



**P L A N T & A N I M A L G E N O M E X X I I I**

The Largest Ag-Genomics Meeting in the World.

January 10-14, 2015  
San Diego, CA

[www.intlpag.org](http://www.intlpag.org)

**P1196****SNPGreen: A Database to Navigate Across Plant SNP Arrays**

Date: Monday, January 12, 2015

Room:

*Filippo Biscarini , Fondazione Parco Tecnologico Padano, Lodi, Italy*  
*Andrea Caprera , Fondazione Parco Tecnologico Padano, Lodi, Italy*  
*Nelson Nazzicari , Fondazione Parco Tecnologico Padano, Lodi, Italy*  
*Paolo Cozzi , Fondazione Parco Tecnologico Padano, Lodi, Italy*  
*Francesco Strozzi , Fondazione Parco Tecnologico Padano, Lodi, Italy*  
*Laura Rossini , Universty of Milan - DiSAA, Milano, Italy*  
*Alessandra Stella , Fondazione Parco Tecnologico Padano, Lodi, Italy*  
**Ezequiel Luis Nicolazzi** , Fondazione Parco Tecnologico Padano, Lodi, Italy

In recent years, the use of genomic information in plant and animal species for genetic improvement, and related fields has become routine. In order to accommodate market requirements (i.e. genotyping cost), manufacturers of single nucleotide polymorphism (SNP) arrays, private companies and international consortia have developed a large number of arrays with different content and different SNP density. The number of currently available SNP arrays differs among species. There is a strong need to standardize and integrate array- specific (e.g. SNP IDs, allele coding) and species-specific (i.e. assemblies) SNP information. After the very positive response to SNPChiMp ([bioinformatics.tecnoparco.org/SNPchimp](http://bioinformatics.tecnoparco.org/SNPchimp)), where we store and provide tools for the 6 major livestock species and more than 20 SNP arrays, we are now extending our family of tools to plant species. SNPGreen ( [bioinformatics.tecnoparco.org/SNPgreen](http://bioinformatics.tecnoparco.org/SNPgreen)) currently includes 3 SNP arrays for Rice and Maize.

## Handouts

[2015 - Nicolazzi \(POSTER\) - PAG-XXII - SNPGreen.pdf \(1.4 MB\)](#)

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**When:**

January 10 - 14, 2015

**Where:**

San Diego, CA