



ABSTRACT

“Quantitative Genomics: Exploring the genetic architecture of heterosis in maize”

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The seminar will describe the approaches of quantitative genetics and genomics applied to identify heterotic QTL in maize and the difficult and somehow frustrating effort in trying to physically isolate the corresponding loci. In this seminar the development and fine genotypic characterization of near-isogenic lines for selected heterotic QTL will be described. Finally it will be presented a new large multi-parental population recently produced in maize and the challenge posed by its characterization.