Throughout this PROGRAM, the numbers next to abstracts refer to abstract numbers, not the page number in the ABSTRACT part of this book.

SESSION OVERVIEW

WEDNESDAY, JUNE 15, 2005
8:00 - 9:30 pm  SESSION A: Cell Biology

THURSDAY, JUNE 16, 2005
9:00 - 10:30 am  SESSION B: Cell Signaling
11:00 - 12:30 pm  SESSION C: Development 1 - Flower, Fertilization, Fruit, and Seed
2:00 - 3:30 pm  SESSION D: Development 2 - Shoot and Root
4:00 - 5:30 pm  SESSION E: Metabolism
7:00 - 12:00 am  POSTER SESSION I

FRIDAY, JUNE 17, 2005
9:00 - 10:30 am  SESSION F: ’omics
11:00 - 12:30 pm  SESSION G: Interaction with the Environment 1 - Abiotic
2:00 - 3:30 pm  SESSION H: Interaction with the Environment 2 - Biotic
7:00 - 12:00 am  POSTER SESSION II

SATURDAY, JUNE 18, 2005
9:00 - 10:30 am  SESSION I: Genetic and Epigenetic Mechanisms
9:00 am - 12:30 pm  AGA SESSION 1: Evolution and Development
11:00 - 12:30 pm  SESSION J: Novel Tools, Techniques and Resources
2:00 - 5:30 pm  SESSION K (Joint with AGA Session 2): Evolutionary Biology
8:00 - 12:00 am  POSTER SESSION III

SUNDAY, JUNE 19, 2005
9:00 - 10:30 am  SESSION L: 2010
9:00 am - 12:30 pm  AGA SESSION 3: Quantitative Genetics
11:00 - 12:30 pm  SESSION M: NAASC Choices

Meeting Organizers:

Members of the North American Arabidopsis Steering Committee (NAASC) are serving as the program committee for the 2005 meeting.

Philip Benfey, Duke University
Brenda winkel-shirley, Virginia Tech
Greg copenhaver, University of north Carolina, Chapel Hill
Rob McClung, Dartmouth College
Judith Bender, Johns Hopkins University
Xing-Wang Deng, Yale University
Bonnie Bartel, Rice University, Houston, Texas
Eric Richards, Washington University, St. Louis

Isabell Witt, coordinator for NAASC

The 2005 AGA Symposium, Plant Evolution: Genes and Phenotypes is being organized by John Doebley, 2005 President of the AGA.
PROGRAM OVERVIEW

Poster schedule

All posters will remain up for the entire meeting and can be set up Thursday morning beginning at 7 AM. There will be three poster sessions, one Thursday evening, one Friday evening and one Saturday evening. To determine when you should stand next to your poster:

Find your abstract in this book: your poster number is the number it is assigned in this book, NOT the number it was assigned when you originally submitted it.

All posters with EVEN numbers will be presented on Thursday evening.
All posters with ODD numbers will be presented on Friday evening.

Saturday evening’s poster session will be a “free-for-all” – plenty of time to look at all posters, or stand by your own if you need more time for discussion.

Wednesday, June 15, 2005

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 noon – 7:00 pm</td>
<td>Registration</td>
<td>Main Lounge</td>
</tr>
<tr>
<td>4:00 - 5:30 pm</td>
<td>WORKSHOPS I</td>
<td>Union Theater</td>
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<td></td>
<td><strong>Chair: Rob McClung</strong></td>
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<tr>
<td></td>
<td><strong>Molecular Analysis of the Circadian Clock Mechanism</strong></td>
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<tr>
<td>5:30 - 7:00 pm</td>
<td>Dinner</td>
<td>Tripp Commons</td>
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<tr>
<td>7:00 - 8:00 pm</td>
<td>KEYNOTE ADDRESS</td>
<td>Union Theater</td>
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<tr>
<td></td>
<td><strong>Chris Somerville (Carnegie/Stanford)</strong></td>
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<td></td>
<td><strong>Energizing Arabidopsis</strong></td>
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<tr>
<td>8:00 - 9:30 pm</td>
<td>SESSION A:</td>
<td>Union Theater</td>
</tr>
<tr>
<td>8:00 pm</td>
<td><strong>Kathy Osteryoung, Michigan State University, Session Chair</strong></td>
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<tr>
<td></td>
<td>Composition and analysis of the chloroplast division machinery</td>
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<tr>
<td>8:25 pm</td>
<td><strong>Marisa Otegui, University of Wisconsin</strong></td>
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<td></td>
<td>Prevacuolar compartments as proteolytic processing stations for storage proteins in Arabidopsis</td>
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<tr>
<td>8:50 pm</td>
<td><strong>Tomasz Paciorek, ZMBP Tuebingen, Germany</strong></td>
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<td></td>
<td>Auxin inhibits endocytosis and promotes its own efflux from cells</td>
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<tr>
<td>9:10 pm</td>
<td><strong>Rajagopal Balasubramanian, Clemson University</strong></td>
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<tr>
<td></td>
<td>A Role for the Actin Cytoskeleton in Hexokinase Mediated Glucose</td>
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<td></td>
<td>Signaling</td>
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### Thursday, June 16, 2005

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 am – all day</td>
<td><strong>Poster set-up</strong>&lt;br&gt;Great Hall/Reception Room (4th floor)&lt;br&gt;Posters of Orals (not including Session Chairs) (#1 – 60)&lt;br&gt;2010 (#61 – 74)&lt;br&gt;Cell Biology (#75 – 134)&lt;br&gt;Cell Signaling (#135 – 203)&lt;br&gt;Databases and Community Resources (#204 – 216)&lt;br&gt;Development 1: Flower, Fertilization, Fruit, &amp; Seed (#217 – 308)&lt;br&gt;Late Submitted Abstracts: (#660 – 672)&lt;br&gt;Old Madison/Beefeaters Room (3rd floor)&lt;br&gt;Development 2: Shoot and Root (#309 – 388)&lt;br&gt;Evolution and Development (AGA) (#389 – 397)&lt;br&gt;Evolutionary Biology (#398 – 412)&lt;br&gt;Tripp Commons (2nd floor)&lt;br&gt;Genetic and Epigenetic Mechanisms (#413 – 449)&lt;br&gt;Interaction with the Environment 1: Abiotic (#450 – 524)&lt;br&gt;Interaction with the Environment 2: Biotic (#525 – 564)&lt;br&gt;Main Lounge (2nd floor)&lt;br&gt;Interaction with the Environment 2: Biotic (#565 – 582)&lt;br&gt;Metabolism (583 – 618)&lt;br&gt;Novel Tools Techniques and Resources (#619 – 645)&lt;br&gt;Proteomics (#646 – 652)&lt;br&gt;Quantitative Genetics (AGA) (#653 – 659)</td>
</tr>
<tr>
<td>7:00 am - 8:00 pm</td>
<td><strong>Registration Continues</strong>&lt;br&gt;Annex Room</td>
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<tr>
<td>7:45 - 9:00 am</td>
<td><strong>Breakfast</strong>&lt;br&gt;Tripp Commons</td>
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<tr>
<td>8:50 - 9:00 am</td>
<td><strong>Welcome and Announcements</strong>&lt;br&gt;Union Theater</td>
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<tr>
<td>9:00 - 10:30 am</td>
<td><strong>SESSION B:</strong>&lt;br&gt;Cell Signaling&lt;br&gt;Sally Assmann, Penn State University, Session Chair&lt;br&gt;Signaling by heterotrimeric and extra-large G proteins in <em>Arabidopsis</em>&lt;br&gt;ABA responses&lt;br&gt;Kiyotaka Okada, Kyoto University, Japan&lt;br&gt;Axis -dependent gene expression in the lateral organ formation&lt;br&gt;Li-Sen Young, University of Wisconsin-Madison&lt;br&gt;A Mutation in the <em>Arabidopsis</em> ADK1 Gene Affects Root Gravitropism, Columella Morphogenesis and Lateral Auxin Transport Across the Root Tip&lt;br&gt;Heather Shearer, McMaster University, Canada&lt;br&gt;A lipid transfer protein-like protein, DIR1, is involved in long distance signaling during the development of systemic acquired resistance&lt;br&gt;Lynn Hartweck, University of Minnesota&lt;br&gt;Identification of O-GlcNAc modification of proteins in several signaling pathways</td>
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<td>10:30 - 11:00 am</td>
<td><strong>Refreshment Break</strong>&lt;br&gt;Union Theater Lobby</td>
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<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Institution</th>
<th>Title/Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 am</td>
<td>SESSION C:</td>
<td>Rick Amasino, University of Wisconsin</td>
<td>Session Chair Regulate of Flowering Time and the role of Vernalization</td>
</tr>
<tr>
<td>11:25 am</td>
<td>George Coupland, Max-Planck Institute</td>
<td>Max-Planck Institute for Breeding Research</td>
<td>Control of flowering by day length in <em>Arabidopsis</em></td>
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<tr>
<td>11:50 am</td>
<td>Michitaka Notaguchi, Kyoto University,</td>
<td>Japan</td>
<td>Studies on the graft-transmissibility of promotion of flowering by FT in</td>
</tr>
<tr>
<td></td>
<td>Japan</td>
<td></td>
<td><em>Arabidopsis</em></td>
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<tr>
<td>12:03 pm</td>
<td>Melinka A. Butenko</td>
<td>INFLORESCENCE DEFICIENT IN ABSCISSION</td>
<td>Controls Floral Organ Abscission in <em>Arabidopsis</em></td>
</tr>
<tr>
<td>12:16 pm</td>
<td>Moritz Nowack, Max-Planck-Institute</td>
<td>Germany</td>
<td>A novel positive signal from the fertilization of the egg cell sets off</td>
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<td></td>
<td>for Breeding Research</td>
<td></td>
<td>endosperm proliferation in angiosperm embryogenesis</td>
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<tr>
<td>12:30 pm</td>
<td>Lunch</td>
<td>Tripp Commons</td>
<td></td>
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<tr>
<td>2:00 pm</td>
<td>SESSION D:</td>
<td>Gerd Jürgens, ZMBP University of Tuebingen</td>
<td>Development 2 - shoot and root From embryogenesis to the vegetative plant</td>
</tr>
<tr>
<td>2:25 pm</td>
<td>Doris Wagner, University of Pennsylvania</td>
<td></td>
<td>Two tales of meristems</td>
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<tr>
<td>2:50 pm</td>
<td>Masahiko Furutani, Nara Institute of</td>
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<td>The MACCHI-BOU genes regulate organogenesis together with PINOID</td>
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<td></td>
<td>Science and Technology (NAIST), Japan</td>
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<tr>
<td>3:03 pm</td>
<td>Dana MacGregor, University of Chicago</td>
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<td>Phosphatidylinositol signaling is involved in the regulation of root</td>
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<td></td>
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<td>system architecture</td>
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<td>3:16 pm</td>
<td>John Chandler, University of Cologne,</td>
<td></td>
<td>DRN and DRN-LIKE of <em>Arabidopsis</em> redundantly control early embryonic</td>
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<td></td>
<td>Germany</td>
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<td>patterning through interactions with class III HD-ZIP proteins</td>
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<tr>
<td>3:30 pm</td>
<td>Refreshment Break</td>
<td>Union Theater Lobby</td>
<td></td>
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<tr>
<td>4:00 pm</td>
<td>SESSION E:</td>
<td>Alison Smith, John Innes Centre United</td>
<td>Metabolism</td>
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<td></td>
<td></td>
<td>Kingdom, Session Chair</td>
<td>Shedding light on metabolism in the dark</td>
</tr>
<tr>
<td>4:25 pm</td>
<td>Jorge Vivanco, Colorado State University</td>
<td></td>
<td>Root Exudation of Antimicrobials Mediates Pathogen Resistance in <em>Arabidopsis</em></td>
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<tr>
<td>4:50 pm</td>
<td>Joost Keurentjes, Wageningen University</td>
<td></td>
<td>High throughput metabolomics for the construction of regulatory networks for</td>
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<td></td>
<td>- Dep. of Genetics, The Netherlands</td>
<td></td>
<td>plant metabolism</td>
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<tr>
<td>5:03 pm</td>
<td>Peter Eastmond, University of York,</td>
<td></td>
<td><em>Arabidopsis</em> mutants that are defective in seed storage reserve deposition</td>
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<td></td>
<td>United Kingdom</td>
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<td>and mobilization: RDM1 encodes the triacylglycerol lipase that catalyses the</td>
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<td>first step in storage oil breakdown</td>
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</tbody>
</table>
5:16 pm

**Indrani Mukherjee, University Of South Carolina**
The FRO3 ferric reductase plays a vital role in iron homeostasis in *Arabidopsis*

5:30 - 7:00 pm

**Dinner**

**Tripp Commons**

7:00 - 12:00 am

**POSTER SESSION I**

See Below Locations

Please present (stand by) your poster if your abstract number in this book is EVEN

**Great Hall/Reception Room (4th floor)**
- Posters of Orals (not including Session Chairs) (#1 – 60)
- 2010 (#61 – 74)
- Cell Biology (#75 – 134)
- Cell Signaling (#135 – 203)
- Databases and Community Resources (#204 – 216)
- Development 1: Flower, Fertilization, Fruit, & Seed (#217 – 308)
- Late Submitted Abstracts: (#660 – 672)

**Old Madison/Beefeaters Room (3rd floor)**
- Development 2: Shoot and Root (#309 – 388)
- Evolution and Development (AGA) (#389 – 397)
- Evolutionary Biology (#398 – 412)

**Tripp Commons (2nd floor)**
- Genetic and Epigenetic Mechanisms (#413 – 449)
- Interaction with the Environment 1: Abiotic (#450 – 524)
- Interaction with the Environment 2: Biotic (#525 – 564)

**Main Lounge (2nd floor)**
- Interaction with the Environment 2: Biotic (#565 – 582)
- Metabolism (583 – 618)
- Novel Tools Techniques and Resources (#619 – 645)
- Proteomics (#646 – 652)
- Quantitative Genetics (AGA) (#653 – 659)

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**Friday, June 17, 2005**

7:45 - 9:00 am

**Breakfast**

**Tripp Commons**

9:00 - 10:30 am

**SESSION F: Genomics**

**Union Theater**

9:00 am

**Natasha Raikhel, University of California Riverside, Session Chair**
Exploring Chemical Space in the Plant World

9:30 am

**Sigrun Reumann, Albrecht-von-Haller-Institute for Plant Sciences, Germany**
Studying Novel Plant Peroxisomal Functions by Bioinformatics and Proteomics

9:50 am

**Moshe Reuveni, ARO, Volcani center, Israel**
Studying the plant vacuolar ATPase function through hybrid plant-yeast V-ATPases

10:10 am

**Linda Walling, University of California**
LAPs and DAPs: N-terminal Modifying Enzymes of *Arabidopsis thaliana*
<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Workshop</th>
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</thead>
<tbody>
<tr>
<td>10:30 - 11:00 am</td>
<td>Refreshment Break Union Theater Lobby</td>
</tr>
</tbody>
</table>
| 11:00 - 12:30 pm | SESSION G: 
**Interaction with the Environment 1 - abiotic**                          |
| 11:00 am      | **Rob McClung, Dartmouth College, Session Chair** 
Abiotic Interactions with the Environment                                         |
| 11:25 am      | **Steve Kay, The Scripps Research Institute** 
Clocks, photoreceptors and photoperiodism                                          |
| 11:50 am      | **David Salt, Purdue University** 
Mapping the *Arabidopsis* ionome                                                   |
| 12:03 pm      | **Triin Kollist, University of Tartu, Estonia** 
What can we learn by monitoring rapid O3-induced guard cell responses in *Arabidopsis*? |
| 12:16 pm      | **Stefanie Maruhnich, University of Florida** 
Two Visual Cycle Homologs, Ccd8/Max4 and a Putative Short-Chain 
Dehydrogenase/Reductase, are Required for Normal Green Light Responses in *Arabidopsis thaliana* |
| 12:30 - 2:00 pm | Lunch Tripp Commons                                                              |
| 2:00 - 3:30 pm | SESSION H: 
**Interaction with the Environment 2 - biotic**                              |
| 2:00 pm       | **Barbara Ann Halkier, RVAU Denmark, Session Chair** 
The potential of engineering natural products to improve disease resistance in *Arabidopsis thaliana* |
| 2:25 pm       | **Jane Glazebrook, University of Minnesota** 
A Functional Genomics Approach to Disease Resistance Signaling                     |
| 2:50 pm       | **Adam Bahrami, Harvard University** 
Pseudomonas syringae manipulates systemic plant defenses against pathogens and herbivores |
| 3:10 pm       | **Remco Van Poecke, University of Minnesota** 
Efficient discovery of regulatory loci in plant defense by exploitation of natural variation |
| 3:30 - 4:00 pm | Refreshment Break Union Theater Lobby                                            |
| 4:00 - 5:30 pm | WORKSHOPS II (Concurrent) 
(a) Natural Variation and Comparative Genomics 
*Tom Mitchell-Olds* 
(b) Getting Databases Talking: Mechanisms to Facilitate 
Data Integration and Data Mining across the *Arabidopsis* Community 
*Christopher Town and Heiko Schoof* |
| 5:30 - 7:00 pm | Dinner Tripp Commons                                                             |
7:00 - 8:30 pm  TAIR Introductory Workshop: including info on stock ordering, registration  3650 Humanities

7:00 - 8:30 pm  TAIR: Workshop on Microarray Data/Go Annotations  1111 Humanities

7:00 - 12:00 am  POSTER SESSION II  See Below Locations

Please present (stand by) your poster if your abstract number in this book is ODD

Great Hall/Reception Room (4th floor)
- Posters of Orals (not including Session Chairs) (#1 – 60)
- 2010 (#61 – 74)
- Cell Biology (#75 – 134)
- Cell Signaling (#135 – 203)
- Databases and Community Resources (#204 – 216)
- Development 1: Flower, Fertilization, Fruit, & Seed (#217 – 308)
- Late Submitted Abstracts: (#660 – 672)

Old Madison/Beefeaters Room (3rd floor)
- Development 2: Shoot and Root (#309 – 388)
- Evolution and Development (AGA) (#389 – 397)
- Evolutionary Biology (#398 – 412)

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- Genetic and Epigenetic Mechanisms (#413 – 449)
- Interaction with the Environment 1: Abiotic (#450 – 524)
- Interaction with the Environment 2: Biotic (#525 – 564)

Main Lounge (2nd floor)
- Interaction with the Environment 2: Biotic (#565 – 582)
- Metabolism (583 – 618)
- Novel Tools Techniques and Resources (#619 – 645)
- Proteomics (#646 – 652)
- Quantitative Genetics (AGA) (#653 – 659)

Saturday, June 18, 2005

7:00am – 8:00 pm  AGA Registration  Annex Room

7:45 - 9:00 am  Breakfast  Tripp Commons

9:00 - 10:30 am  SESSION I:  Union Theater
Genetic and epigenetic mechanisms

9:00 am  Daphne Preuss, University of Chicago, Session Chair
Genetic and Epigenetic Mechanisms

9:25 am  Craig Pikaard, University of Washington
Role of RNA polymerase IV in siRNA-mediated DNA methylation and heterochromatin formation

9:50 am  Dmitry Belostotsky, State University of New York at Albany
Mutational and TAP tag-assisted proteomic analyses and inducible RNA interference reveal the role of the Arabidopsis exosome in embryo/endosperm identity and imprinting, functional specialization of its subunits, and novel RNA substrates

10:10 am  Renate Schmidt, Max-Planck Institute of Molecular Plant Physiology, Germany
Monitoring transgene silencing in Arabidopsis - a broadly applicable, non-invasive and sensitive system
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:00 am</td>
<td><strong>AGA SESSION 1 (concurrent with Sessions I &amp; J):</strong></td>
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<tr>
<td>9:00 am</td>
<td><em>Evolution and Development</em></td>
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<tr>
<td>9:00 am</td>
<td><em>Christopher Day, University of Wisconsin, Session Chair</em></td>
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<tr>
<td>9:00 am</td>
<td><strong>Vivian Irish, Yale University</strong></td>
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<td>9:00 am</td>
<td>Evolution of MADS box gene function in the angiosperms</td>
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<td>9:45 am</td>
<td><strong>David Baum, University of Madison</strong></td>
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<tr>
<td>9:45 am</td>
<td>The evolution of inflorescence architecture in Brassicaceae</td>
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<td>11:00 am</td>
<td><strong>Neelima Sinha, University of California Davis</strong></td>
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<tr>
<td>11:00 am</td>
<td>Transcription factors, gene expression and leaf evolution</td>
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<td>11:45 am</td>
<td><strong>Alexis Maizel, Max-Planck Institute for Developmental Biology, Germany</strong></td>
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<tr>
<td>11:45 am</td>
<td>Molecular Evolution of LEAFY transcription factor in land plants</td>
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<td>12:05 pm</td>
<td><strong>Ji-Young Lee, Duke University</strong></td>
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<tr>
<td>12:05 pm</td>
<td>Evidence of genetic conservation of diverse nectaries within the eudicots</td>
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<tr>
<td>10:30 - 11:00 am</td>
<td>Refreshment Break</td>
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<tr>
<td>11:00 - 12:30 pm</td>
<td><strong>SESSION J:</strong></td>
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<tr>
<td>11:00 am</td>
<td><em>Novel Tools, Techniques and Resources</em></td>
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<td>11:00 am</td>
<td><strong>Gregory Copenhaver, University of NC at Chapel Hill, Session Chair</strong></td>
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<tr>
<td>11:10 am</td>
<td><strong>Albrecht von Arnim, University of Tennesee</strong></td>
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</tbody>
</table>
| 11:10 am   | In Vivo Protein-Interaction Assays Based on Bioluminescence Reso-
| 11:10 am   | nance Energy Transfer (BRET)                                             |
| 11:30 am   | **Michael Fromm, University of Nebraska**                               |
| 11:30 am   | Isolation of TAP-tagged Protein Complexes From Plants                    |
| 11:50 am   | **Vladimir Shulaev, VBI Virginia-Tech**                                 |
| 11:50 am   | Using metabolomics and transcriptomics data to study metabolic net-
| 11:50 am   | works in Arabidopsis                                                    |
| 12:10 pm   | **Wolfram Weckwerth, Max-Planck Institute of Molecular Plant**          |
| 12:10 pm   | **Physiology, Germany**                                                 |
| 12:10 pm   | Metabolomics and proteomics in Arabidopsis thaliana– transitions from    |
| 12:10 pm   | pattern recognition to biological interpretation                        |
| 12:30 - 2:00 pm | Lunch                                                                 |
| 2:00 - 5:30 pm | **SESSION K (Joint with AGA Session 2):**                              |
| 2:00 pm    | *Evolutionary Biology*                                                   |
| 2:00 pm    | **David Baum, University of Wisconsin, Session Chair**                 |
| 2:00 pm    | **Michael Purugganan, North Carolina State University**                 |
| 2:00 pm    | Adaptation and variation in Arabidopsis flowering                       |
| 2:45 pm    | **Magnus Nordborg, University of Southern California**                  |
| 2:45 pm    | Linkage disequilibrium mapping in Arabidopsis                           |
| 3:30 - 4:00 pm | Refreshment Break                                                                 |
| 4:00 pm    | **Tom Mitchell-Olds, Max-Planck Institute for Chemical Ecology, Germany** |
| 4:00 pm    | Evolution of ecologically important traits in relatives of Arabidopsis  |
| 4:45 pm    | **Shin-Han Shiu, University of Chicago**                                |
| 4:45 pm    | Pronounced Expansion of Transcription Factor Families in Plants         |
5:05 pm  Jocelyn Hall, Harvard University
Developmental mechanisms underlying fruit diversification in
Brassiceae (Brassicaceae)

5:30 - 7:00 pm  Dinner  Tripp Commons

7:00 - 8:00 pm  Wilhelmine E. Key Lecture, joint with AGA  Union Theater
June Nasrallah, Cornell
Mating system evolution in crucifers

7:00 - 8:30 pm  TAIR: Accessing and analyzing information  3650 Humanities
about biochemical pathways

7:00 - 8:30 pm  TAIR: Use of Ontologies for Annotating Gene  1111 Humanities
Expression and Phenotypes in Arabidopsis

8:00 - 12:00 am  POSTER SESSION III  See Below Locations
Free-for-All: A time for further discussions

Great Hall/Reception Room (4th floor)
- Posters of Orals (not including Session Chairs) (#1 – 60)
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Sunday, June 19, 2005

7:45 - 9:00 am  Breakfast  Tripp Commons

9:00 - 10:30 am  SESSION L:  Union Theater
2010

9:00 am  Machi Dilworth, National Science Foundation, Session Chair

9:10 am  Mary Schuler, University of Illinois Urbana
Arabidopsis cytochrome P450 monooxygenases
9:30 am Richard Vierstra, University of Wisconsin
Ubiquitin-Protein Ligase (E3) Families

9:50 am Alice Harmon, University of Florida
The CDPK Superfamily

10:10 am David Meinke, Oklahoma State University
Indispensable Genes Required for Seed Development in Arabidopsis

9:00 am - 12:30 pm AGA SESSION 3 (concurrent with Sessions L & M): 3650 Humanities
Quantitative Genetics
Don Waller, University of Wisconsin, Session Chair

9:00 am Susan McCouch, Cornell University
Discovery and characterization of alleles associated with domestication-related traits in rice

9:45 am Jeff Conner, Michigan State University
The roles of genetic integration and constraint in adaptive evolution: a floral case study

11:00 am Loren Rieseberg, Indiana University
The Nature of Intrinsic Postzygotic Isolation

11:45 am Mark Rausher, Duke University
Identification of a gene causing reproductive isolation in Phlox

10:30 - 11:00 am Refreshment Break Union Theater Lobby

11:00 - 12:30 pm SESSION M: Union Theater
NAASC Choices

11:00 am Susan J. Lolle, Purdue University, Session Chair
Non-mendelian inheritance of ancestral sequences in Arabidopsis.

11:30 am Sean May, NASC Nottingham stock center, United Kingdom
“Asking for Arrays”

11:50 am Cheng Lu, University of Delaware
Deep profiling by massively parallel signature sequencing elucidates the small RNA component of the transcriptome

12:10 pm Pauline Fung, University of Toronto, Canada
The Pyrabactins: small molecule agonists of the abscisic acid signaling pathway

12:30 - 2:00 pm Lunch Tripp Commons