

Tuesday 17th November					
Time	Theme & Session	Speaker	Title	Chair/Host	Moderator
10.00-10.15	Welcome Fera	Andrew Swift (CEO, Fera Science Ltd)	Welcome- Sustainable food production in uncertain times	Julian Smith	Neil Boonham
10.15-10.30	Welcome IAFRI & NU	Rob Edwards (Head of School, Institute Director, IAFRI, Newcastle University)	Welcome- Newcastle University and IAFRI	Julian Smith	Neil Boonham
10.30-11.00	Conference opening	David Kennedy (Director General for Food, Farming, Animal & Plant Health, Defra)	Welcome and conference opening	Julian Smith	Neil Boonham
11.00-11.10	Environment/plant health	Roy Macarthur, Fera	The Smart Monitoring and Potato Pathogens projects	Julian Smith	Neil Boonham
11.10-11.20	Environment/plant health	Simon Conyers, Fera	Brigit: a multi-disciplinary approach to meet the threat of Xylella	Julian Smith	Neil Boonham
11.20-11.30	Environment/plant health	Yit Arn The, Newcastle University	Understanding ecosystem C balances for estimating C sequestration	Julian Smith	Neil Boonham
11.30-11.40	Environment/plant health	Barbara Agstner, Fera	The Road to Plant Healthy	Julian Smith	Neil Boonham
11.40-11.50	Environment/plant health	Catherine Harrison, Fera	Improving validation processes for plant diagnostics	Julian Smith	Neil Boonham
11.50-12.00	Q&A and panel discussion	Q&A and panel discussion	Q&A and panel discussion	Julian Smith	Neil Boonham
12.05-12.35	Keynote Presentation	Nicola Spence (Chief Plant Health Officer, Defra)	New and emerging threats to Plant health in the UK	Julian Smith	Neil Boonham
12.35-13.15	Lunch	Lunch	Lunch	Lunch	Lunch
13.15-14.00	Sandpit	Sandpit- AMR	Sandpit- AMR- separate zoom link	Ed Haynes	Ioana Lock
14.15-14.45	Keynote Presentation	Guy Pengeley (Investment Director Milltrust)	UK University venturing: the commercialisation of innovative research	Damian Malins	David Phillips
14.45-14.55	Innovation	Sarah Sommer, Newcastle University	Multiplexed Lateral Flow Assays for rapid in-field detection of crop diseases	Damian Malins	David Phillips
14.55-15.05	Innovation	Stilian Hristov, Fera	One hump or two? Attempting to pick the right answer in mouldy flour	Damian Malins	David Phillips
15.05-15.15	Innovation	Claire Williamson, Mark Sykes, Fera	In hemp we trust; proving ground for new CBD food products	Damian Malins	David Phillips
15.15-15.25	Innovation	Alex Laverick, 3rd year student	Switched on Diagnostics: Virus Detection with Toehold	Damian Malins	David Phillips
15.25-15.35	Innovation	Catherine Tétard-Jones, Newcastle University	High-resolution live mapping of rhizosphere glycan patterning using molecular probes	Damian Malins	David Phillips
15.35-15.45	Innovation	Piotr Zaborniak, 3rd year student	Druggability assessment of juvenile hormone receptor PAS-B domain for development of next generation insecticides	Damian Malins	David Phillips
15.45-16.00	Q&A and panel discussion	Q&A and panel discussion	Q&A and panel discussion	Damian Malins	David Phillips
16.00-17.00	Careers Session	Careers Session	Careers Session- separate zoom link	Neil Boonham	Kat Wotherspoon
Wednesday 18th November					
10.00-10.30	Keynote presentation	Sue Davies (Head of Consumer Protection and Food Policy, Which?)	TBC	Adrian Charlton	Susan MacDonald
10.30-10.40	Food	Katharina Heinrich, Fera	Re-assuring the UK consumer and industry about egg labelling claims	Adrian Charlton	Susan MacDonald
10.40-10.50	Food	James Rainford, Fera	How do we turn Early Warning Systems into practical tools?: thoughts on data, timeliness and action around biosecurity (and food fraud)	Adrian Charlton	Susan MacDonald
10.50-11.00	Food	Mark Sykes, Sri Sumathi, Fera	How low is too low? The challenge of determining very trace level heavy metals in infant food	Adrian Charlton	Susan MacDonald
11.00-11.10	Food	Hannah Davis, Newcastle University	Milk quality and dairy cow efficiency under grazing-based management	Adrian Charlton	Susan MacDonald
11.10-11.20	Food	Joe Holland, Fera	If at first you don't succeed... picking up the challenge of fortified food analyses in Africa	Adrian Charlton	Susan MacDonald
11.20-11.30	Food	Sarah O'Brien, Newcastle University	Attribution of norovirus	Adrian Charlton	Susan MacDonald
11.30-11.40	Food	Emma Bradley, Fera	Biobased packaging	Adrian Charlton	Susan MacDonald
11.40-11.55	Q&A and panel discussion	Q&A and panel discussion	Q&A and panel discussion	Adrian Charlton	Susan MacDonald
12.00-13.00	Lunch	Lunch	Lunch	Lunch	Lunch
13.00-13.45	Poster session	Poster session	Poster session- separate zoom link	Adrian Fox	Ellie Jones

14.00-14.30	Keynote presentation	Richard Bramley (Arable Farmer, Farmer Scientist Network & NFU)	Farming in uncertain times	Maureen Wakefield	Naomi Jones
14.30-14.40	Farming	Dave George, Newcastle University	Farming systems	Maureen Wakefield	Naomi Jones
14.40-14.50	Farming	Kirsty McInnes, Newcastle University	Slug Psychology	Maureen Wakefield	Naomi Jones
14.50-15.00	Farming	Emma Chapelhow, 3rd year student	Using molecular techniques to detect soil-borne pathogens and biocontrol agents in soils and their relationships to disease; The utilisation of systematic reviews for method development.	Maureen Wakefield	Naomi Jones
15.00-15.10	Farming	Guy Thallon, Fera	Agri-food adaptations to uncertainty and disruption	Maureen Wakefield	Naomi Jones
15.10-15.20	Farming	Thomas Crocker, 3rd year student	Modelling light leaf spot (Pyrenopeziza brassicae) on vegetable brassica (Brassica oleracea) and oilseed rape (Brassica napus)	Maureen Wakefield	Naomi Jones
15.20-15.30	Farming	Alis Prusokas, 3rd year student	Exploring the limits of novel plant virus discovery via Next Generation Sequencing	Maureen Wakefield	Naomi Jones
15.30-15.45	Q&A and panel discussion	Q&A and panel discussion	Q&A and panel discussion	Maureen Wakefield	Naomi Jones
16.00-17.00	Careers Session	Careers Session	Careers Session- separate zoom link	Neil Boonham	Kat Wotherspoon
Thursday 19th November					
10.00-10.30	Keynote presentation	Dave Bench (Chief Exec, Crop Protection Association)	Crop solutions: a vision for the future	Rachel Benstead	Victoria Peck
10.30-10.40	Environmental risk of chemicals	Ainsley Jones, Fera	Does the insecticide fipronil pose a risk to bees?	Rachel Benstead	Vic Peck
10.40-10.50	Environmental risk of chemicals	Nathan Keighley, 3rd year student	Environmental fate assessments to understand the legacy of metaldehyde in agricultural fields and surface water	Rachel Benstead	Vic Peck
10.50-11.00	Environmental risk of chemicals	John Nightingale, 3rd year student	Assessing the Influence of Manure pH on the Degradation of Selected Antibiotics and their Transformation Products	Rachel Benstead	Vic Peck
11.00-11.10	Environmental risk of chemicals	Emily Eagles, 3rd year student	Environmental risks to freshwater organisms from the mycotoxins deoxynivalenol and zearalenone using Species Sensitivity Distributions	Rachel Benstead	Vic Peck
11.10-11.20	Environmental risk of chemicals	Dimitrios Petsopoulos, 3rd year student	Developing DNA-metabarcoding technologies for the nationwide surveillance of insect pests and beneficials	Rachel Benstead	Vic Peck
11.20-11.30	Q&A and panel discussion	Q&A and panel discussion	Q&A and panel discussion	Rachel Benstead	Vic Peck
12.00-13.00	Lunch	Lunch	Lunch	Lunch	Lunch
13.00-14.00	Sandpit	Sandpit- Measuring biodiversity	Sandpit- Measuring biodiversity- separate zoom link	Guy Thallon	Naomi Jones
14.00-14.30	Keynote presentation	David Hill (Chairman, The Environment Bank)	A new countryside : Restoring biodiversity in the UK by creating the Restoration Economy	Glyn Jones	Neil Audsley
14.30-14.40	Environment	Zarah Pattison, Newcastle University	Biological invasions: drivers and consequences	Glyn Jones	Neil Audsley
14.40-14.50	Environment	Naomi Jones, Fera	Which way for the English uplands?	Glyn Jones	Neil Audsley
14.50-15.00	Environment	Andrew Crowe, Fera	Making connections: The contribution of agri-environment schemes to a joined-up nature conservation network in England.	Glyn Jones	Neil Audsley
15.00-15.10	Environment	Evelyn Jensen, Newcastle University/Yale	Sequencing genomes to observe biodiversity change	Glyn Jones	Neil Audsley
15.10-15.20	Environment	Mathieu Ramon, 3rd year student	Diatom Recording Using Metabarcoding (DRUM)	Glyn Jones	Neil Audsley
15.20-15.30	Environment	Kirsten Miller, Newcastle University	The utility of ecological networks in agriculture	Glyn Jones	Neil Audsley
15.30-15.45	Q&A and panel discussion	Q&A and panel discussion	Q&A and panel discussion	Glyn Jones	Neil Audsley
15.45-16.30	Keynote address, prizes and closing	Professor Gideon Henderson (CSA, Defra)	Keynote and conference closing	Andrew Swift	Glyn Jones