial quorum sensing molecules of the N-acyl homoserine lactone type in the rhizosphere are perceived in different ways by plants Germany</p>	<p align="center">Lalith Suriyagoda University of Peradeniya Plant phosphorus uptake modelling considering rhizosphere processes Sri Lanka</p>
0945 - 1000	<p align="center">Lei Shi Huazhong Agricultural University Identification of QTL-associated with seed yield and root architectural traits under low and optimal phosphorus availability in Brassica napus China</p>	<p align="center">Mahaveer Sharma Directorate of Soybean Research Innocolation of native soybean rhizobia and arbuscular mycorrhizal fungi improved nodulation, growth, physiological status and soil quality parameters of soybean India</p>
1000 - 1015	<p align="center">Ulrike Mathesius Australian National University New Roles for flavonoids in rhizobium-legume and rhizosphere signalling Australia</p>	<p align="center">Marek Duputel French National Institute for Agronomic Research (INRA) Effect of citrate on phosphorus availability in soils with contrasted mineralogy- a modelling approach France</p>
1015 - 1030		<p align="center">Burkhard Hense Helmholtz Zentrum München Nutrient influenced autoinducer signals carry hybrid push/pull information and can promote spatial heterogeneity within colonies Germany</p>
1030 - 1100	MORNING TEA	
1100 - 1230	<p>PLENARY SESSION 9: Multitrophic Interactions <i>Room: Grand Ballroom 1</i> Session Chair: Monika Maurhofer Co-chair: Peer Schenk</p>	
1100 - 1130	<p>KEYNOTE PRESENTATION 17: Plant and Soil Sponsored Lecture Ted Turlings University of Neuchâtel Plant-mediated tritrophic interactions in the rhizosphere Switzerland</p>	
1130 - 1145	<p>Ivan Hiltbold University of Neuchâtel Capsules containing entomopathogenic nematodes as a Trojan horse approach to the control of the Western corn root worm Diabrotica virgifera virgifera Switzerland</p>	
1145 - 1200	<p>Peer Schenk University of Queensland Rhizosphere metatranscriptomics Australia</p>	
1200 - 1215	<p>Roger Finlay Swedish University of Agricultural Sciences Effects of nitrogen on microbially mediated weathering of primary minerals in boreal forest ecosystems Sweden</p>	
1215 - 1230	<p>Monika Maurhofer Swiss Federal Institute of Technology Zürich Impact of transgenic wheat on abundance and diversity of plant- beneficial pseudomonads investigated by Phid-T-Rflp and PQQD-Dgge analysis Switzerland</p>	
1230 - 1330	Conference Closing Ceremony	
1330 - 1700	<p>SATELLITE WORKSHOP University of Western Australia Depart from and return to the Burswood Convention Centre Depart: 1330 Return: 1730</p>	

**Program correct at time of printing and subject to change