

I W G S C



International Wheat Genome
Sequencing Consortium

IWGSC – From Structural to Functional Wheat Genomics



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IWGSC Project Manager



Pierre Devaux
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PAG

The International Wheat Genome Sequencing Consortium



Why Join the IWGSC? How to join the IWGSC?

- Join global community and network of wheat scientists
- Newsletter: announcements, news, events
- Webinar Series
- Data & Tool Resources



Website wheatgenome.org

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IWGSC Webinar Series

Latest Webinars Play all



Wheat Spike and Grain Development by Learning...

International Wheat Genome Seq...
252 views • 1 month ago



Wheat genomics facilitates the discovery of kinase...

International Wheat Genome Seq...
230 views • 3 months ago

- Live, interactive Webinar since 2020
- Topics on all aspects of Wheat Science
- Past Webinars available on YouTube IWGCS Channel with >1000 subscribers



Want to become a Webinar Speaker or nominate a colleague?
Contact Rolanda Young (young[at]eversoleassociates.com)

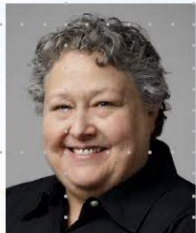


Enhance breeding through an increased understanding of the molecular basis of traits and their allelic diversity



The project addresses the critical need to preserve, discover, and mobilize genetic resources by sequencing landrace genomes that encompass the worldwide diversity of bread wheat.

Principal Investigator
Exec. Director, IWGSC



Kellye Eversole



Biological resources, genome production, annotation
INRAE: UMR Genetics Diversity et Ecophysiology of Cereals (GDEC)



Pierre Sourdil



Frédéric Choulet



Héïène Rimbart



Charles Poncet



IWGSC Data Repository
INRAE: URGI



Michael Alaux



Transcriptome
U. Paris, Saclay



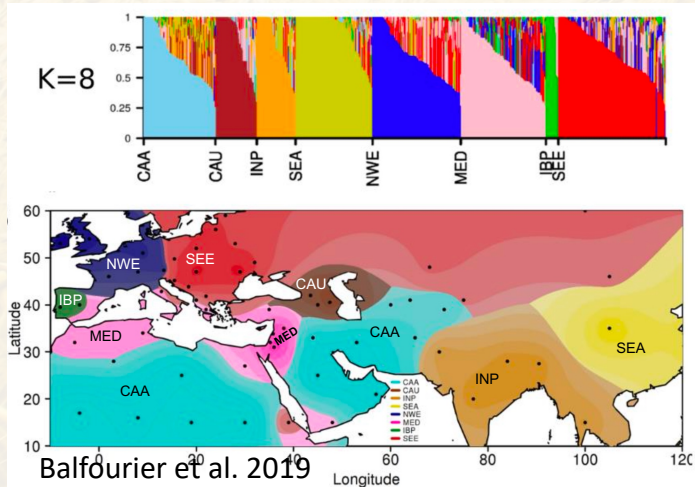
Moussa Benhamed



Practical Haplotype Graph
U. Georgia, Athens



C. Robin Buell



- Platinum assemblies for 12 maximally diverse bread wheat landrace accessions and the community reference cv. Chinese Spring.
- Transcriptome data and gene annotations and update the IWGSC CS RefSeq annotation in a manner that sustains its role as a community-curated resource.
- Construct a Practical Haplotype Graph (PHG) to catalog all genetic diversity within bread wheat and enable community-driven discoveries across the species.



IWGSC-Catherine Feuillet Early Career Award

Awarded to talented early career scientists working on wheat genomics

Carolyn Mukiri Kambona, University of Bonn, Germany



**IWGSC and
Catherine
Feuillet
Early Career
Award – 2024**



Carolyn Mukiri
University of Bonn, Germany

IWGSC Workshop (Saturday):

“Memory of Past Drought Stress Exposure Effects Plant Responses in Subsequent Generations in Winter Wheat (*Triticum aestivum* L.)”

Read her profile here:

<https://www.wheatgenome.org/people/early-career-award/carolyn-mukiri>





Thank you for your participation!

www.wheatgenome.org



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Today's Speakers

Adam William Schoen	U. Maryland	Elucidation of the Genetic Components behind a Novel Gene Controlling Grains per Spike
Jyoti S. Sharma	U. Minnesota	Understanding the Interaction between Suppressors and Rust Resistance Genes
James Milson	John Innes Centre	Hybrid Wheat: Which Alleles Are in Your Bread?
Xianran Li	Washington State U.	BRIDGEcereal: A Webapp Streamlines Unsupervised Machine Learning to Survey and Graph Indel-Based Haplotypes from Pan-Genomes for Functional Characterization
Meriem Aoun	Oklahoma State U.	Genomics to Boost Durable Leaf Rust and Stripe Rust Resistance in the U.S. Great Plains Wheat
Dominique Hirsz	U. Leeds	VRNturing into the Unknown: Dissecting the Role of VERNALIZATION2 (VRN2) in Climate Adaptation