




ISSCT Joint 14th Germplasm & Breeding and 11th Molecular Biology Workshops

Theme: Developing Climate Resilient Sugarcane

Barbados, 9-13 November 2026

First Announcement

The Germplasm & Breeding and Molecular Biology Sections of the International Society of Sugar Cane Technologists (ISSCT) will jointly hold the 14th Germplasm & Breeding Workshop and 11th Molecular Biology Workshop in Hastings, Barbados, from 9 to 13 November 2026.

Workshop website

www.issct-barbados.org

Call for Abstracts of oral communications and of posters

KEY DATES

31 July 2026

Deadline for submission of abstract(s) (oral or poster).

Technical programme

The workshop will cover a wide range of topics related to sugarcane improvement, sugarcane genetics, genome structure, molecular breeding and transgenic approaches, including:

Breeding and selection strategies & methodologies

- Selection for sugar, biomass, bioenergy, other traits.
- Variety exchanges in a changing world.
- Strategies for developing climate smart sugarcane.
- Enhancing and exploiting genetic diversity.
- Hybridization facilities, techniques.
- Application of phenotyping technologies.
- Breeding databases.

Genetics and genome analysis

- Genome structure and diversity.
- Association mapping and QTL analysis.
- Marker Assisted and Genomic selection.
- Bioinformatics tools and databases.
- Gene discovery and transcriptomics.

Transgenics and gene editing

- Development of gene editing technologies.
- Deployment of transgenic varieties.

Field visits are also planned to:

West Indies Central Sugar Cane Breeding Station Germplasm and hybridization facility.

Workshop Venue

Will be communicated in second announcement.

Next announcement
The second announcement is expected in April 2026.

ISSCT Membership
All participants must be ISSCT members.

Visas
Most nationalities can enter Barbados without a visa, you can confirm if you require a visa by checking the following website https://immigration.gov.bb/pages/visa_requirements.aspx, if you do need assistance with the visa process please feel free to contact us.

Membership dues for the period 2025-2028 may be settled directly to the ISSCT Secretariat. For membership application form and for additional information, please visit the ISSCT website at: https://members.issct.org/appform/issct_guatemala_2028.aspx

For further information please contact the Workshop organizers

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