

# Programme

Monday, 5 September

All talks will take place in the Herschel Building. Refreshments and meals will be provided in the adjacent areas.

## Opening and Welcome

0815 – 0915	Registration
0915 – 0920	Welcome by David Collinge, BSPP President
<b>Presidential address</b>	
0920 – 1000	From defence to microbial lifestyles and back again <b>David B. Collinge (University of Copenhagen, Denmark)</b>
<b>Session 1: Fungal Endophytes (moderator: Rob Jackson)</b>	
1000 – 1030	<b>1.1 KEYNOTE</b> Sweet talk: A plant protein releases a fungal $\beta$ -glucan to enhance colonization <b>Alga Zuccaro (University of Köln, Germany)</b>
1030 – 1100	BREAK
1100 – 1120	1.2 Fungal endophytes of <i>Salicornia europaea</i> <b>Katarzyna Hryniewicz (Nicolas Copernicus University, Torun, Poland)</b>
1120 – 1140	1.3 The effect of plant domestication on the seed microbiome <b>Gail Preston (University of Oxford)</b>
1140 – 1200	1.4 <i>Fusarium langsethiae</i> - mycotoxigenic pathogen or endophyte of cereals? <b>Simon Edwards (Harper Adams University)</b>
1200 – 1220	1.5 Molecular mimicry by fungal leucine-rich repeat proteins – a role in host immune suppression? <b>Graeme Kettles (University of Birmingham)</b>
1220 – 1400	BSPP AGM (Lecture theatre, 1220-1310, members only) AND LUNCH
<b>Session 2: Coat Changers (moderator: David Collinge)</b>	
1400 – 1430	<b>2.1 KEYNOTE</b> <i>Fusarium oxysporum</i> : endophyte or pathogen? <b>Martijn Rep (University of Amsterdam, Netherlands)</b>
1430 – 1450	2.2 SsHADV-1 converts <i>Sclerotinia</i> to an biological control agent <b>Daohong Jiang (Huazhong Agricultural University, Wuhan, China)</b>
1450 – 1510	2.3 Tandem repeats in <i>Phytophthora</i> effectors enables elaborate mimicry of a host phosphatase <b>Wenbo Ma (The Sainsbury Lab, Norwich)</b>
1510 – 1530	2.4 Giant transposons facilitate horizontal gene transfer of the necrotrophic effectors in fungal wheat pathogens <b>Megan McDonald (University of Birmingham)</b>
1530 – 1600	BREAK
<b>PH Gregory Award Part 1 (moderator: Gail Preston)</b>	

## MICROBIAL LIFESTYLES

BSPP Presidential Meeting 2022 | University of Newcastle, 5 – 7 September 2022

1600 – 1800	Diane BUCUR; Joy CLARKE; Alicia FARMER; James FORTUNE; Matteo GRAVINO; Abraham Gomez GUTTIEREZ; Asmaul HUSNA
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**CONFERENCE DINNER** at the Biscuit Factory (NE2 1AN) begins at 1930. The venue is a 25 min walk from the main university campus.

### Tuesday, 6 September

All talks will take place in the Herschel Building. Refreshments and meals will be provided in the adjacent areas. The **Career Chats** (30 mins), aimed at postgraduates and early career researchers, will be held in XX.

Session 3: What are Latent Pathogens? (moderator: Richard Oliver)	
0900 – 0930	<b>3.1 KEYNOTE</b> Exploiting the dual functionality of the Tox3 effector to dissect plant immunity <b>Peter Solomon (Australian National University, Canberra)</b>
0930 – 0950	3.2 The lifestyle of the maize foliar pathogen <i>Cercospora zeina</i> – shy invader or party animal? <b>Dave Berger (FABI, University of Pretoria, South Africa)</b>
0950 – 1010	3.3 <i>Pyrenophora tritici-repentis</i> : what makes a pathogen? <b>Reem Aboukhaddour (AAFC: Lethbridge Research and Development Centre)</b>
1010 – 1030	3.4 Exploring the function of two paralogous <i>F. graminearum</i> effectors reveals the existence of a new genetic pathway required for virulence on wheat spikes <b>Kim Hammond-Kosack (Rothamsted Research)</b>
1030 – 1100	BREAK
Session 4: Open Session (moderator: Murray Grant)	
1100 – 1130	4.1 <i>Pseudomonas syringae</i> effectively manipulates diverse and distantly related host plants <b>Phil Carella (John Innes Centre, Norwich)</b>
1130 – 1150	4.2 Multitrophic interactions in the rhizosphere: soil micro-fauna as a link between microbes and plants <b>Patricia Gilarte Padilla (Western Sydney University, Australia)</b>
1150 – 1210	4.3 Exploiting allelic compatibility in plant paired immune receptors to facilitate engineering of new pathogen effector recognition specificities <b>Adam Bentham (John Innes Centre, Norwich)</b>
1210 – 1230	4.4 The application of rapid evaporative ionisation mass-spectrometry to the diagnosis of plant parasitic nematode infections <b>Alice Flint (Queens University, Belfast)</b>
1230 – 1400	CAREER CHATS AND LUNCH
Session 5: Looking Forward, Thinking Back	
1400 – 1430	5.1 Give me the money: the wonders and woes of seeking project funds <b>Eric Boa (University of Aberdeen)</b>
Session 6: Tools and Tricks of the Trade	

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1430 - 1530	<p><b>TTot 1</b> - Epidemiology and spatial distributions (Mike Shaw, Reading)</p> <p><b>TTot 2</b> - Working with endophytes (Iñigo Zabalgoeazcoa, Spain)</p> <p><b>TTot 3</b> – Field surveys: boots in the ground, apps and artificial intelligence (Dave Berger, South Africa)</p> <p><b>TTot 4</b> - Tbc</p> <p><b>TTot 5</b> – Tbc</p>
1530 – 1600	BREAK
<b>PH Gregory Award Part 2 (moderator: Gail Preston)</b>	
1600 – 1715	Erika KROLL; Andrew LEGG; Laura ROEHRIG; Luca STEEL; Rafal ZDRZALEK; Wadzania Dauda PALNAM
1715 - 1800	Roundtable on <b>BSPP Outreach and Engagement Activities</b> led by Jorun Boss and Gail Preston
1800	REASSEMBLE IN THE BOILER ROOM
<b>Poster Session and Reception</b>	
1800 – 1930	Posters will be displayed in the Boiler Room, accompanied by drinks and canapés. Winners of the J Colhoun (best poster) and PH Gregory (best talk) competitions will be announced

### Wednesday, 7 September

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<b>Session 6: Communities and their Exploitation (moderator: Mike Shaw)</b>	
0900 – 0930	<p><b>6.1 Keynote</b> Structure and functions of the fungal microbiome from a maritime plan  <b>Iñigo Zabalgoeazcoa (CSIC Salamanca, Spain)</b></p>
0930 – 0950	<p>6.2 Identifying plant genes shaping microbiota composition in the barley rhizosphere  <b>Carmen Maria Escudero Martinez (University of Dundee)</b></p>
0950 – 1010	<p>6.3 Jumping genes: phage-mediated transfer of a <i>Pseudomonas</i> effector in the cherry phyllosphere bacterial community  <b>Mojgan Rabiey (University of Birmingham)</b></p>
1010 – 1030	<p>6.4 Unravelling the wheat response to the <i>Fusarium</i> mycotoxin, deoxynivalenol (DON)  <b>Fiona Doohan (University College Dublin)</b></p>
1030 – 1100	BREAK
<b>RKS Wood award</b>	
1100 – 1110	<p>Introduction to 2022 Winner  <b>Fiona Doohan (University College Dublin)</b></p>
1110 – 1140	<p>Fusarium head blight and wheat blast – same host tissue but very different diseases  <b>Paul Nicholson (John Innes Centre, Norwich)</b></p>
1200	END