

IPSAM 2014 Programme

MONDAY 28th April 2014	
10.00-11.30	Registration of delegates & erection of posters (Central Atrium, Western Gateway Building)
	Tea & Coffee
11.00	<i>Opening and Welcome (Prof John O'Halloran)</i>
Session 1:	<i>Chair: Pdraig Whelan</i>
11.10	Biodiversity and climate change - establishing a modelling framework to quantify the impacts and develop effective conservation strategies. David Bourke, TCD
11.30	Local carbon cycle and grassland invasion: the importance of belowground litter quality, Vasiliki Balogianni, University of Regina, Canada
11.50	Utilising natural genetic variation to develop novel biomass grasses for marginal lands, Trevor Hodkinson, TCD
12.10	The effect of short low temperature events on upland and lowland switchgrass (<i>Panicum virgatum</i> L.) cultivars used for biomass production: impact on carbon assimilation, photochemistry and biomass production. Angel Cordero, UCD
12.30	Restoring species richness and forage value to hay meadows on Middle-Shannon Callows SAC. James Owens, NUIG.
12.50	<i>Lunch</i>
Session 2:	
14.20	Interaction of genetic origin and water availability on growth and physiology of young Sitka Spruce [<i>Picea sitchensis</i> (Bong.) Carr]. Olga Grant, UCD
14.40	Tree-Based Inter-cropping. An innovative land use system. Rory Lunny, QUB
15.00	Physiological characteristics of <i>Fagus sylvatica</i> and <i>Quercus robur</i> in response to extreme light environments. Ignacio Sevillano, Teagasc/UCD
15.20	High energy weather events – long term responses on forest canopies and epiphytes. Sven Batke, TCD
15.40	Tea & Coffee
Session 3:	<i>Chair: Peter Jones</i>
16.00	Seaweed extract-induced resistance in <i>Brassica napus</i> against necrotrophic fungal pathogens. Benjamin Philip, UCC
16.20	Isolation and characterisation of bacteriophages for elimination of the potato pathogen <i>Pectobacterium</i> . Colin Buttimer, CIT
16.40	'Uzu' mutation of the brassinosteroid receptor <i>HvBRI1</i> gene enhances barley biotic resistance to broad spectrum of diseases. Lokanadha Rao Gunupuru, UCD
17.00	Phosphite mediated inhibition of <i>Microdochium nivale</i> in Turfgrass. John Dempsey, University of the West of England
17.20	The hunt for wheat and barley disease resistance genes, Fiona Doohan, UCD

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17.50	Keynote Address: From Plant Disease to Magic Mushrooms. Gary Foster, University of Bristol
18.50	Buffet Dinner and Drinks (Western Gateway Building)
	Tea & Coffee with Poster Session
TUESDAY 29th April 2014	
Session 4:	Chair: Barbara Doyle Prestwich
09.20	Regulation of somatic embryogenesis in recalcitrant tissues via extracellular signalling molecules. David Hunt, UCD
09.40	The wheat ABC transporter TaABCC3.I contributes to wheat resistance to the fungal toxin deoxynivalenol. Amal Kahla, UCD
10.00	Calcium signalling regulates programmed cell death in <i>Arabidopsis thaliana</i> . Niall Brogan, UCD.
10.20	Seasonal fluctuations in <i>Arabidopsis thaliana</i> 's response to UV-B radiation. Aoife Coffey, UCC.
10.40	The Why and What of the GM potato 'AMIGA' study. Ewen Mullins, Teagasc
11.00	Tea & Coffee
Session 5:	
11.20	VALORAM: A case study for the selection of putative biocontrol agents which can be used as part of an integrated pest management system. Siva Velivelli, UCC
11.40	Endomycorrhiza-ectomycorrhiza inoculum application to a zero-discharge willow wastewater treatment system. Fergus McAuliffe, UCC
12.00	Investigating the effect of nanoparticles on soil microbial communities and soil functioning. Conor McGee, UCD
12.20	Investigations into the use of spent mushroom compost (SMC) and vermicomposted SMC as components of horticultural growing media: Effects on plant growth, development, and fruit yields of tomato (<i>Solanum lycopersicum</i> cv. Grande). Tara Duggan, UCC
12.40	Targeted uses of seaweed extracts with specific characteristics: effects on economic yield, product quality, stress response. Peter Jones, UCC
13.00	Lunch
Session 6:	Chair: Eoin Lettice
14.20	The biocontrol and biofertilisation potential of fungal root endophytes. Brian Murphy, TCD
14.40	Drivers of heterotrophic respiration in afforested organo-mineral soils. Richard Lane, UL
15.00	The Detection of <i>Hedera helix</i> Saponin; Hederacoside C in Ivy Honey from Ireland, by LCMS. Conan McDonnell, LIT
15.20	Phytase activity in Lichens. Niall Higgins, University of Nottingham
15.40	Final Remarks (Prof. Peter Jones)