



WHEAT DISEASE CONFERENCE

FRIDAY 22ND MAY 2015

JOHN INNES CONFERENCE CENTRE - NORWICH

Wheat is the most widely planted crop in the world and has an average production of 650 million tonnes per year, of which 65% is for human consumption. An increasing world population has placed substantial demands on wheat production, a battle exacerbated by the many and emerging diseases which can compromise crop quality and yield.

World-leading scientists from the [John Innes Centre](#), [The Genome Analysis Centre \(TGAC\)](#), and [The Sainsbury Laboratory \(TSL\)](#) are carrying out strategic research into the biology and evolution of wheat diseases, as well as in the genomics and immune responses of wheat.

These programmes, which further highlight the integrative and collaborative nature of research across these different institutes on the Norwich Research Park, are required to provide practical solutions to the significant challenge caused by wheat diseases in UK and worldwide.

Programme

9:30 Registration and refreshments

10:00 Introduction by [John Snape](#) (JIC)

10:10 Dr. [Ravi Singh](#) (CIMMYT): *Approaches to develop and deliver high yielding, disease resistant wheat germplasm at CIMMYT*

10:50 Introduction to the [Norwich Rust Group](#)

11:00 Dr. [Cristobal Uauy](#) (JIC): *Wheat genomics comes of age*

11:25 Refreshments

11:50 Dr. [Diane Saunders](#) (TGAC/JIC): *Developing new tools for interrogating cereal invaders*

12:15 Prof. [James Brown](#) (JIC): *Breeding for Durable Disease Resistance in Outstanding Varieties*

12:40 Lunch

13:40 Dr. [Kim Hammond-Kosack](#) (Rothamsted): *Resistance in wheat to non-biotrophic fungi*

14:20 Dr. [Brandt Wulff](#) (JIC): *Wheat stem rust: battling an old foe with cloned resistance genes*

14:45 Dr. [Matthew Moscou](#) (TSL): *Dissecting the genetic architecture of nonhost resistance*

15:10 Refreshments

15:35 Dr. [Paul Nicholson](#) (JIC): *Fusarium head blight - resistance and susceptibility*

16:00 Dr. [Ksenia Krasileva](#) (TGAC/TSL): *Plant health in the 21st century*

16:25 Concluding remarks by John Snape (JIC)

16:30 Closing remarks