

Full Name	Research Group	Project Title	Main Hutton Supervisor	University of Registration
Adnan Khan	ICS	Digital Soil Mapping and smartphones technology for assessing soil physical and mechanical properties	Matt Aitkenhead	Abertay
Alasdair Iredale	UoD_CMS	Your Best Face Forward – how cereals regulate their epidermal surfaces	Sarah McKim	Dundee
Alex Cort	ES	Understanding the genetic control of rhizosheath and its role in tolerance to abiotic stress in barley	Tim George	Dundee
Alicia Ann Farmer	CMS	Lettuce Downy Mildew - Bremia lactucae populations	Alison Lees	St Andrews
AmininTarqir Akramin	UoD	Protein synthesis heats up: understanding the role of translation initiation in plant temperature responses	Piers Hemsley	Dundee
Andrew Currie	ES	Where have all the hares gone? Understanding species decline and to support species recovery in complex multistakeholder systems	Robin Pakeman	Anglia Ruskin
Annette Raffan	ES	Do plant communities manipulate soil for drought resistance	Ken Loades	Aberdeen
Annika Bucky	EBS	Supporting Scottish communities for a healthy and sustainable, local food system: the role of vertical farming the role of vertical farming	Derek Stewart	Aberdeen
Antonia Foley	EBS	Water resources in agricultural settings: unravelling patterns in water storage, flows and water quality	Marc Stutter	Aberdeen
Apisit Boupai	ES	Does crop genotype utilisation of soil organic matter lower greenhouse gas emissions from soil?	Eric Paterson	Edinburgh
Beth Evans	ES	Can Temperate Agroforestry Systems Benefit Soil Function	Roy Neilson	York
Brezo Mateos	CMS	Mechanisms and Genetics of Dormancy Release in Raspberry	Julie Graham	St Andrews
Callum Thompson	ES	Developing a trait-based approach to understand Sphagnum responses to hydrological stress in the context of peatland restoration	Rebekka Artz	UHI
Camilla Negri	EBS	Developing Risk Based Approaches to Modelling Phosphorus Contamination in Agricultural Catchments	Miriam Glendell	Reading
Chak (Joel) Lam Chan	UoD	Context is everything – how do plants organise receptor complexes to regulate growth, fight pathogens and mitigate environmental stress?	Piers Hemsley	Dundee
Charlotte Winspear	EBS	Effect of Nematode and Mycobacterium avium subspecies paratuberculosis Infections on the Ovine Intestinal Microbiome	Eulyn Pagaling	Edinburgh
Chidinma Yvonne Iro	UoAbT	Towards climate-Positive cRopping: developing mOdel based approaches to idenTify pathways, and EvidenCe benefiTs (PROTECT)	Pete Iannetta	University of Abertay
Chisha Chongo Mzyece	EBS	Monitoring and modelling for early warning of microbial pollution events	Miriam Glendell	Stirling
Christopher Murray	SEGS	The Housing 'Trilemma': Geographies Of Precarity In Rural Scotland	Annie McKee	St Andrews
Claire McNamee	ES	Impact of multiple climate stressors on microbial processes and carbon sequestration in peatlands	Rebekka Artz	Aberdeen
Clare Harkins	EBS	Nationwide surveillance of AMR in the Scottish population by wastewater-based epidemiology	Lisa Avery	Robert Gordon
Coline de l'hommeau	CMS	Next-Generation Potato Breeding Using Advanced Genomic And Genetic Approaches	Sanjeev Sharma	Dundee
Cristina McBride Serrano	ES	Can Increased Plant Diversity Restore Soil-Associated Ecosystem Services In Agroecosystems Experiencing Variable Rainfall Patterns?	Tim George	Lancaster

Darragh Murphy	EBS	Improving Water Quality and Biodiversity with Natural Water Retention Measures in Agricultural Catchments	Mark Wilkinson	Cork
David Ashworth	CMS	Can we develop novel phytonutrients from whisky production to produce barley sustainably in a changing climate?	Kelly Houston	Dundee
Douglas Freeburn	ICS	Accurate Analysis of Nanopore Sequence Data to Drive Crop Improvement	Runxuan Zhang	Dundee
Dylan Penlington	UoD_CMS	Investigating the effects of the environment on gene expression of mycotoxin production in Ergot and Head Blight on barely	Edgar Huttiema	Dundee
Edmund Astin	UoD_CMS	Structure-Function Analyses of Aphid Effector-Target Interactions	Jorunn Bos	Dundee
Ellen Elizabeth Smith	ES	Mechanistic understanding of plant-microbe interaction to solve the nitrogen use efficiency dilemma.	Tim George	Aberdeen
Emily Fields	CMS	Expanding the range of barley and potato gene editing tools	Craig Simpson	Dundee
Emily Lyon	CMS	Malting quality in a changing climate	Luke Ramsay	Dundee
Emma Hardy	UoD-CMS	Deciphering the role of translation in temperature-controlled development	Martin Balcerowicz	Dundee
George Terry	EBS	Defining the genetic basis of barley metabolite content to improve nutrient use efficiency, crop quality and resilience with reduced inputs	Will Allwood	Dundee
Gillian Hayley Donaldson-Selby	ICS	Modelling the Projected Water Balance and Outflow at a Catchment Scale from a Restored Peatland	Rebekka Artz	UWE Bristol
Hamish Johnson	ICS	Groundwater and Nutrient Dynamics in Heterogeneous Agricultural Catchments	Mads Trolborg	Aberdeen
Haosheng Yang	ES	Composition-function relationship of soil microbial community for nutrient cycling under drought	Eric Paterson	Edinburgh
Happison Chikova	ICS	Unlocking the Potential of the soils for carbon farming to meet net zero through real time GHG predictions	Jagadeesh Yeluripati	Dunde
Harrie Mort	EBS	Transdisciplinary Approaches to Addressing the Phosphorous Challenge	Marc Stutter	Leeds
Hazel Marsden	CMS	Can Soft fruit species engage with beneficial microorganisms and restrict oomycete pathogens	Eleanor Gilroy	Warwick
Jack Henderson	ES	Crop production sustainability through the microbial lens	Tim George	Aberdeen
Jackson Mutuku Kilonzi	ES	Optimizing Agricultural Inputs as Informed by Soil Health and Soil Microbiome	Eric Paterson	Edinburgh
Jacob Wylie	ES	Understanding the mechanisms of mycorrhizal suppression of nitrous oxide emission – an integrated approach	Eric Paterson	Sheffield
James Grieves	ES	Producing more with less: adapting high-yielding barley varieties to low-input agriculture	Tracy Valentine	Dundee
Jane Devlin	ES	Novel Use of Remote and Molecular Monitoring Tools to Study Plant-Pollinator Interaction in Fruit Crops	Ali Karley	Aberdeen
Jessica Shadbolt	CMS	Breeding Micronutrient Efficient Barley for Sustainable Agriculture	Kelly Houston	Dundee
John Gyamfi	SEGS	Understanding the Scottish rural land market in the context of the climate and biodiversity crises	Deb Roberts	Heriot-Watt
Josephine Elizabeth Maria Kooij	EBS	Fertilizer Value of Recovered P Products	Marc Stutter	Copenhagen
Josephine Heger	SEGS	Challenges and Opportunities for Creating More Socially Just Food Systems Following Covid-19	Liz Dinnie	Robert Gordon
Kara McHugh	UoD_CMS	Identifciation of De-S-Acylating Enzymes From Plants	Piers Hemsley	Dundee
Kasun Sandeepa Bandara Herath Mudiyansele	ES	Quantifying organic carbon losses in soils through natural processes and land management practises'	David Boldrin	Abertay

Katie Arnton	UoD_CMS	A synthetic community approach to decipher the genetic basis of plant-microbiota interactions in the rhizosphere	Davide Bulgarelli	Dundee
Katy Joyce	SEGS	An investigation into operationalising a Just Transition for communities in Scotland: power relations and Just Transition narratives around St Fittick's Park, Aberdeen	Annabel Pinker	Anglia Ruskin
Kira Lutter	ES	Moving to net zero barley production	Eric Paterson	Dundee
Kirsten Clarke	SEGS	Transformational resilience and the role of changes to working lives in rural communities	Mags Currie	Gloustershire
Kirsten Gow	SEGS	Island Migration and the National Islands Plan	Ruth Wilson	Aberdeen
Laura Pugh	UoD_CMS	Developing Single Cell Transcriptomics Protocols and Computational Tools to Analyse Cereal Tissues in Barley	Sarah McKim	Dundee
Lynn Brown	UoD_CMS	Molecular characterisation of plant disease resistance genes through novel Next-Generation Sequencing applications	Ingo Hein	Dundee
Mac-Anthony Nnorom	EBS	Understanding risks and optimising anaerobic digestion to minimise pathogen and antimicrobial resistance genes entering the environment	Lisa Avery	Surrey
Marcus Craigie	SEGS	Growing Scotland's Islands: Can The National Islands Plan Stimulate A Population Turnaround?	Mags Currie	Aberdeen
Martyn Roberts	EBS	The Role of Place and Scale on Effectiveness of Temporary Storage Areas for Surface Runoff Attenuation	Mark Wilkinson	Aberdeen
Max Hayhurst	CMS	Keeping the leaves on: investigating disease threats to trees	Steve Whisson	Dundee
Mieke Van Lit	ICS	Human impacts on soil health in upland managed and rough grazing land: exploring variability emerging from human-soil interactions at the Finzean Estate (Scotland)	Matt Atikenhead	Glasgow
Milos Micik	ICS	Machine learning based image analysis for phenotyping to speed up barley breeding	Runxuan Zhang	Dundee
Moray Smith	CMS	Resistance in Crop Roots: Functional Analysis of the H2 Mediated Response to Nematodes	Ingo Hein	St Andrews
Namami Gaur	UoD	Structure-Function Relationship in Aphid Effector-Host Target Interactions	Journn Bos	Dundee
Naomi Housego Day	ES	Finding the Right Tree for the Right Place: How Can The Carbon Benefits of Tree Planting be Maximised	Ruth Mitchell	Edinburgh
Oludare Durodola	ES	Optimising Water Use And Soil Carbon Sequestration – Can Agricultural Co-Cropping Systems Provide Multiple Benefits To Address Climate Change?	Cathy Hawes	Aberdeen
Paulina Abanpoka	CMS	Defining barley varietal traits for climate change mitigation and adaptation with emphasis on reduced inputs and variable water	Luke Ramsay	Dundee
Peter Ballantine	SEGS	Green Lairds' and the Just Transition: Impacts of the emerging 'land for carbon' market for the sustainable development of rural communities in Scotland	Annie McKee	UHI
Peyton Jade Goddard	UoD	A microbial glycan production platform for glycoscience research	Didier Ndeh	Dundee
Pippa Wan	UoD	The effect of the barley pathogen ramularia collo-cygni on the quality of malt and the potential to control the disease through host resistance	Joanne Russell	Dundee
Rafael Diogo Caldeira Duarte	ES	Legumes-PLUS: Legume-Polyphenol and -Lectin non-nutritional factors and their role in determining the functional diversity of soil- and gut-microbes.	Pete Iannetta	Universidade Católica Portuguesa
Rafael Monterio Do Carmo	UoD_CMS	How Does PcnMRAL1 Orchestrate Infection-Associated Gene Expression Changes During Host Colonisation	Edgar Huitema	Dundee

Rebekah Hinton	ICS	Status of Malawi's Water and Land Resources: To Aid policy and Donor Decisions (SMaWaL)	Kit MacLeod	Strathclyde
Rodrigo Macias Garbett	UoD	Structural characterisation of plant cell wall glycans, metabolism and their role in plant-microbe interactions	Didier Ndeh	Dundee
Rosalind Corbett	SEGS	The Role of Community Landownership in Increasing Access to Land for New Entrants to Agriculture in Scotland	Annie McKee	Aberdeen
Ruth Helmore	ES	Understanding the Resilience of Restored Peatlands to New Climate Extremes (PeatExtremes)	Tom Parker	Stirling
Sajan Maximillian McCorkindale	EBS	Understanding the epidemiology of pathogen transmission across the human-wildlife-livestock interface using environmental surveillance and metagenomics	Lisa Avery	Aberdeen
Sayali Pawar	EBS	Future Proofing Scotland's Water Security: Delivering Safe and Resilient Water Supplies	Miriam Glendell	Dundee
Sean Thomas Graham	ES	Optimising root surface traits for sustainable plants and soil.	Tim George	Aberdeen
Shanzay Qamar	CMS	Expanding the range of barley gene editing tools	Craig Simpson	Dundee
Silu Li	UoD_CMS	S-Acylation Mediated Regulation of Plant Development Through BRI1	Piers Hemsley	Dundee
Stacey Marko	SEGS	The Right to Play - A Comparison of Rural and Urban Outdoor Play Opportunities, Environments and Experiences	Kathryn Colley	Heriot Watt
Stuart Ramage	EBS	Determining the Spatial and Temporal Distribution of Macro-and-Macro -Plastics in Soil and Their Impact on Soil Function	Eulyn Pagaling	RGU
Tamy Jithesh	ES	Realising the environmental potential of faba beans (<i>Vicia faba</i> L.) via optimised nutrition and nitrogen fixation	Euan James	Harper Adams
Umut Kartal	ES	The development of lanD use risk AssessMEnT tools to identify and deploy lEgume-based crop-Rotations for more-sustainable feed- and food-systems across scales [DIAMETER]	Pete Iannetta	National University of Ireland
Vongai Chekanai	ES	Utilisation Of Single And Multiple Species Cover Crops For The Suppression Of Soil Borne Nematodes Of Narcissus	Roy Neilson	Harper Adams
Wei Wang	UoD	Molecular Characterisation of Plant Disease Resistance Genes Through Novel Next-Generation Sequencing Applications	Ingo Hein	Dundee
Wenhao Wu	UoD	Maternal control of grain development in barley	Sarah McKim	Dundee
William Pallier	ES	Linking Microbial Physiology with Carbon Transformations in Peatlands Under Land Use Change	Rebekka Artz	Aberdeen
Xitong Dai	SEGS	To Eat or Not to Eat Meat: The role of social influence, identity and social network on individual's dietary choice	Tony Craig	Leeds
Yao Fu	UoD_CMS	Developing a high-throughput platform in barley to screen for resistance to aphids	Jorunn Bos	Dundee
Yelizaveta Prokhorova	UoD	Expression and analysis of high-value proteinaceous pharmaceuticals in edible plants	Piers Hemsley	Dundee
Yuk Woon Cheung	UoD	Using state-of-the-art association genetics in potato to clone and study functional disease resistance genes	Micha Bayer	Dundee
Zoe Kathleen Barr	UoD_CMS	Regulation of Plant Cell-to-Cell Communication	Jens Tilsner	St Andrews