

# PMCB 2010 Workshop Abstracts

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## **The Role of 14-3-3 Dimerization in Client Interactions**

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## **The Role of the *Mini-me* and *Grass* Genes of Maize in Establishing Grass Architecture**

Sharon Tan<sup>1,2</sup>, Karen Koch<sup>1,2,3</sup>, Don McCarty<sup>1,2,3</sup>, Wilfred Vermerris<sup>1,2,4</sup>

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## **Detection of Candidate Genes for Resistance to Pitch Canker (*Fusarium circinatum*) in Loblolly Pine (*Pinus taeda* L) Using Association Studies on Two Pine Populations**

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## **Relative Contributions of Crown and Phenological Traits to Growth of a Pseudo-Backcross Family ((slash x loblolly) x slash) and the Open-Pollinated Families of Its Pure Species Progenitors**

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## **Genomic Analysis of the Fusiform Rust Pathogen *Cronartium quercuum* f.sp. *fusiforme***

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## **Efficient Mapping from Maize Public Mutagenesis Populations Using Distributed Simple Sequence Repeat (SSR) Markers**

Federico Martin<sup>1</sup>, Gertraud Spielbauer<sup>1</sup>, Sarah Dailey<sup>1</sup> and A. Mark Settles<sup>1</sup>

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## **Arsenite Induced Oxidative Stress in *Arabidopsis thaliana*: Role of Ethylene Signaling**

Aparna Krishnamurthy<sup>1</sup>, Shuan Teo<sup>1</sup> and Bala Rathinasabapathi<sup>1</sup>

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## **Expression of the Maize Cellulose Synthase (*CesA*) Gene Family at the Cell-, Protoplast-, and Tissue- Levels**

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## **Functional Characterization of *Arabidopsis* Isopropylmalate Dehydrogenases Reveals Their Important Roles in Gametophyte Development**

Yan He<sup>1</sup>, Liqun Chen<sup>1</sup>, Yuan Zhou<sup>1</sup>, Thomas P. Mawhinney<sup>2</sup>, Bing Chen<sup>1</sup>, Byung-Ho Kang<sup>3,4</sup>, Bernard A. Hauser<sup>1</sup>, and Sixue Chen<sup>1,4</sup>

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## **Whole-Genome Genotyping Through Sequence Capture in Pine**

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## **Plant Physiological and Developmental Changes Induced by Green Light**

Tingting Zhang<sup>1</sup>, Stefanie Maruhnich<sup>2</sup>, Kevin M. Folta<sup>1,2</sup>

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## **Disruption of Maize Cellulose Synthase-Like D1 Leads to a *Narrow-Leaf Warty* Phenotype**

Chip Hunter<sup>1</sup>, Don McCarty<sup>1</sup>, Karen Koch<sup>1</sup>

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## **Investigating *Tha4* Topology During Tat Protein Translocation**

Cassie Aldridge<sup>1</sup> and Kenneth Cline<sup>1</sup>

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## **Multiple Precursor Proteins Bind Individual Tat Receptor Complexes and Are Collectively Transported**

Xianyu Ma<sup>1</sup> and Kenneth Cline<sup>1</sup>

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## **Pterin-Linked Aromatic Amino Acid Hydroxylases from Pine and Moss: Biochemical and Reverse Genetic Characterization of a New Class of Plant Enzymes**

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### **Fruit-Specific Gene Expression in Strawberry**

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### **Identification of Redox Sensitive Proteins in *Brassica Napus* Guard Cells**

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### **Effect of UV-C Treatment on Strawberry Fruit Gene Expression**

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### **Phosphorus and Sucrose Effect on Maize Root**

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