Jeudi 8 Juin 2017

8h30-8h50: Welcome of the participants / Accueil des participants

8h50-9h00: Introduction - practical information / détails pratiques

SESSION 1- (ANIMATRICE MALKA AINOUCHÉ)

9h00-9h40: GRIMANELLI Daniel  Dynamics and functional roles of DNA methylation during plant reproductive development.

9h40-10h05: RICHARDS Christina  Transcriptomic responses to challenging environments in Spartina alterniflora populations

10h05-10h30: KELLER Jean  *Lupinus* (Fabaceae) nodulome: A RNA-seq approach of differentially expressed genes in a context of symbiont switch in the plant/Bradyrhizobium nitrogen-fixing association

10h30-10h55: ROUSSEAU-GUEUTIN Mathieu  Endosymbiosis and the evolutionary fate of genes duplicated in different cellular compartments.

10h55-11h15 Coffee Break

SESSION 2 - (ANIMATRICE ANNE MARIE CHÉVRE)

11h15-11h40: STAVRINIDES Anna  Highly duplicated Medium-Chain Dehydrogenase/Reductases increase chemical diversity and hint at the creation of biosynthetic gene clusters

11h40-12h05: KHEDIM Thinhinan  Karyotype diversity and evolution in the disjunct *Allium* subgenus Amerallium Traub (Amaryllidaceae)

12h05-12h30: AISSIOU Fella  *Brassica rapa* genetic resources from Algeria: diversity and population structure based on SSR markers

12h30-12h55: FARHAT Perla  Exceptional high rate of polyploidy screened in *Juniperus* genus

13h00-14h15: Lunch at CIRAD

SESSION 3 - (ANIMATEUR MATHIEU ROUSSEAU)

14h15-14h30: D’HONT Angélique  GenomeHarvest Project

14h30-14h55: AHMED Dalel  A phylogenomic study based on Genotyping By Sequencing unravels the interspecific mosaic structures of the cultivated *Citrus* genomes

14h55-15h20: GARCIA SANTOS Joao  Using the 3k genomes to decipher the mosaic structure of genome diversity in Rice

15h20-15h55: COTTIN Aurélien  Evaluation of methodologies for the characterization of plant mosaic genomes

15h55-16h25: Coffee Break and Poster
16h25-16h50: **MARTIN Guillaume** Evolution of the banana genome is impacted by large chromosomal translocations

16h50-17h15: **DUPOUY Marion** Characterization of two large chromosomal translocations in Musa acuminata ssp. burmannicoides “Calcutta4”

17h15-17h40: **BAURENS Franc-Christophe** Large chromosomal structural variations between M. acuminata and M. balbisiana and their consequences on chromosome recombination and segregation in a AAAB polyploidy context.

17h40-18h05 **PELE Alexandre** New insights on homologous recombination in polyploids: the striking case of *Brassica* allotriploids

20h RESTAURANT in “……” MONTEPELLIER

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**Vendredi 9 JUIN 2017**

**SESSION 4- (ANIMATEUR PHILIPPE LASHERMES)**

9h00-9h40: **GALTIER Nicolas** Génomique des populations comparative chez les animaux: diversité génétique, taux d'adaptation, barrière d'espèces

9h40-10h05: **De OLIVEIRA Romain** Identification et analyse des variations structurales du génome chez le blé

10h05-10h30: **SOURDILLE Pierre** Overview of actual and ancestral recombination in relationship with the sequence in wheat: focus on chromosome 3B

10h30-10h55: **SABOT François** Evolution of African rices pangenomes through domestication and post-domestication

**10h55-11h15 Coffee Break**

**SESSION 5 - (ANIMATEUR OLIVIER CORITON)**

11h15-11h40: **PANAUD Olivier** Crops, man and TEs. The 3000 rice genomes unravel TE-driven genome dynamics in the field

11h40-12h05: **DUPEYRON Mathilde** Distribution of Divo in Coffea genomes, a poorly described family of angiosperm LTR-Retrotransposons

12h05-12h30: **FRUCHARD Cécile** Assembling a large plant Y chromosome using long read sequencing

12h30 – 13h00: **Round table- Exchanges – End of the conférence / Table Ronde Echange Clôture de la conférence**

**13h00: Lunch at CIRAD**