HTPG Workshop on Forward Breeding for Accelerated Crop Improvement

November 28-30, 2016
ICRISAT, Patancheru,
Telangana, India

Technical Program (Draft)

Day 1 – Monday, November 28, 2016
(Venue: Ralph W Cummings Auditorium)

08:00–08:30 Registration (Near Auditorium) Archana B/Jyotsna G

Session I  Inaugural
[08:30–10:00]
08:30–08:40 Welcome and About the Workshop Rajeev Varshney
08:40–09:00 Inaugural Address David Bergvinson
09:00–09:30 Strategy for Genetic Gains and BMGF Perspective Gary Atlin
09:30–10:00 Overview on HTPG Project in Context of Genetic Gains Rajeev Varshney

10:00–10:30 Group Photo and Coffee Break

10:30–12:00 Industry Perspectives on Forward Breeding
10:30–11:00 Pioneer Dindo Tabanao
11:00–11:30 Syngenta Harish Gandhi
11:30–12:00 Bayer Yog Raj

12:00–13:00 Lunch Break

Session II  HTPG Update & Center-wise Breeding Strategy
[13:00–15:00] Chair : Michael Olsen
13:00–13:30 HTPG Project Update Eng Hwa Ng
13:30–14:00 CIMMYT – Wheat Breeding Strategy and Use of Molecular Technologies Susanne Dresigacker
14:00–14:30 IRRI – Rice Breeding Strategy and Use of Molecular Technologies Joshua Cobb
14:30–15:00 AfricaRice – Rice Breeding Strategy and Use of Molecular Technologies Venuprasad Ramaiah

15:00–15:30 Coffee Break

Session III  HTPG Update & Center-wise Breeding Strategy (Contd…)
[15:30–17:00] Chair : Himabindu Kudapa
15:30–16:00 ICRISAT – Groundnut Breeding Strategy and Use of Molecular Technologies Patrick Okori
16:00–16:30 ICRISAT – Chickpea Breeding Strategy and Use of Molecular Technologies Pooran Gaur
16:30–17:00 CIMMYT – Maize Breeding Strategy and Use of Molecular Technologies Michael Olsen

18:30 Welcome Dinner @ IMOD Plaza, ICRISAT
Day 2 – Tuesday, November 29, 2016  
(Venue: Ralph W Cummings Auditorium)

Session IV  
**HTPG Update & Center-wise Breeding Strategy**  
(Contd...)  
Chair: Manish Roorkiwal  
[08:30–10:00]

- 08:30–09:00  
  CIAT – Bean and Cassava Breeding Strategy and Use of Molecular Technologies  
  Bodo Raatz

- 09:00–09:30  
  IITA – Cowpea and Cassava Breeding Strategy and Use of Molecular Technologies  
  Melaku Gedil

- 09:30–10:00  
  CIP – Potato and Sweet Potato Breeding Strategy and Use of Molecular Technologies  
  Hannele Lindqvist-Kreuze

10:00–10:30  
**Coffee Break**

Session V  
**Logistics-1**  
Chair: Tobias Kretzschmar  
[10:30–12:00]

- 10:30–11:00  
  Integration of Breeding Experiments to Genotyping (BMS):  
  Abhishek Rathore

- 11:00–11:30  
  Integration with GOBII  
  Elizabeth Jones

- 11:30–12:00  
  IRRI Perspective on INTERTEK Genotyping  
  Tobias Kretzschmar

12:00–13:00  
**Lunch Break**

Session VI  
**Logistics-2**  
Chair: Tobias Kretzschmar  
[13:00–15:00]

- 13:00–14:00  
  Sampling Logistics – Manyara Biotech  
  Bryan Zhong

- 14:00–15:00  
  HTPG Testing at INTERTEK – in Practice  
  Patrik Stolt et al.

15:00–15:30  
**Coffee Break**

Session VII  
**Breakout Sessions**  
Chair: Eng Hwa Ng  
[15:30–17:00]

1. Marker Validation (Field + Lab)
2. Marker Data Interpretation and Use in Breeding Programs
3. Logistics Needs

Day 3 – Wednesday, November 30, 2016  
(Venue: CF Bentley Conference Center, 212 Building)

08:30–09:30  
Summary – Breakout Sessions  
Rajeev Varshney

09:30–12:30  
Crop Breeding Sessions  
[11:00–11:30 Coffee Break]

12:30–13:30  
**Lunch Break**

Session VIII  
**Summary and Wrap-Up**  
13:30–15:00  
Summary – Crop Breeding Sessions

15:00–15:30  
Remarks from Lead Centers  
[10 minutes each]

  → CIMMYT  
  Michael Olsen

  → IRRI  
  Tobias Kretzschmar

  → ICRISAT  
  Rajeev Varshney

15:30–16:00  
**Coffee Break**

16:00–16:15  
Closing Remarks  
Peter Carberry

16:15–16:30  
Vote of Thanks  
Eng Hwa Ng