



C20: The Cassava Genome Hub

Tuesday, January 16, 2018

11:15 AM - 11:30 AM

📍 *California*

This portal (www.cassavagenome.org) is an integrative genome information system that allows centralized access to genomics and genetics data, and analytical tools to facilitate translational and applied research in cassava. As we did previously for the Banana Genome Hub ([Droc et al. 2013](#)) and the Coffee Genome Hub ([Dereeper et al. 2015](#)), we opted for GMOD components that are open source, modular, portable and benefiting from a large community support in which we have been involved. We also plugged numerous in-house tools developed by the South Green bioinformatics platform () such as SNIPlay ([Dereeper et al. 2015](#)) and Gigwa ([Sempéré et al. 2016](#)) for the exploration of the huge amount of genomic variations available in Cassava, notably through diversity or GWAS studies, DiffExDB to access RNA-Seq and differential expression data, as well as new components dedicated to interactions with Cassava pathogens.

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