

An event by



4TH INTERNATIONAL WHEAT CONGRESS



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ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



Accademia
Nazionale
di Agricoltura



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Associazione Industriali Mugnai d'Italia



PRE CONFERENCE WORKSHOPS

BOLOGNA - ITALY

Sunday, May 24, 2026

Bologna Congress Center,
Piazza della Costituzione, 4

Conference Chair

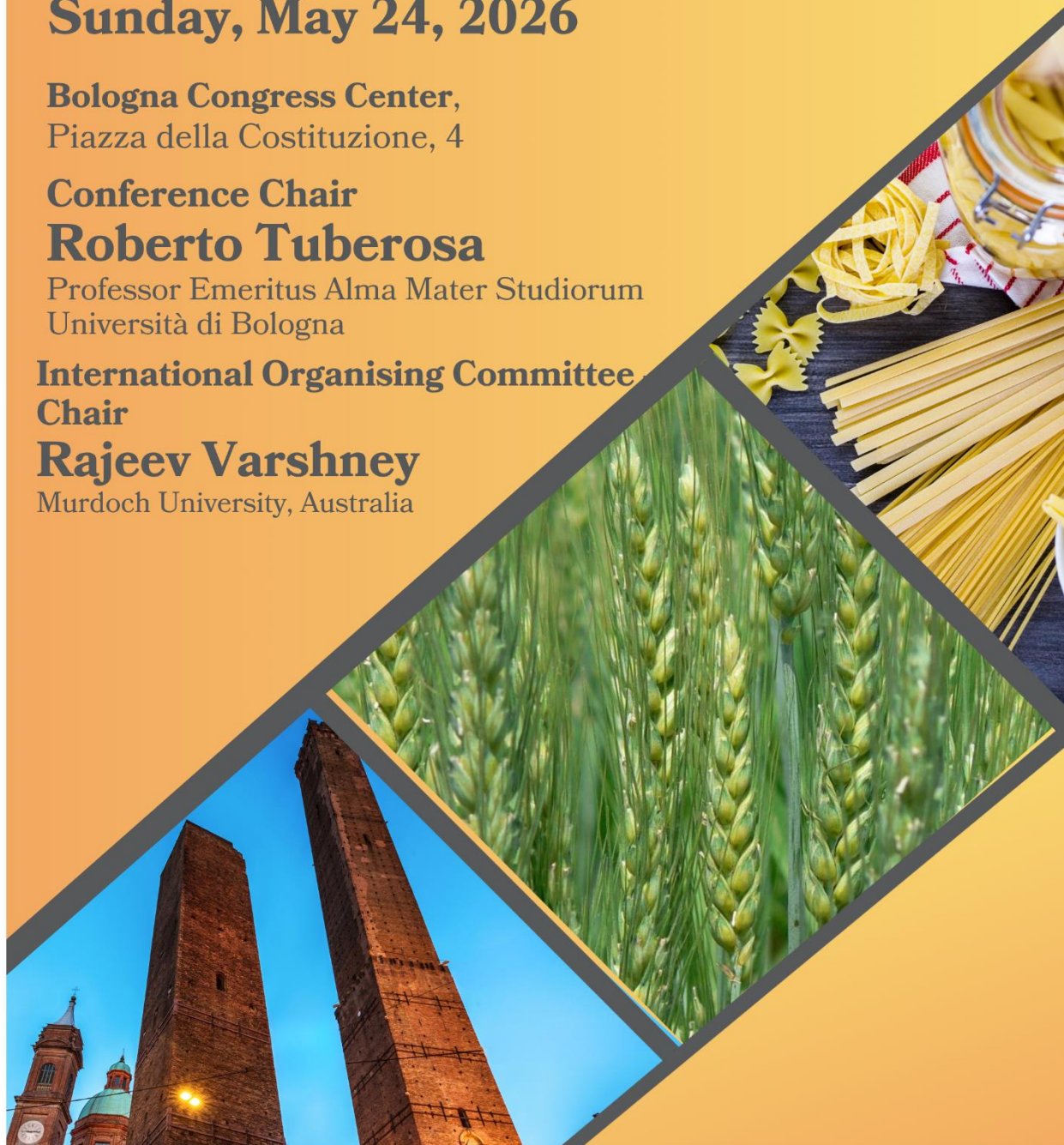
Roberto Tuberosa

Professor Emeritus Alma Mater Studiorum
Università di Bologna

International Organising Committee
Chair

Rajeev Varshney

Murdoch University, Australia



ADVANCING BNI RESEARCH BREEDING, AND ADOPTION

ROOM 1

13:30 - 17:10



Avenue media®
Conference & Expo



BOLOGNA, ITALY - MAY 25-29, 2026

Pre-conference Workshops
Sunday, 24 May 2026

ADVANCING BNI RESEARCH BREEDING, AND ADOPTION

Organized by CIMMYT

Room 1

Organizers: Carolina Saint-Pierre, Susanne Dreisigacker (CIMMYT)

13:30–13:35 **Welcome**
Flavio Breseghello, Global Wheat Program Director, CIMMYT

13:35–13:50 **CropSustain: Overview and updates.**
Carolina Saint Pierre, CIMMYT

Session 1.

Advancing BNI-wheat breeding: this session will focus on research, breeding progress, and enabling tools needed to translate BNI biology into wheat breeding outputs.

13:50–14:10 **Future perspectives in BNI research**
Guntur Subbarao, JIRCAS

14:10–14:30 **Breeding progress in BNI wheat**
Guillermo Gerard, CIMMYT

14:30–14:50 **Supporting BNI-wheat breeding**
Hans Thordal-Christensen, University of Copenhagen

14:50–15:10 **Finding BNI compounds in wheat and beyond**
Jawameer Hama, Aarhus University



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15:10–15:25

Break

Session 2.

Translating BNI from processes to system impact: This session will connect processes, breeding product deployment, and environmental outcomes to advance the practical impact of BNI wheat.

15:30–15:50

BNI in rhizosphere soil systems

Cécile Gubry-Rangin, University of Aberdeen

15:50–16:10

Forward and reverse genetic approaches for BNI in wheat

Simon Griffiths

16:10–16:30

Developing BNI wheat varieties for the IGP region

Pradeep Bhati, BISA, India

16:30–16:50

BNI to mitigate greenhouse gas emissions from pastoral systems

Cecile De Klein, Bioeconomy Science Institute (AgResearch group), New Zealand

16:50–17:10

Closing remarks - CropSustain Scientific Advisory Panel (SAP)

Yann Manes, CropSustain SAP Chair