Thursday, March 11 **5:30 - 7:00 pm DINNER**

7:00 - 7:15	**Announcements**	Chairs	
Session 1	**EVENING SESSION**	**7:15- 9:15 pm**	Chair: Dave Jackson
7:15 - 8:00	**Ed Buckler , USDA-ARS** *Bridging Genomics and Breeding with Maize Diversity*		
8:15 - 9:00	**Patricia León, Universidad Autónoma de Mexico**, *Glucose Regulation in Plants: A Dissection of a Complex Signaling Network*		
9:15	**Informal Poster Viewing (hang Posters late Thursday Night)**		

Friday, March 12

Session 2	**Developmental Genetics**	**8:30-10:10 am**	Chair: Sarah Hake
8:30-8:45	**Thomas Dresselhaus, University of Hamburg** *Peptide-Mediated Signaling from the Egg Apparatus of Maize*		
8:50-9:05	**Andrea Gallavotti, University of California – San Diego** *Barren stalk1 and the Control of Lateral Meristem Initiation in Maize*		
9:10-9:25	**David Jackson, Cold Spring Harbor Laboratory** *Control of Phyllotaxy in Maize by ABPHYL1*		
9:30-9:45	**Michelle Juarez, Cold Spring Harbor Laboratory** *Adaxial/Abaxial Specification of the Maize Leaf*		
9:50-10:05	**Elizabeth Kellogg, University of Missouri – St. Louis** *Evolution of Genes Related to leafy hull sterile1 in the Grasses*		
10:10-10:25	**Michael Muszynski, Pioneer Hi-Bred International** *knotted1 Modulates Different Hormone Pathways in Maize Compared to Dicots*		
10:30-10:50 am -BREAK WITH BEVERAGES			
Session 3	**Biochemical Genetics**	**10:50-12:25pm**	Chair: Monika Frey
10:50-11:05	**Chun-Hsiang Chang, Pioneer Hi-Bred International** *Expression of Feedback Insensitive Corn Aspartate Kinase in Corn Seed Results in an Increase of Threonine*		
11:10- 11:25	**Jorge Nieto-Sotelo, UNAM** *Relevance of the Structure of the Middle Region in the Evolution of HSP100/ClpB Proteins*		
11:30-11:45	**David Stern, Cornell University** *A Nucleus-Encoded Sigma Factor Targeted to Both Mitochondria and Chloroplasts*		
11:50-12:05	**Bao-Cai Tan, University of Florida** *The Dominant White Endosperm Factor White Cap Encodes the ZmCCD1 Carotenoid Dioxygenase in a Large Multiple Copy Gene Array*		
12:10-12:25	**Manli Yang, The University of Toledo** *The lethal leaf-spot1 (lls1) Protein Which Catalyzes Chlorophyll Degradation is Localized to the Inner Chloroplast Membrane*		

12:30-1:30 PM - LUNCH			
1:30-3:30 PM- POSTER SESSION **Contributors will be at EVEN-NUMBERED Posters** 3:00-3:30 pm - BEVERAGES SERVED			
Session 4	**Sequencing the maize gene space-a progress report**	**3:30-5:35pm**	Chair: Mike Scanlon
3:30-3:40	**Gary Davis, National Corn Grower's Association** *A Grower's Perspective on Maize Research*		
3:45-3:57	**Patrick Schnable, Iowa State University** *An Assembly of the Maize Genome*		
4:02-4:14	**Brad Barbazuk, Donald Danforth Plant Science Center** *Consortium for Maize Genomics - An Examination of Maize Gene Coverage Obtained From Shotgun Sequences Derived From Methyl-filtered and High COT Selection Libraries*		
4:19-4:31	**Agnes Chan, The Institute For Genomic Research** *Consortium for Maize Genomics – Assembly and Annotation of the Filtered Maize Genome*		
4:36-4:48	**Joachim Messing, Waksman Institute, Rutgers University** *High Resolution Physical Mapping of the Maize Genome and Sequencing a Part Thereof*		
4:53-5:05	**Jeff Bennetzen, University of Georgia** *Techniques for Finishing and the Assembly of Gene-Enriched Shotgun Sequence Data into a Linked Archipelago of Beautiful Gene Islands, Beaches and All*		
5:10-5:22	**Pablo Rabinowicz, Cold Spring Harbor Laboratory** *Maize Genome Sequencing By Methylation Filtration*		
5:27-5:35	**Maize Genetics Executive Committee** *Wrap Up*		
6:00-7:30 pm - DINNER			
Session 5	**EVENING SESSION**	**7:30- 9:15 pm**	Chair: Dan Grimanelli
7:30-8:15	**Nancy Craig, Johns Hopkins University School of Medicine,** *The Mechanism of hAT Element Transposition*		
8:30-9:15	**Luis Herrera-Estrella, Centro de Investigacion y Estudios Avanzados del IPN** *Phosphorus Stress Responses in Arabidopsis and Maize*		
9:30	**Informal Poster Viewing**		

Saturday, March 13

Session 6	**Cytogenetics and Transposons**	**8:30-10:10 am**	Chair: Pat Schnable
8:30-8:45	**James Birchler, University of Missouri – Columbia** *Somatic Karyotype Analysis in Maize*		
8:50-9:05	**Olivier Hamant, University of California – Berkeley** *Eludicating the Cohesion Protein Network by Analysis of Maize Mutants*		
9:10-9:25	**Jerry Kermicle, University of Wisconsin** *Cross Incompatibility Between Maize and Annual Mexican Teosintes*		
9:30-9:45	**Cagla Altun, Purdue University** *A New Twist on DNA Repair: Characterization of the Maize Mre11 Gene(s)*		
9:50-10:05	**Akemi Ono, Stanford University** *Epigenetic Silencing of MuDR/Mu Transposon*		
10:10-10:40 am -BREAK WITH BEVERAGES			
Session 7	**Quantitative Traits / Epigenetics /Cell Biology**	**10:40-12:20pm**	Chair: Jay Hollick
10:40-10:55	**Mei Guo, Pioneer Hi-Bred International** *Allelic Variation of Gene Expression in Maize Hybrids*		
11:00- 11:15	**Carlos Harjes, Cornell University** *Advanced Backcross Analysis of Maize / Zea diploperennis: Identification and Verification of Novel QTL with Agronomic Importance in Hybrid Maize*		
11:20-11:35	**Chris Della Vedova, University of Missouri – Columbia** *RNA Silencing of an Endogenous Gene in Maize*		
11:40-11:55	**Jose Gutierrez-Marcos, Oxford University** *ZmMEG1-1 is an Endosperm Transfer Cell-Specific Gene with a Maternal Parent-of-Origin Pattern of Expression*		
12:00-12:15	**Montserrat Pages, Consejo Superior de Investigaciones Cientificas** *Protein Kinase CK2 Modulates Developmental Functions of the Abscisic Acid Responsive Protein RAB17 From Maize*		
12:30-1:30 PM – LUNCH			
1:30-3:30 PM- POSTER SESSION **Contributors will be at ODD-NUMBERED Posters** 3:00-3:30 pm - BEVERAGES SERVED			

Session 8	Maize genetic diversity - exploration, maintenance and applications	3:30-5:00 pm	Chair: Martha James
3:35-3:45	**Major Goodman, North Carolina State University** *Variation in Latin American Maize*		
3:50-4:00	**Steven Smith, Pioneer Hi-Bred International** *Maize Genetic Diversity*		
4:05-4:15	**Maud Tenaillon, Station de Genetique Vegetale, Ferme du Moulon** *A Multilocus Investigation of the Domestication Process in Maize*		
4:20-4:30	**Marilyn Warburton, CIMMYT** *Accessing Useful Diversity from the CIMMYT Maize Genetic Resources Collection*		
4:35-4:45	**Denise Costich, Boyce Thompson Institute for Plant Research** *Exploring Maize Genetic Diversity to Understand Light Response Pathways*		
5:15 pm Buses depart for trip to Anthropology Museum			
6:00-9:30 pm -MUSEUM TRIP (beverages and finger food provided) **Bruce Benz, Texas Wesleyan University** *A Story of Maize: Archaeological Evidence from Mexico*			
9:30 - 11:00 PM-DINNER			

Sunday, March 14

Session 9	Bioinformatics and Genomics	9:00-10:40 am	Chair: Lynn Senior
9:00-9:15	**Bi Irie Vroh, Cornell University** *Global Picture of Linkage Disequilibrium Assessed on Maize Unigene Set in Maize Inbred Lines*		
9:20-9:35	**Jean-Philipe Vielle-Calzada, CINVESTAV** *Simultaneous Prediction of microRNAs and Their Target mRNAs Acting By Translational Repression*		
9:40-9:55	**David Skibbe, Iowa State University** *Genome-Wide Examination of Gene Expression in Developing Maize Anthers*		
10:00-10:15	**Nigel Walker, University of Oregon** *Photosynthetic Mutant Library: Functional Genomics of Chloroplast Biogenesis*		
10:20-10:35	**Michele Morgante, Universiti di Udine** *Extensive cis-Acting Regulatory Variation and Expression Overdominance in Maize: A Molecular Basis for Heterosis*		
10:40	**FINAL ANNOUNCEMENTS**		
10:45	**ADJOURN**		

Abstracts – Talks and Poster Presentations

Plenary Talks

T1	*Ed Buckler*	*Bridging Genomics and Breeding with Maize Diversity*
T2	**Patricia León**	*Glucose Regulation in Plants: A Dissection of a Complex Signaling Network*
T3	**Nancy Craig**	*The Mechanism of hAT Element Transposition*
T4	**Luis Herrera-Estrella**	**Phosphorus Stress Responses in Arabidopsis and Maize**

Developmental Genetics Talks

T5	*Thomas Dresselhaus*	*Peptide-Mediated Signaling from the Egg Apparatus of Maize*
T6	**Andrea Gallavotti**	*Barren stalk1 and the Control of Lateral Meristem Initiation in Maize*
T7	**David Jackson**	*Control of Phyllotaxy in Maize by ABPHYL1*
T8	**Michelle Juarez**	*Adaxial/Abaxial Specification of the Maize Leaf*
T9	**Elizabeth Kellogg**	*Evolution of Genes Related to leafy hull sterile1 in the Grasses*
T10	**Michael Muszynski**	*knotted1 Modulates Different Hormone Pathways in Maize Compared to Dicots*

Biochemical Genetics Talks

T11	*Chun-Hsiang Chang*	*Expression of Feedback Insensitive Corn Aspartate Kinase in Corn Seed Results in an Increase of Threonine*
T12	**Jorge Nieto-Sotelo**	*Relevance of the Structure of the Middle Region in the Evolution of HSP100/ClpB Proteins*
T13	**David Stern**	*A Nucleus-Encoded Sigma Factor Targeted to Both Mitochondria and Chloroplasts*
T14	**Bao-Cai Tan**	*The Dominant White Endosperm Factor White Cap Encodes the ZmCCD1 Carotenoid Dioxygenase in a Large Multiple Copy Gene Array*
T15	**Manli Yang**	*The lethal leaf-spot1 (lls1) Protein Which Catalyzes Chlorophyll Degradation is Localized to the Inner Chloroplast Membrane*

Genomics Workshop Talks

T16	*Gary Davis*	*A Grower's Perspective on Maize Research*
T17	**Patrick Schnable**	**An Assembly of the Maize Genome**
T18	**Brad Barbazuk**	*Consortium for Maize Genomics - An Examination of Maize Gene Coverage Obtained From Shotgun Sequences Derived From Methyl-filtered and High COT Selection Libraries*

T19	**Agnes Chan**	*Consortium for Maize Genomics – Assembly and Annotation of the Filtered Maize Genome*
T20	**Joachim Messing**	*High Resolution Physical Mapping of the Maize Genome and Sequencing a Part Thereof*
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T22	**Pablo Rabinowicz**	*Maize Genome Sequencing By Methylation Filtration*

Cytogenetic & Transposon Talks

T23	*James Birchler*	*Somatic Karyotype Analysis in Maize*
T24	**Olivier Hamant**	*Eludicating the Cohesion Protein Network by Analysis of Maize Mutants*
T25	**Jerry Kermicle**	*Cross Incompatibility Between Maize and Annual Mexican Teosintes*
T26	**Cagla Altun**	*A New Twist on DNA Repair: Characterization of the Maize Mre11 Gene(s)*
T27	**Akemi Ono**	**Epigenetic Silencing of MuDR/Mu Transposon**

QTL, Epigenetic, and Cell Biology Talks

T28	*Mei Guo*	**Allelic Variation of Gene Expression in Maize Hybrids**
T29	**Carlos Harjes**	*Advanced Backcross Analysis of Maize / Zea diploperennis: Identification and Verification of Novel QTL with Agronomic Importance in Hybrid Maize*
T30	**Chris Della Vedova**	*RNA Silencing of an Endogenous Gene in Maize*
T31	**Jose Gutierrez-Marcos**	*ZmMEG1-1 is an Endosperm Transfer Cell-Specific Gene with a Maternal Parent-of-Origin Pattern of Expression*
T32	**Montserrat Pages**	*Protein Kinase CK2 Modulates Developmental Functions of the Abscisic Acid Responsive Protein RAB17 From Maize*

Genetic Diversity Workshop Talks

T33	**Major Goodman**	*Variation in Latin American Maize*
T34	**Steven Smith**	*Maize Genetic Diversity*
T35	**Maud Tenaillon**	*A Multilocus Investigation of the Domestication Process in Maize*
T36	**Marilyn Warburton**	*Accessing Useful Diversity from the CIMMYT Maize Genetic Resources Collection*
T37	**Denise Costich**	*Exploring Maize Genetic Diversity to Understand Light Response Pathways*

Museum Talk

T38	*Bruce Benz*	**A Story of Maize: Archaeological Evidence from Mexico**

Bioinformatics & Genomics Talks

T39	**Bi Irie Vroh**	*Global Picture of Linkage Disequilibrium Assessed on Maize Unigene Set in Maize Inbred Lines*

T40	**Mario Alberto Arteaga-Vazquez**	*Simultaneous Prediction of microRNAs and Their Target mRNAs Acting By Translational Repression*
T41	**David Skibbe**	*Genome-Wide Examination of Gene Expression in Developing Maize Anthers*
T42	**Nigel Walker**	*Photosynthetic Mutant Library: Functional Genomics of Chloroplast Biogenesis*
T43	**Michele Morgante**	*Extensive cis-Acting Regulatory Variation and Expression Overdominance in Maize: A Molecular Basis for Heterosis*

Biochemical Genetics Posters

P1	**Cyrus Abdmishani**	*Correlation and Path Analysis of Grain Yield and its Components in Maize*
P2	**Analilia Arroyo**	*Characterization of the Plastidic Isoprenoid MEP Pathway in Maize*
P3	**Pat Bafuma**	*Characterization of the OPT Gene Family in Rice*
P4	**David Bergvinson**	*Molecular Mapping of QTL for Fall Armyworm Resistance and Associated Traits in a Tropical RIL Population (CML67xCML131)*
P5	**Paula Casati**	*How High Altitude Maize Landraces Respond to Ultraviolet Radiation - Investigation of Different Mechanisms Involved in UV-B Acclimation*
P6	**Berenice Cueva-Torres**	*Proteomic Profiles and Nutritional Properties of Maize Landraces of 'El Bajio'*
P7	**Kristyn Dumont**	*Substrate Specificity of the Rice Peptide Transporter OsPTR1*
P8	**Emily Dunn**	*Comparative Study of Lepidopteron Resistance in Maize Lines through Protein Analysis*
P9	**James English**	*Evolution of an Amine Oxidase for Detoxification of Fumonisins by Gene Shuffling*
P10	**George Heine**	*Functional Characterization of Evolutionary Conserved MYB Domain Residues Using P1 as a Model*
P11	**Robert Holmes**	*Characterization of a Maize Inhibitor of Aflatoxin Accumulation*
P12	**David Moody**	*Characterization of an OPT Type Transporter from Zea mays*
P13	**Christina Murillo**	*Gene Duplication in the Carotenoid Biosynthetic Pathway Preceded Evolution of the Grasses (Poaceae): Implications for Pathway Engineering*
P14	**William Rapp**	*Anthranilate Synthase from Agrobacterium tumefaciens Promotes Increases in Free Tryptophan When Expressed in Plant Seeds*

P15	**Quintin Rascon-Cruz**	*Amarantin Accumulation in Transgenic Tropical Maize Germoplasm*
P16	**Carol Rivin**	*Evolution of Novel Gene Function by Divergent Targeting of Duplicated Gene Products*
P17	**Silvio Salvi**	*An Introgression Library of the Maize Early-Flowering Variety Gasp Flint into B73*
P18	**Paul Scott**	*Transgenic Maize Grain Containing Porcine Alpha Lactalbumin Has Elevated Levels of Lysine*
P19	**Moira Sheehan**	*Phenotypic Analyses of Phytochrome B Single and Double Mutants in Maize*
P20	**Masaharu Suzuki**	*Cloning and Characterization of viviparous15: Application of MuTAIL-PCR, Blast Filtering, and In Silico Subtraction to Identify Candidate Genes*
P21	**Chi-Wah Tseung**	*Biochemical and Molecular Characterization of Maize vp13 Mutants*

Bioinformatics Posters

P22	**Juan Burgueno**	*Spatial Analysis of cDNA Microarray Experiments*
P23	**Terry Casstevens**	*GDPC: The Genomic Diversity and Phenotype Connection: Accessing Data Sources via XML Web Services*
P24	**Evelyn Hiatt**	*MaizeGDB Curation and undergraduate training: can they be symbiotic?*
P25	**Carolyn Lawrence**	*PGROP: the Plant Genome Research Outreach Portal*
P26	**Christopher Maher**	*Identifying microRNAs in Plant Genomes*
P27	**Octavio Martinez**	*MAZORKA: A Fully Automatic Bioinformatics Process for Maize ESTs*
P28	**Donald McCarty**	*Informatics filtering and cluster analysis of MuTAIL sequences: tools for in silico detection and confirmation of transposon tagged mutants*
P29	**Donald McCarty**	*Informatics infrastructure for performing field genetics on a genomics scale*
P30	**Trent Seigfried**	*MaizeGDB: Four Usage Cases*
P31	**Wei Zhao**	*An Update on the Comparative Maps of Maize and Rice in Gramene*

Cell Biology Posters

P32	**James Crowley**	*Study of the High Protein Trait of Maize Using the In Vitro Kernel Culture Model System*
P33	**Adela Goday**	*Interaction of the Plant Glycine-Rich RNA Binding Protein MA16 with a Novel Nucleolar DEAD Box RNA Helicase Protein from Zea mays*
P34	**Jose Gutierrez-Marcos**	*Developing Tools for the Study of Cellular Dynamics During Maize Development*
P35	**Antoine Harfouche**	*Jasmonic Acid and Ethylene Modulate the Activation of Insect Defense Signaling Pathways in Maize*

P36	**Niloufer Irani**	*Novel Regulation of Anthocyanin Pigmentation by Light*
P37	**Agredano Lourdes**	*Regulation of the Expression of TOR and S6rp Kinase in Maize (Zea mays L.)*
P38	**Wojciech Majeran**	*Comparative Proteomics of Mesophyll and Bundle Sheath Plastid Differentiation in Maize Leaves*
P39	**Georgina Ponce-Romero**	*Root Cap-Quiescent Center: A Never Ending Dialog*
P40	**Kan Wang**	*Establishment of Robust Maize Transformation Systems for the Public Sector*

Cytogenetics Posters

P41	**Evgueni Ananiev**	*Comparative Cytogenetic Map of Two Maize Inbreds: Mo17 and B73*
P42	**Lorinda Anderson**	*Recombination Rate, EST Distribution and Gene Clustering along the Physical Structure of Maize Chromosomes*
P43	**Matthew Bauer**	*Organization of Endoreduplicated Chromosomes in the Endosperm*
P44	**Daniel Grimanelli**	*Characterization of the elongate1 Mutant in Maize*
P45	**Lisa Harper**	*What is the Role of the Noncrossover Recombination Pathway in Meiosis?*
P46	**Carolyn Lawrence**	*The Behavior of Abnormal Chromosome 10 in the Monosomic Condition*
P47	**Michael Lee**	*Meiotic Recombination and Stress in Maize*
P48	**Juliana Melo**	*Maize Centromeres: Organization and Functional Adaptation in the Genetic Background of Oat*
P49	**Wojtek Pawlowski**	*Initiation of Meiosis in Maize by ameiotic1*
P50	**Stephen Stack**	*Integrating Genetic Linkage Maps with Pachytene Chromosome Structure in Maize*
P51	**Juan Vega**	*Localization of Large DNA Fragments Transferred into Maize Chromosomes by Agrobacterium Infection*
P52	**Weichang Yu**	*Chromosomal Localization of Transgenes in Maize by Fluorescence In Situ Hybridization*

Developmental Genetics Posters

P53	**Ivan Acosta**	*Dissecting the Mechanisms of Sex Determination in Maize*
P54	**Gerardo Acosta-Garcia**	*Xochiquetzal (XOC), an Arabinogalactan Protein Essential for Female Gametogenesis in Arabidopsis thaliana*
P55	**Kirstin Arthur**	*Characterization of Maize rop2 Mutant Pollen Suggests Multiple Roles for the ROP2 GTPase in Pollen Tube Development*

P56	**Linnea Bartling**	*Mapping of the Allele pt*-McClintock at a Distinct Locus From Pt1*
P57	**Philip Becraft**	*Analysis of Mu-Tagged Empty Pericarp Mutants from the UniformMu Maize Population*
P58	**Wes Bruce**	*Maize CLAVATA3-functional Ortholog*
P59	**Hector Candela-Anton**	*Genetic and Molecular Analysis of the Wavy Auricle in Blade (wab1) and Milkweed Pod (mwp) Mutants of Maize*
P60	**Heather Cartwright**	*Pangloss Genes are Required for the Asymmetric Divisions of Subsidiary Mother Cells in Maize Stomata*
P61	**Prem Chourey**	*Evidence of Programmed Cell Death and its Possible Role in the Functional Activation of Placento-Chalazal Layer in the Pedicel Tissue of Developing Maize Caryopsis through Maternal-Filial Interaction*
P62	**George Chuck**	*Microarray Analysis of the Branched Silkless Mutant of Maize and the Frizzy Panicle Mutant of Rice*
P63	**Ryan Dierking**	*Identification of Genes Associated with Root Architecture Under Water Stress in Zea mays L.*
P64	**Ana Elena Dorantes-Acosta**	*Molecular and Genetic Analysis of Mutants Causing Male Gametophytic Lethality in Arabidopsis thaliana*
P65	**Andrew Doust**	*Control of Branch Architecture in Foxtail Millet (Setaria italica)*
P66	**Andrea Eveland**	*ABA Sensing Mediates Expression of Vacuolar Invertase during Female Reproductive Development in Maize*
P67	**Diego Fajardo**	*Molecular and Genetic Analysis of rgh Endosperm Mutants*
P68	**Suneng Fu**	*Clonal Mosaic Analysis Revealed Distinct Functions of EMPTY PERICARP2 in Maize Shoot Development*
P69	**Stewart Gillmor**	*Dominant Non-Reduction Mutants of Maize*
P70	**Jose-Luis Godinez-Martinez**	*Differential Expression of the Actin Gene mac1 in the Embryo and Endosperm During Maize Seed Development*
P71	**Jose Gutierrez-Marcos**	*The Globby1-1 (glo1-1) Mutation Affects Cell Proliferation and Differentiation During Early Endosperm Development*
P72	**David Henderson**	*Ragged Seedling2 Leaves Fail to Expand Despite Retention of Adaxial/Abaxial Polarity*
P73	**Wilson Huanca-Mamani**	*INVUNCHE, An ISWI-like Chromatin Remodeling Factor Essential for Megagametogenesis and Early Seed Development in Arabidopsis thaliana*
P74	**Jiabing Ji**	*The Maize Duplicate Gene Narrow Sheath2 Encodes a Conserved Homeobox Gene Function in a Lateral Domain of Shoot Apical Meristems*
P75	**Sharon Kessler**	*Interactions Between XCL1 and KNOX Genes: A Hormonal Connection*

P76	**Katherine Krolikowski**	*Mutations in the MADS Box Genes ZMM8 and ZMM14 Are Associated with an Indeterminate Floral Apex Phenotype*
P77	**China Lunde**	*The Role of the Maize Gene, Thick Tassel Dwarf1, in Inflorescence Architecture*
P78	**Enrico Magnani**	*A Reverse Genetic Approach to Find New Members of the ERF Family of Transcription Factors Involved in Maize Inflorescence Development*
P79	**Mihaela Luiza Marton**	*The Egg Apparatus-Specific Peptide ZMEA1 From Maize is Required to Guide the Pollen Tube Towards the Female Gametophyte*
P80	**Marina Nadal**	*Corn Smut Induced Maize Genes*
P81	**Nasim Sadeghian**	*Cloning Extended auricle1, an Essential Component in Maize Leaf Development*
P82	**Stefanie Sprunck**	*Gene Expression Profiles from Isolated Egg Cells and Pro-Embryos of Wheat*
P83	**Rosalinda Tapia-Lopez**	*Analysis of the Expression Pattern and Regulation and Probably Function of AGL12, a MADS-Box Gene Involved in Development of Arabidopsis thaliana*
P84	**Pilar Tellez**	*Obtainment and Molecular Characterization of Transgenic Cuban Maize Highly Resistant to Spodoptera frugiperda Smith Attack*
P85	**Elene Valdivia**	*Beta-Expansins in Maize Pollen: Role of Zea m 1 in Development and Fertilization*
P86	**Vanessa Vernoud**	*OCL Genes Are Involved in the Determination of Kernel Size in Maize*
P87	**Cunxi Wang**	*Dynamics of Aleurone Cell Formation: The Surface Rule*
P88	**Clinton Whipple**	*Assessing the Functional Redundancy in the Maize C-Class Control of Carpel and Stamen Identity*
P89	**Katrin Woll**	*Isolation of the New Root Mutant rum1 Affected in Lateral and Seminal Root Initiation*
P90	**Michael Zanis**	*Fate and Consequence of the ZAG1/ZMM2 Gene Duplication Across the Grasses*
P91	**Andres Zurita-Silva**	*Genetic Analysis of Root Responses to Phosphate Starvation in Arabidopsis thaliana (L.) Heynh*

Epigenetics Posters

P92	**Karen Cone**	*Chromatin Genes: Discovery, Mutagenesis, and Function*
P93	**Guillermo Corona**	*Role of Chromatin Remodelling Factors During Female Gametogenesis in Arabidopsis thaliana*
P94	**Olga Danilevskaya**	*Imprinting of the Maize Endosperm Specific Gene fie1 Is Mediated by Demethylation of Maternal Complements*
P95	**Stephen Gross**	*Epigenetic Stability at the Maize pl1 Locus*

P96	**Shawn Kaeppler**	*Analysis of Tissue Culture-Induced White Cob Mutants Define Mechanisms of Epigenetic Change Induced by Stress*
P97	**Mary Ann McGill**	*RNAi-Mediated Silencing of Maize Chromatin Genes and Their Effects on Maize Transformation and Genomic Methylation*
P98	**Susan Parkinson**	*Rmr6 Functions in Paramutation and Developmental Epigenetics*
P99	**Michael Robbins**	*Ufo1 Induces Global Gene Up Regulation in Maize Pericarp*
P100	**Rajandeep Sekhon**	*Genetic and Molecular Characterization of Interaction of Different Alleles of p1 with a Dominant Epigenetic Modifier Ufo1*
P101	**Alan Smith**	*CpNpG Methylation Reduction in Plants Homozygous for the Chromomethylase Mutant Allele zmet2:m1 Is Sequence Dependent*
P102	**Nathan Springer**	*The Maize Polycomb Group Gene, Mez1, Shows Imprinted Expression Throughout Endosperm Development*
P103	**Maike Stam**	*Paramutation: Long-Range Epigenetic Interactions in Maize*
P104	**Christopher Topp**	*Centromeric RNAs are a Component of Maize Centromeric Chromatin*
P105	**Virginia Zaunbrecher**	*Allelic Effects of Maize Chromomethylase Mutants on DNA Methylation*

Genomic Structure & Synteny Posters

P106	**Hank Bass**	*Cytogenetic Mapping of Maize with Sorghum BAC FISH Probes*
P107	**John Bowers**	*High-Throughput Anchoring Of Bac-Based Physical Maps Of Maize to Sorghum, Rice And Sugarcane*
P108	**Jennifer Jaqueth**	*High-Resolution Genetic Mapping of Chromosome 1 in Maize after Ten Generations of Recurrent Intermating in the IBM Population*
P109	**Wade Odland**	*Chromosomal Relationships Defined by Repetitive Sequence Profiles*
P110	**Mary Polacco**	*IBM Neighbors -- Mutual Enhancement of Genetic and Physical Maps*
P111	**Erik Vollbrecht**	*Comparative Analysis of Ramosa1 Gene Runction in Maize, Sorghum and Rice*
P112	**Roger Wise**	*Comparative Analysis of a One-Megabase Sequence Spanning the Maize Rf1 Fertility Restorer with the Rice Genome*

Genomics Posters

P113	**Baldomero Alarcon-Zoniga**	*Integrative Genomic Analyisis in Mexican Forage Maize*

P114	**James Allen**	*Dynamic Nature of the Integration of Plastid Sequences into the Mitochondrial Genome*
P115	**Joseph Bedell**	*The Effectiveness of GeneThresher ™ Methylation Filtering Technology in Sorghum and Its Comparison to Maize*
P116	**Carletha Blanding**	*Identification of Early Expressed Genes and Genes Expressed Differently in B73 and Mo17 after UV Radiation*
P117	**Carlos Calderon-Vazquez**	*Construction of Libraries and Analysis of ESTs From a Phosphorus Efficient-Zea mays Line Grown Under Low-Phosphorus Stress*
P118	**Ed Coe**	*Integration of Genetic and Physical Data in 2,585 Contigs*
P119	**Guillermo Corona**	*EST Sequencing Efforts at CINVESTAV-Irapuato*
P120	**Jeremy Edwards**	*Polyphyletic Origins of Cultivated Rice from Pre-Differentiated Ancestors*
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