

Agriculture, Nutrition & Food Security

March 9th-10th , 2020, Islamabad, Pakistan



Dr Khalid Mahmood
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Prof Nicola Lowe
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Workshop 1: Agriculture, Nutrition & Food Security

March 9th-10th , 2020, Islamabad, Pakistan



Key themes

- Develop solutions to address food security affected by climate change
- Sustainable food production including use of biocontrol for pests & diseases
- Maximize dietary diversity and quality
- Tackle the spread of diseases from livestock to humans (Zoonotic Disease), issue of antibiotics use.



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Workshop Objectives

1. **Strategies to reduce micronutrient deficiencies** (e.g. hidden hunger, diet diversification, quality)
2. **Breeding crops & livestock** to meet the challenges of climate change and diminishing resources (e.g. heat, drought, nutrition, pests & diseases)
3. **Novel, integrated solutions** for current and emerging problems in food supply system (e.g. food safety, mycotoxins, pesticides residues, steroids and antibiotic abuse, inadequate diagnostics, certification)
4. **Monitoring and control systems** for improved plant and animal health (e.g. drones, remote sensing, biosensors, AI, Machine learning, cloud computing, decision support systems)
5. **Cross cutting themes for one health** (e.g. AMR, Zoonoses, Diagnostics, Surveillance, Early Warning Systems, Innovative Control Strategies and cost-effective local solutions).



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Participants Organisations



THE AGA KHAN UNIVERSITY



The University of Nottingham



AYUB AGRICULTURAL RESEARCH INSTITUTE, FAISALABAD
Government of The Punjab

UNIVERSITY OF CENTRAL LANCASHIRE

LONDON SCHOOL OF HYGIENE & TROPICAL MEDICINE



ENGAGE • INSPIRE • INVEST

DAY 1, Monday 9 th March	
8:00 – 8:45	Registration (coffee available)
8:45 – 9:00	Welcome – Prof Nicola Lowe and Dr Khalid Mahmood
9:00 - 9:45	Plenary Talk (food security, climate change, nutrition, zoonotic diseases) Facilitator: Prof Nicola Lowe (UKRI), Prof Anwar Gilani (VC, The University of Haripur) i. Ms Zartaj Gul (Federal Minister, Ministry of Climate Change) ii. Dr Muhammad Azeem Khan (Chairman, PARC)
9:45 – 10:35	Session 1. Towards an integrated approach to address malnutrition (20 minutes plus 5 mins Q&A each) Co-Chairs: Prof Nicola Lowe (UKRI), and Prof Martin Broadley (University of Nottingham) iii. Mr Aslam Shaheen iv. Dr Shabina Raza
10:35 – 11:00	Coffee Break
11:00 – 12:00	Session 2. Sustainable food production (15+5 minutes each) Co-Chairs: Dr Naeem Syed (University of Canterbury) and Prof Bob Rees , (Scotland's Rural University College) v. Dr Shahid Mansur , (NIBGE) & Dr Sigrid Heuer (Rothamsted Research), <i>Resilient Breeding for food security</i> vi. Prof Munir Iqbal (Pirbright Institute) & Dr Abdul Rehman (Poultry Research Institute), vii. Dr Abdul Shakoor Ch. (Newcastle University) & Prof Andrew Dowsey (Bristol University),
12:00 – 13:00	Session 3. Cross cutting theme Plant, livestock and human health (Zoonotic diseases) (15+5 minutes each) Chair: Prof Iqbal Chaudhry (ICBS Karachi) and Dr Belinda Luke , (CABI) viii. Dr Mamoon Chaudhry (UVAS) & Dr Lisa Boden (Edinburgh University) ix. Dr Farooq Shah (UPSIGN) & Dr Waqas Wakil (UAF), x. Professor Brendan Wren (LSHTM) & Dr Habib Bukhari (COMSATS),
13:00 – 14:00	Lunch
14:00 – 14:30	Talk-Prof Nicola Lowe: GCRF overview-programme & opportunities (25+5m)
14:30 – 15:15	Introduction to workshop sessions: Ms Alison Coburn (Common Purpose): Scope & Challenges: Prof Munir Iqbal & Dr Khalid Mahmood
15:15 – 15:45	Challenge-led ideas round 1 (30 minutes) Group discussions of the first set of idea proposers that are in scope
15:45 – 16:00	Summary
16:00 – 16:30	Coffee Break
16:30 – 17:15	Challenge-led ideas round 2 (45 minutes) Group discussions of the second set of idea proposers that are in scope
17:15 – 17:30	Summary
17:30 approx.	Close
18:30	Dinner: HEC (meet in hotel foyer and please do not be late)



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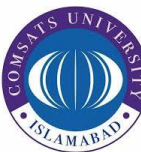
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Desire to help
poor/less fortunate