

IPSAM Programme 2024

Monday 17th June 2024	
09.00 to 10.00	<p>Registration & putting up of Posters (Boole 5 & 6) (Tea & Coffee available)</p> <p>Boole Basement – UCC Main Campus</p>
10.00 to 10.05	Opening & Welcome to IPSAM 2024 – Dr Barbara Doyle Prestwich, Head of Plant Science & IPSAM Conference Chair
10.05 to 10.10	Professor Astrid Wingler – Head of School of BEES
10.10 to 10.15	Introduction from Mas Arte Mas Acción
<p>Session I: Plant Stress I – Boole 1</p> <p>Chair: Prof Astrid Wingler</p>	
10.15 to 10.45	<p>Keynote:</p> <p><i>Plant health diagnostics and science in Ireland</i></p> <p>Dr Richard O Hanlon, DAFM</p>
10.50 to 11.05	<p><i>The Dark Side of Salt Stress: Shining a Light on Organ Specific Stress Responses During Skotomorphogenesis</i></p> <p>Ms Elizabeth van Veen, Wageningen University & Research</p>
11.05 to 11.20	<p><i>Improved Strawberry Resistance and shelf-life through Genome Editing</i></p> <p>Dr Raghu Ram Badmi, University College Cork</p>
11.20 to 11.35	<p><i>Comparison of droplet digital PCR and quantitative PCR assays for the detection of Fusarium head blight pathogens in oats.</i></p> <p>Dr Subramani Natarajan, University College Dublin</p>

11.35 to 11.50	<p><i>Identifying novel sources of Septoria tritici blotch resistance and susceptibility in wheat using transcriptomic techniques</i></p> <p>Mr Conor Copeland, University College Dublin</p>
11.50 to 12.05	<p>Flash Presentations (5 minutes per presenter)</p> <p><i>Seaweed cell wall-derived carbohydrates as a bio elicitor in barley against Ramularia Leaf Spot (caused by the fungi Ramularia collo-cygni); Ms Wendy Delpont, University of Galway</i></p> <p><i>The activity of an Ascophyllum nodosum extract enhances thermotolerance in chili peppers; Dr Juan Francisco Sánchez-López, Brandon Bioscience</i></p> <p><i>The Zymoseptoria tritici effector Zt-11 contributes to aggressiveness in wheat; Dr Sujit Jung Karki, University College Dublin</i></p>
12.05 to 2pm	<p>Group Photo (Steps near Boole Library – follow the instructions from organisers) and Lunch. (Poster Viewing or Mas Arte Mas Acción)</p>
<p>Session II: Plant Stress II – Boole 1</p> <p>Chair: Dr Israel Ikoyi</p>	
14.00 to 14.15	<p><i>Advancements in Ash Breeding for Sustainable Forestry: Insights from the Teagasc Research</i></p> <p>Dr Dheeraj Singh Rathore, Teagasc</p>
14.15 to 14.30	<p><i>Barley's Hidden Protectors: Unravelling the functional attributes and biocontrol potential of fungal endophytes combatting Ramularia collo-cygni (RCC)</i></p> <p>Dr Seema, University College Dublin</p>

14.30 to 14.45	<p><i>White acacia (Faidherbia albida) water-use in an agroforestry parkland in Senegal</i></p> <p>Dr John Devaney, Maynooth University</p>
14.45 to 15.05	<p>Flash Presentations (5 mins per presenter)</p> <p><i>Adapting our forests for climate change - why genetic diversity matters</i>; Dr Laura Guillardin, Teagasc</p> <p><i>Microbial Diversity in Vascular Plant-Dominated Tropical Peatlands – abiotic and biotic environmental drivers of diversity</i>; Ms Leanne O'Donoghue, University College Cork</p> <p><i>Towards enhancing resilience in black alder by identifying potential bio-agents from the core microbiome against Phytophthora alni; the causal agent for alder dieback</i>; Ms Emma Fuller, South East Technological University</p> <p><i>AVENA: Understanding cold adaptability traits in oats (Avena sativa L.), a future food / feed crop for East Africa / Ethiopia</i>; Dr Elena Grosu, Teagasc</p>
15.05 to 15.45	Tea & Coffee (Poster Viewing or Mas Arte Mas Acción)
Session III: Evolution & Development – Boole 1	
Chair: Dr James Richardson	
15.45 to 16.00	<p><i>Are we on the cusp of the first mass extinction of plants in Earth history – Leaf traits hold the answer</i></p> <p>Mr Harrison O'Rourke, University of Galway</p>
16.00 to 16.15	<p><i>Large scale genotyping of North American spruces for the understanding of evolutionary patterns and climate resilience</i></p> <p>Dr Tomas Byrne, Teagasc</p>

16.15 to 16.30	<p><i>Evolutionary Emergence and Conservation of PWWP DOMAIN INTERACTOR OF PLOMCOMBS (PWO) in Land Plants</i></p> <p>Mr Saqlain Haider, University of Galway</p>
16.30 to 16.45	<p><i>Evaluating how Perennial Ryegrass responds to a warming climate</i></p> <p>Mr Gary Strain, Queen's University Belfast</p>
16.45 to 17.00	<p><i>Enhancing productivity and resilience through understanding genetic diversity in hemp</i></p> <p>Ms Nina Trubanova, University College Dublin</p>
17.00 to 17.05	<p>Flash Presentation</p> <p><i>Phenotypic and Genetic Engineering of Hemp (Cannabis sativa L.)</i></p> <p>Ms Grace Lynch, University College Cork</p>
17.10 to 18.00	<p>General Assembly of IPSAM (All welcome) ; Boole 1</p>
18.00 - 8 pm	<p>Evening Reception (Networking and/or Mas Arte Mas Acción)</p> <p>Aula Maxima UCC</p>
	<p>Tuesday 18th June 2024</p>
<p>Session IV: Plant Diversity – Boole 1</p> <p>Chair: Mr Joe Croke</p>	
09.00 to 09.15	<p><i>Changes in plant diversity and composition of semi-natural grasslands between the 2007/2012 Irish Semi-natural Grassland Survey and today</i></p>

	Mr Oliver Lynch Milner, University of Galway
09.15 to 09.30	<i>Seeds for Survival: Establishing the National Seed Bank at the National Botanic Gardens</i> Dr Darren Reidy, National Botanic Gardens of Ireland
09.30 to 09.45	<i>Status of herbicide resistance in difficult-to-control grass weeds in Ireland</i> Dr Vijaya Bhaskar Alwarnaidu Vijayarajan, Teagasc
09.45 to 09.55	Flash Presentation (5 mins per presenter) <i>Investigating the functional strategies underlying the 'weediness' of grass weeds</i> ; Mr Callum Myers, University College Cork <i>DigiHerb: A transnational Herbarium Digitisation Project</i> ; Dr Wuu Kuang Soh, National Botanic Gardens of Ireland
09.55 to 10.30	Tea & Coffee (Poster Viewing or Mas Arte Mas Acción)
Session V: Applied Plant Science – Boole 1	
Chair: Dr Eoin Lettice	
10.30 to 10.45	Mucoromycotina 'fine root endophyte' fungi – exploration of their rhizospheric bacteria Dr Grace Hoysted, Maynooth University
10.45 to 11.00	<i>Developments in high spatial resolution analysis of the rhizosphere using Diffusive Gradients in Thin-Films (DGT)</i> Dr Paul Williams, Queen's University Belfast
11.00 to 11.15	<i>Multi-species grasslands improve belowground soil ecological health</i> Dr Israel Ikoyi, University College Cork

11.15 to 11.30	<p><i>Unlocking the Potential of Seaweed Extracts: A Sustainable Solution for Plant Disease Management in a Warming World</i></p> <p>Ms Sofia Tretiak, University of Galway</p>
11.30 to 12.05	<p>Flash Presentations (5 mins per presenter)</p> <p><i>Relationship between community functional traits, biodiversity and ecosystem processes in semi-natural grasslands</i>; Mr Eoin Halpin, University College Cork</p> <p><i>Investigating the Role of Fungicides, Micronutrients and Zymoseptoria tritici in Determining Wheat Phyllosphere Microbiome</i>; Ms Rabisa Zia, Teagasc / University of Galway</p> <p><i>Mitigating the risks of Mycotoxin production in Cereal Grain</i>; Ms Naoise Mc Kenna, The Agri-Food & Biosciences Institute</p> <p><i>Exploring the Selection Efficiency of Alnus glutinosa Trees using Combined Conventional and Genomics-Assisted methods: Insights from the Irish Gene-Bank and Half-Sibling Progeny Trial</i>; Jie Huang, Teagasc</p> <p>A study on the natural variation in the nutritional composition of 100 oat samples; Nefeli Lampoglou, Teagasc</p> <p><i>InnoVar: Next generation variety testing for improved cropping on European farmland</i>; Ms Hazel Brown, The Agri-Food & Biosciences Institute</p> <p><i>Elder (Sambucus nigra) flowers help find badgers' Meles meles setts and help tuberculosis management</i>, Dr Eoin Lettice, University College Cork</p>
12.05 to 1pm	<p>Lunch (Poster Viewing or Mas Arte Mas Acción)</p>
<p>Session VI: Science Communication and Policy – Boole 1</p>	
<p>Chair: Dr Rossana Henriques</p>	
13.00 to 13.15	<p><i>Regulation of New Genomic Techniques in Europe - Implications for Irish Agriculture</i></p> <p>Dr Barbara Doyle Prestwich, University College Cork</p>

13.15 to 13.30	<i>Establishing a baseline of plant blindness in Ireland</i> Dr Karen Bacon, University of Galway
13.30 to 13.45	<i>The role of tree collections in tackling plant blindness</i> Dr Eoin Lettice, University College Cork
13.45 to 13.50	Flash Presentation <i>How to select appropriate indicators, for a multiple performance evaluation, assessing system innovations for on-farm experiments?;</i> Dr Niamh Power, Munster Technological University
14.00 to 14.30 pm	Closing ceremony and prize giving Dr Barbara Doyle Prestwich

