

ABSTRACTS – TALKS AND POSTER PRESENTATIONS

PLENARY TALKS

Robert Schmidt	Genes Controlling Floret and Inflorescence Development in Maize
Ingo Potrykus	Towards Nutritional Optimization of a Major Staple, Vitamins, Iron and Essential Amino Acids
Virginia Walbot	<i>Mu</i> Element Transposition: Regulation and Applications in Gene Tagging

TALKS

Fri 8:30 am

Genomics I

- 1 Cone, Karen iMap: The integrated genetic and physical map of maize
- 2 Latshaw, Susan Optimization of MuTAIL-PCR to amplify Mutator-flanking sequences in maize
- 3 Brutnell, Tom Regional Mutagenesis Utilizing Activator (Ac) in Maize
- 4 Ware, Doreen Gramene: A Resource For Comparative Grass Genomics
- 5 Chen, Mingsheng An integrated physical and genetic map of the rice genome

Fri 10:40 am

Genomics II

- 6 Feschotte, Cedric Two new families of transposases are responsible for the origin and amplification of MITEs.
- 7 Braun, David Utility and distribution of conserved noncoding sequences (CNSs) in the grasses
- 8 Wen, Tsui-Jung High-Throughput Mapping Tools For Maize Genomics
- 9 Dias, Anusha Duplication and Functional Divergence of *R2R3 Myb* Regulatory Genes in the Grasses
- 10 Jaenicke, Viviane Investigation of key genes in maize domestication from archaeological samples

Fri 3:00 pm

Maize Transgenics Workshop

- 11 Wang, Kan Agrobacterium-mediated maize transformation using standard binary vectors
- 13 Hannah, Curt Super-Modified Shrunken2 Increases Wheat and Rice Yield 38% and 28%.

14 Clough, Richard Recombinant protein expression in seed is increased in high oil and *opaque 2* germplasms.

15 Moose, Stephen Gain-of-Function Analyses of *glossy15* and its Role in Regulating Phase Change in the Leaf Epidermis

Sat 8:30 am

Reproduction

16 Valdivia, Elene Functions of the Maize Group-1 Pollen Allergen, *Zea m1*

17 Pawlowski, Wojtek Genetics of homologous chromosome pairing in maize meiosis.

18 Bantin, Joerg Maize and *Tripsacum* as model systems to compare gene expression pattern after fertilization and parthenogenesis

19 Bomblies, Kirsten The maize FLORICAULA/LEAFY homologs (ZFL1 and ZFL2) control floral identity and determinacy.

Sat 10:20 am

Gene Regulation and Function

20 Weil, Cliff *Ac* transposition and the Mre11/Rad50 complex

21 Carey, Charles Cloning of Pale Aleurone Color 1, a WD40 repeat protein regulating the anthocyanin pathway.

22 Smith, Harle Selective interaction of plant TALE homeodomain proteins mediates high DNA-binding affinity

23 Monde, Rita-Ann *Tha8*: a new factor involved in the delta-pH thylakoid protein targeting pathway.

24 Frank, Mary Three Brick Genes Function In A Common Actin-Dependent Pathway

25 Hollick, Jay Trans-silencing interactions at the purple plant locus

Sat 3:00 pm

Grass Workshop

27 Pring, Daryl Development of AFLP markers and mapping of fertility restoration genes in sorghum

28 Chopra, Surinder Analysis of transposon induced mutations in the regulator of 3-deoxyflavonoid pathway and its implication in understanding the phytoalexins synthesis in sorghum

29 Ramakrishna, Wusirika Sequence and physical map analyses of the maize and sorghum Rpl complex uncovers numerous sites and unexpected mechanisms of local rearrangement

30 Song, Rentao Mosaic Organization of Orthologous Sequences in Grass Genomes

Sat 9:00 am

Kernels and Metabolism

32 Gierl, Alfons Inspection of Maize Metabolism by NMR

33 Dermastia, Marina Cytometrical Evidence that the Loss of Seed Weight in the *miniature1* Seed Mutant of Maize is Associated with Reduced Mitotic Activity in the Developing Endosperm

- 34 Sakai, Hajime GIANT EMBRYO: A Genomic Approach To Dissect Genetic Circuits Controlling Embryo/Endosperm Size
- 35 Lid, Stein Erik The maize defective kernel 1 (*dek1*) gene encodes a membrane protein of the calpain gene super family
- 36 Gibbon, Bryan Proteomic analysis of modified opaque 2 maize endosperm

POSTER ABSTRACTS

BIOINFORMATICS

- 1 Buckler, Edward TASSEL: a software package for Trait Analysis by aSSociation, Evolutionary, and Linkage.
- 2 Fang, Zhiwei Comparative Bioinformatic Analysis of Genetic Maps From Rice and Maize
- 3 Jiang, Cizhong Phylogenetic and Computational Analysis of Myb Gene Evolution and Regulation
- 4 Moose, Stephen Evaluation of Phylogenetic Footprinting to Identify Promoter Regulatory Elements in Maize and Rice Genes
- 5 Pechanova, Olga Proteomic Analysis of Maize Rachis Tissue in *Aspergillus flavus* Resistant Inbreds
- 6 Polacco, Mary MaizeDB 2002
- 7 Rauh, Bradley Analysis of Diverse Germplasm using Microarrays
- 8 Springer, Nathan Relationships among maize (*Zea mays*) and Arabidopsis SET domain proteins
- 9 Tiffin, Peter Sequence diversity in three defense-related genes in North American inbred lines, land-races, and teosinte
- 10 Vincent, Leszek Controlled Pollinations Of Maize
- 11 Vincent, Leszek The Plant Ontologytm Consortium (POC) And Plant Ontologies

BIOCHEMICAL GENETICS

- 12 Colleoni, Christophe Insight into the roles of debranching enzymes in starch biosynthesis from carbohydrate profiling of an allelic series of *sugary1* mutants.
- 13 Cross, Joanna ADP-glucose pyrophosphorylase activity from maize-potato mosaics
- 14 Dinges, Jason Analysis of a null *zpu1* mutation indicates a role for the pullulanase-type debranching enzyme in both the synthesis and mobilization of maize starch
- 15 Frey, Monika Two glucosyltransferases are involved in detoxification of benzoxazinoids in maize

- 16 Grsic-Rausch, Slobodanka The CIF/VIF-related proteins in maize: Search for invertase inhibitor homologs
- 17 Kozaki, Akiko Identification of putative binding sites for the maize ID1 transcriptional regulator.
- 18 Licciardello, Nicholas Characterization and functional analysis of a maize cDNA encoding betacarotene hydroxylase
- 19 Miguel, Cervantes-Cervantes Characterization of the maize gene family encoding geranylgeranyl pyrophosphate synthase, a key enzyme in biosynthesis of plant isoprenoids
- 20 Park, Woong June Characterization of maize nitrilase genes and enzyme activities: implications for auxin biosynthesis
- 21 Schneerman, Martha Molecular Analysis of Zein Accumulation in the Illinois Protein Strains
- 22 Woodruff, Dana Evaluating the Growth of *Aspergillus flavus* with Flavanoids and their Derivatives

CYTOGENETICS

- 23 Golubovskaya, Inna Discovery and characterization of genes controlling meiosis in maize
- 24 Harper, Lisa A Cytogenetic Map of Maize
- 25 Kaszas, Etienne Centromere structure in intact and rearranged maize chromosomes derived from oat-maize additions lines.
- 26 Koumbaris, George 3D FISH analysis of the structure of maize chromosome 9
- 27 Lee, Michael Increased Recombination After Water-Deficit Stress In Maize
- 28 Mroczek, Rebecca Cytogenetic Analysis Of The Distribution Of Gypsy- And Copia-Like Retroelements In Maize.
- 29 Stack, Stephen Crossing over on maize chromosomes is related to the pattern of synapsis and the distribution of early recombination nodules
- 30 Weber, Gerd Frequency and physical localization of the major repetitive DNA sequences in maize

CYTOPLASMIC INHERITANCE

- 31 Chourey, Prem Gene expression analyses during pollen maturation in S-cytoplasmic male-sterile (S-CMS) and -fertile genotypes in Maize.

DEVELOPMENTAL GENETICS

- 32 Al, Reinoldus H. Maize endosperm development; aleurone organization. Three allelic mutant lines with disorganized aleurone layers.
- 33 Arthur, Kirstin The Rho GTPase RopB and Maize Pollen Function.

- 34 Barrell, Philippa A screen for non-reduction mutants in maize
- 35 Betz, Stephanie Chimeric mitochondrial open reading frames unique to cms-S maize and their hypothetical role in pollen collapse
- 36 Bommert, Peter Molecular cloning and characterization of CLAVATA1-like genes from *Zea mays*
- 37 Cartwright, Heather The Brick and Pangloss Genes Affect the Polarized, Asymmetric Divisions of the Stomatal Complex
- 38 Chuck, George The control of spikelet meristem identity by the branched silkless1 gene, a new member of the maize AP2 gene family
- 39 Colasanti, Joe Loss of indeterminate1 gene function affects leaf cell structure
- 40 Costa, Liliana The globby (glb) mutation affects early kernel development
- 41 Deleu, Wim The maize MADS-box gene ZMM6 distinguishes between the sessile and pedicellate spikelet and affects inflorescence branching.
- 42 Dorweiler, Jane *Mediator of Paramutation2-1* mutation perturbs normal development and disrupts transgene silencing
- 43 Fellner, Martin Tolerance of neighbor proximity in corn may involve light- and auxin-regulated development of leaf angle
- 44 Hay, Angela Characterization of the dominant mutation Wavy Auricle in Blade (Wab)
- 45 Henderson, David ragged seedling*2 affects medio-lateral and dorsiventral patterning in maize leaves
- 46 Hochholdinger, Frank Comparative proteomic analysis of lateral root initiation in maize
- 47 Inada, Noriko Morphological characterization of maize coleoptile mutant lco1-R
- 48 Ji, Jiabing NARROW SHEATH 2 is a NITRILASE 4 ñ like protein required for the recruitment of a lateral domain in the maize leaf
- 49 Juarez, Michelle Adaxial/Abaxial polarity specification in Maize leaf development
- 50 Kaplinsky, Nicholas Combinatorial control of meristem identity in the maize inflorescence.
- 51 Kessler, Sharon Xcl1 causes delayed periclinal cell divisions in developing maize leaves leading to cellular differentiation by lineage instead of position.
- 52 Kladnik, Ales Three-Dimensional Model Of Maize Endosperm
- 53 Lauter, Nick Developmental and genetic analyses of macrohair initiation

- in maize
- 54 Lee, Michael Genetic Analysis of Totipotency in Maize
 - 55 Lee, Michael Photoperiod Response and Two Genetic Pathways for Flowering in Maize
 - 56 Lisch, Damon Phenotypic effects of the mop1 mutation
 - 57 Ma, Zhengrong A mutation in chloroplast ribosomal protein S9 leads to embryo lethality in maize
 - 58 Mcsteen, Paula Expression profiling of maize inflorescence development
 - 59 Nardmann, Judith The maize homeobox gene MOM1 is expressed at the margins of growing coleoptile and leaf
 - 60 Osmont, Karen The genetic network controlling leaf development in maize: new and old players
 - 61 Pennington, Paul
Douglas Imprinting in the Maize Endosperm
 - 62 Phelps-Durr, Tara Maintenance of Gene Silencing by the rs2 Gene in Maize
 - 63 Satoh, Namiko The SHOOTLESS2 gene is involved in both the initiation and maintenance of the shoot apical meristem in rice.
 - 64 Scanlon, Michael empty pericarp2 encodes a negative regulator of the heat shock response and is required for early stages of embryo development.
 - 65 Schreiber, Daniela N. The ZmMADS2-Transcription Factor Gene is Involved in Anther and Pollen Maturation
 - 66 Suzuki, Masaharu Shoot apical meristem mutants of maize embryo; application of Uniform Mu population.
 - 67 Tracy, Bill Altered timing of vegetative phase change and response to Puccinia sorghi
 - 68 Turbeville, Christopher Characterization of *Developmental Disaster 1 (Dvd1)*, a dominant mutation with reduced inflorescence branching and a pleiotropic disruption of vegetative development.
 - 69 Tyers, Randall A recessive allele of *rs1* suppresses the leaf phenotype of the *rs2* mutant.
 - 70 Vollbrecht, Erik Molecular and evolutionary analysis of *ramosa1* in inflorescence architecture
 - 71 Whipple, Clinton Conservation of B-class Gene Function Across 120 Million Years of Angiosperm Evolution
 - 72 Wierzba, Michael Identification Of Proteins Involved In Zein mRNA Trafficking In *Zea mays*
 - 73 Wisniewski, Jean-Pierre Two novel genes specifically expressed in the embryo sac and the basal endosperm transfer layer of maize

74 Yamawaki, Tracy Efforts to Clone Ramosa2

GENOME STRUCTURE/ SYNTENY

- 75 Bowers, John High Throughput Placement Of Overgo Markers On Bac Libraries Of Maize And 3 Other Grass Species
- 76 Carson, Chris Genetic Mapping of Maize Mutants with SSR Markers
- 77 Daviere, Jean-Michel Rp1 -a complex disease resistance locus in maize.
- 78 Davis, Georgia A High-Resolution Maize Map Based on a Randomly Interated B73 x Mo17 Population.
- 79 Doebley, John The origin and structure of genetic diversity in maize as revealed by multilocus microsatellite genotyping
- 80 Elumalai, Rangasamy cDNA Microarrays for Maize Gene Discovery
- 81 Gardiner, Jack An Integrated Map for Maize
- 82 Ilic, Katica Structural evolution of an orthologous region in maize, sorghum and rice
- 83 Lai, Jinsheng Genomic organization and expression pattern of the duplicate factors Zmfie1 and Zmfie2 in maize
- 84 Ma, Jianxin Genic rearrangements of Wx1 homologous regions in barley, maize, pearl millet, rice, sorghum and diploid wheat revealed by comparative sequence analysis
- 85 Musket, Theresa IBM Maize Community Resources
- 86 Okagaki, Ron Low and Medium Resolution Radiation Hybrid Maps for Maize Chromosomes 2 and 9
- 87 Paterson, Andrew Sorghum and its value to the maize community.
- 88 Rabinowicz, Pablo D. Maize And Sorghum Gene-Targeted Sequencing And Microarray Analysis
- 89 Sheehan, Moira J. Characterization of the phytochrome gene family in Zea mays cv B73
- 90 Song, Rentao Sequence analysis of the chromosomal regions containing all members of the maize alpha zein multigene family
- 91 Vaudin, Mark A comparison of maize gene recovery from genomic sequence obtained from the undermethylated fraction of the maize genome vs. that obtained from whole BAC sequencing.
- 92 Vroh Bi, Irie Single nucleotide polymorphism discovery and mapping in maize.
- 93 Yim, Young-Sun Characterization and physical mapping of maize BAC libraries using high density BAC filter hybridization
- 94 Yim, Young-Sun A BAC pooling strategy: powerful tool for the maize integrated genetic and physical map construction.

- 95 Yuan, Yinan New and Old Approaches to Selective Sequence Analysis of Gene-Containing Regions of the Maize Genome

MOLECULAR GENETICS

- 96 Andaluz, Sandra Analysis of Maize Inflorescent Genes Using Association Studies
- 97 Beckert, Michel Molecular analysis of maize lines involved in in vitro or in vivo double haploids production
- 98 Bodempudi, Vidya Tubulin gene knockouts in maize
- 99 Cahoon, A. Bruce Evaluation of BMS cells as a model system to study organellar gene regulation
- 100 Casacuberta, Josep MARK, A Maize Atypical Receptor-Like Kinase Expressed During Embryogenesis And In The Meristems Of The Adult Plant, Interacts With MIK a New GCK/SPS1 Kinase
- 101 Casati, Paula Gene Expression Profiling after Decreased and Supplemental Ultraviolet Radiation in maize genotypes with varying amounts of flavonoids.
- 102 Clemente, Tom Agrobacterium-mediated transformation of maize
- 103 Dang, Diana Allele frequencies in fall armyworm populations
- 104 Gallagher, Cynthia Characterization of gene families encoding enzymes for carotenoid and isoprenoid biosynthesis in maize.
- 105 Goettel, Wolfgang Paramutagenicity of the p1 locus is correlated with enhancer element copy number
- 106 Gomez, Elisa Identification of compartment specific genes in the maize kernel
- 107 Guo, Mei Epigenetic Silencing and Heterosis in Maize
- 108 Guo, Mei Environmental Stress Influences Allele-Specific Gene Expression and Yield Heterosis in Maize
- 109 Harris, Linda Functional Genomics of the *Zea mays*/Fusarium graminearum Interaction
- 110 Hernandez, Julia
Marcela Coactivator dependent and independent transcription of flavonoid genes.
- 111 Huang, Li-Fen Emerging Spectrum of Mu-Tagged Seed Mutants Derived from UniformMu Maize
- 112 Hueros, Gregorio Precise and Efficient Genetic Improvement of Cereal Seeds (SeedDesign)
- 113 Hueros, Gregorio Searching for the ZmMRP-1 target sequence in the promoter of BETL-1
- 114 Kamps, Terry L. PCR Based Molecular Markers Distinguish Chloroplast and Mitochondrial Genomes between maize and *Tripsacum*

- 115 Kim, Cheol Soo Zein protein interactions rather than asymmetric distribution of zein mRNAs on ER membranes influence protein body formation in maize endosperm
- 116 Lavin, Teresa Mutants of maize with reduced seed expression have multiple phenotypes
- 117 Lawrence, Carolyn Functional characterization of plant I-type kinesins
- 118 Li, Jin RAD51 is required for chromosome segregation but not for chromosome pairing or cell viability in maize
- 119 Lin, Yan Mutations Preventing Paramutation Activate a Transcriptionally Silent Transgene
- 120 Marian, Calin Identification of a telomere DNA binding protein in maize
- 121 Martin, Annette Transcriptional regulation of DIMBOA biosynthesis in maize
- 122 Mikkilineni, Venugopal Gene Discovery in Maize using Serial Analysis of Gene Expression.
- 123 Muszynski, Michael Maize FIE (Fertilization Independent Endosperm) Homologues: Two Related Genes with Distinct Expression Patterns.
- 124 Niu, Xiping Maize PCNA Gene Expression is Regulated by both PCF and Tb1 Transcription Factors
- 125 Owusu, E. Owusuwaa TLKs: nuclear kinases with possible roles in chromatin remodeling.
- 126 Pryor, Tony *mis1* ñ A Rust Inducible Gene In Maize
- 127 Ream, Thomas Studies on the molecular basis of heterosis
- 128 Reinders, Jon SNP Marker Development using SAGE Unigene Tag Libraries (SUTL) in Maize
- 129 Rhee, Yong A tissue culture-induced *c2* white cob maize mutant is caused by a palindromic insertion sequence with an 8 base pair direct duplication
- 130 Scott, Paul A wheat DNA fragment exhibits reduced pollen transmission in transgenic maize
- 131 Segal, Gregorio Expression of α -zein promoters in transgenic maize
- 132 Settles, Mark Functional Genomics of Endosperm Development in Maize
- 133 Sidorenko, Lyudmila Maintenance of *p1* paramutation is not affected by the *mop1* mutation
- 134 Sidorenko, Lyudmila Searching for the source of paramutagenicity in the *p1* gene enhancer: enhancer subfragments induce two novel silenced phenotypes
- 135 Skibbe, David Determination of the physiologically significant substrate of RF2A in fertility restoration

- 136 Stam, Maïke A transcriptional enhancer and sequences required for b1 paramutation co-localize in a region ~100 kb upstream of the b1 transcription start site
- 137 Tenaillon, Maud Diversity and Recombination along chromosome 1 of maize
- 138 Theodoris, George Toward a function for rough sheath2 at the cellular level
- 139 Tossberg, John Herbicide Target Discovery: A Model for Functional Genomics.
- 140 Vigouroux, Yves A Diversity Map of the Maize Genome using Microsatellites
- 141 Vincent, Delphine Proteomic analysis of response to drought in growing maize leaves
- 142 Walbot, Virginia Maize EST Sequence Analysis
- 143 Wan, Yuechun Effect of GFP expression in Transformation Efficiency of Maize
- 144 Wang, Kan Expression and Immunogenicity of a Synthetic E. coli Heat Labile Enterotoxin B Sub-unit (LT-B) as a model vaccine in Maize
- 145 Whitt, Sherry Genetic diversity and selection in the maize starch pathway
- 146 Wise, Roger Nuclear-Directed Modification Of Mitochondrial Transcripts In *cms-T*maize
- 147 Xue, Song Phenotypic Analysis of Mu-Tagged Small Kernel and Defective Kernel Mutants Derived from UniformMu Maize
- 148 Yandeu, Marna Genotype-specific *trans*-acting Factors Influence the Rates of Meiotic Recombination and Distribution of Recombination Breakpoints in the 140-kb *al-sh2* Interval
- 149 Yao, Hong *Cis*-effects on Meiotic Recombination across Distinct *al-sh2* Intervals in a Common Genetic Background
- 150 Zhang, Feng Novel structure of the maize P1-rw (red pericarp, white cob) allele
- 151 Zhong, Cathy Using Chromatin Immunoprecipitation (ChIP) to identify putative functional centromere sequences in maize

QUANTITATIVE TRAITS

- 152 Baumgarten, Andrew Investigating the durability of *Ustilago maydis* resistance in *Zea mays*
- 153 Clark, Richard Functional and molecular characterization of selection at the maize domestication locus teosinte branched 1 (*tb1*)
- 154 Cortes-Cruz, Moises Quantitative Trait Locus Analysis of C-glycosyl Flavone Type un Maize Silks
- 155 Costich, Denise E. Variation in seedling photomorphogenesis among maize

- inbred lines
- 156 Ernst, Cynthia Identification of a major QTL affecting oil concentration in maize
- 157 Flint-Garcia, Sherry Phenotypic and Marker-assisted Selection for Stalk Strength and Second-generation European Corn Borer Resistance
- 158 Frost, Jenelle Marker-assisted-selection for aflatoxin reduction in maize
- 159 Gordon, Stuart Mapping *Cercospora zea-maydis* resistance QTLs across multiple environments
- 160 Lee, Michael Genetic Analysis Of Maize Ear Length
- 161 Liu, Danny Associations between *Glossy15* polymorphisms and variation in juvenile leaf number
- 162 Lusteck, Robert Phytoliths as a Tool for Identifying Maize Lineages Archaeologically
- 163 Magbanua, Zenaida V. Maize Resistance to *Aspergillus flavus* is Correlated to High Catalase Activity
- 164 Möller, Evelyn M. Genomics of Chilling Tolerance in Maize
- 165 Penning, Bryan Using QTL analysis to study the effect of genetic background on a disease lesion mimic in maize
- 166 Pressoir, Gael Population structure and strong divergent selection shape phenotypic evolution in maize landraces
- 167 Schultz, Jennifer A. Searching for sugary enhancer1 (se1) óa Near-Isogenic Approach
- 168 Soto, Jennifer Protein Differences Between Lepidopteran Resistant and Susceptible Maize
- 169 Thompson, Robert TGA1, Silica Deposition, and the Archaeology of Maize
- 170 Thornsberry, Jeffrey Analysis of putative maize flowering time genes using association tests.
- 171 Tietze, Claudia Genomics of Nitrogen Use Efficiency in Maize
- 172 Wilson, Larissa Associations for starch content and pasting properties in diverse maize inbreds

TRANSPOSABLE ELEMENTS

- 173 Chomet, Paul Regional Mutagenesis Utilizing Ac in Maize
- 174 Feschotte, Cedric Mariner-like transposases are widespread in flowering plants and are responsible for the amplification of Stowaway-like MITES
- 175 Han, Chang-Deok Transposon, Ac/Ds, -Mediated Gene Trap Systems For Functional Genomics In Rice
- 176 Jiang, Ning Dasheng and RIRE2: a novel non-autonomous LTR

- element and a candidate autonomous partner in rice
- 177 Kim, Soo-Hwan Insensitivity of Maize Mutator Transposon Activities to Endogenous and Transgene-Encoded Antisense RNA
- 178 Koenig, Daniel Analysis of RescueMu Germinal Insertions
- 179 Komatsu, Mai KARMA, a novel LINE-type retrotransposon activated by tissue culture in rice
- 180 Kwon, Soojin Molecular mapping in a japonica/japonica recombination inbred population of rice
- 181 Lisch, Damon Epigenetic Regulation of MuDR Activity
- 182 May, Bruce Maize Targeted Mutagenesis: progress in maize gene knockouts
- 183 Nagel, Alexander Mapping of 225 MITE markers from 5 different families in rice
- 184 Peterson, Thomas Unconventional transposition during DNA replication can generate complex chromosome rearrangements
- 185 Rudenko, George Initiation of silencing of the MuDR/Mu transposon family
- 186 Rudenko, George Towards identification of the transposase responsible for MuDR/Mu element insertion
- 187 Schneider, Bret Efficient Recovery and Sequencing of *RescueMu* Maize Genomic Clones
- 188 Singh, Manjit Generation of allelic diversity at the pink scutellum1 locus through Ac insertional mutagenesis
- 189 Tanurdzic, Milos Retroarrays - Microarray Analysis Of LTR Retrotransposons From The Maize Genome
- 190 Walbot, Virginia RescueMu-tagging grids - what are they and how to make use of them for your own research?
- 191 Yu, Jianhua DNA repair of *Ac/Ds* excision sites in the yeast *Saccharomyces cerevisiae*
- 192 Zhang, Xiaoyu PIF-like elements are widespread and associated with Tourist-like MITEs.