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Fresh leaf tissue and seed were lysed and extracted according to the P-PER® Kit (Product # 89803) protocol, a competitor's protocol and a lysis buffer protocol. Samples were normalized (weight tissue/volume extract) resuspended in a 10% SDS-Tris gel and stained with Imperial™ Protein Stain† (Product # 24515). Samples were also quantified using the BCA™ Protein Assay Kit, Reducing Agent Compatible (Product # 33500).

† The Competition 6 kit is not recommended for dried seed.

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† U.S. patents pending on P-PER® Technology, Imperial™ Protein Stain and Reducing Agent Compatible BCA™ Technology.
Deadline for Submissions: September 1, 2006
To submit an article, please go to http://submit.plantphysiol.org.

Submissions are now being considered for a special issue of Plant Physiology on the Biology of Transpiration to be published in January 2007. The issue will be edited by Susanne von Caemmerer and Neil Baker. Submissions covering all aspects of water transport, from gene expression to global modeling, are welcome, including

- root water uptake
- regulation of water flow by aquaporins
- long-distance transport and xylem hydraulics
- guard cell physiology and development
- mechanisms controlling transpiration from the leaf to the globe

Plant Physiology is proud to sponsor an upcoming meeting on the same topic. The Biology of Transpiration: From Guard Cells to Globe will be held October 10–14, 2006, at Snowbird Mountain Resort in Utah. For more information, go to http://www.aspb.org/meetings/transpiration06/.

This is an open call for papers. All papers will be subject to peer review, and author attendance at the Plant Physiology–sponsored meeting will not be a factor affecting acceptance for the special issue.
ANNOUNCEMENT

Plant Physiology Adopts Incentives for Concise Articles

Beginning with submissions on January 1, 2006, *Plant Physiology* is establishing a limit of 10 journal pages for research articles. While longer papers are permitted at a higher page charge, we believe that the 10-page target is a positive incentive for tight composition, reduced repetition, and appropriate use of supplemental data files.

Beginning with submissions on January 1, page charges are $75 per page for the first 10 pages ($55 per page if the corresponding author is a member of ASPB), and the charges for the 11th page and above are doubled.

An online calculator is available from the Instructions for Authors (http://www.plantphysiol.org/misc/ifora.shtml) and in the submission system that will provide an estimated final page count for your article, should it be accepted. For more information, please see the Editorial in the December 2005 issue (http://www.plantphysiol.org/cgi/content/full/139/4/1573).

ASPB Open Access Experiment

The Open Access movement in scholarly publishing advocates that the results of research that was funded by taxpayer dollars should be freely available to all immediately upon publication. As such, the traditional “user-pays” (subscription access) model would eventually be eliminated in favor of an “author-pays” model, whereby publication charges are paid, for example, out of authors’ grants.

To gauge interest in an Open Access model of publishing in the plant science community, ASPB is conducting an 18-month Open Access experiment for research papers published in *Plant Physiology* and *The Plant Cell*. Beginning with the December 2005 issues, corresponding authors of articles accepted by the journals will be given the option to pay a surcharge to make their online article free upon publication. The surcharge, which will be in addition to the usual author charges, will be $1,000 (discounted to $500 if the author’s institution subscribes to the journal).

This experiment will help ASPB to evaluate the viability of an “author-pays” publishing model. Questions and comments can be sent to Nancy Winchester, Director of Publications (nancyw@aspb.org). For more information, please go to http://www.aspb.org/openaccess.
Download Figures from *Plant Physiology* and *The Plant Cell* as PowerPoint Slides!

*Plant Physiology* (www.plantphysiol.org) and *The Plant Cell* (www.plantcell.org), ASPB’s premier plant science journals, now allow you to save any figure as a PowerPoint slide! This free feature is available for all articles published since 1998.

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Joint Annual Meeting of the
American Society of Plant Biologists
and the
Canadian Society of Plant Physiologists
Société Canadienne de Physiologie Végétale

SYMPOSIA

Plants Mitigating Global Change—
Stephen P. Long, University of Illinois

Legumes: Genomes to Biology—
Douglas R. Cook, University of California-Davis

Ion Channels and Cellular Signaling—
Julian I. Schroeder, University of California-San Diego

Gibbs Medal Symposium:
Genome Scale Biology—
Joseph R. Ecker, The Salk Institute

President’s Symposium:
Plant Responses to the Environment—
Michael F. Thomashow, Michigan State University

CSPP President’s Symposium:
Tree Physiology and Genomics—
Dr. Robert D. Guy, University of British Columbia

Hynes Convention Center
Boston, Massachusetts
August 5-9, 2006

For more information: American Society of Plant Biologists
Telephone: 301-251-0560 • Fax: 301-279-2996 • E-Mail: info@aspb.org • Web Site: http://www.aspb.org/meetings/pb-2006

Photo Credit: Greater Boston Convention & Visitors Bureau
There have been a number of successful meetings on stomata in past years, starting with a SEB symposium in Lancaster in 1979, followed by meetings in Hawaii (1983), a FESPP workshop in East Berlin (1989), a SEB sponsored symposium in Canterbury in 1997, and a meeting sponsored by *New Phytologist* in Birmingham in 2001. This meeting will continue and expand that tradition, using the topic of transpiration as a focal point. In the past five years, there have been rapid advances at several organizational levels in the understanding and measurement of the biology of transpiration. These areas have developed separately, yet each has major implications for the others. To catalyze needed interactions among scientists working in diverse areas, all aspects of water transport will be covered at levels spanning from gene expression to global modeling, including:

- root water uptake
- regulation of water flow by aquaporins
- long distance transport and xylem hydraulics
- guard cell physiology and development
- mechanisms controlling transpiration from the leaf to the globe.

A goal of this meeting is to bring together outstanding scientists from around the globe who might not otherwise meet. To provide the participants with an intimate retreat-like atmosphere for debate and interaction, the meeting will be limited to approximately 200 participants. The meeting will include invited talks, talks chosen from abstracts, and poster discussions; each day’s program will cover topics at several organizational levels.

**Confirmed Speakers and Tentative Titles**

- Dominique Bergmann (Stanford University, USA) A genomics approach to understanding guard cell development
- Joseph Berry (Carnegie Institution, USA) The stable isotopic signature of stomata in the atmosphere
- Michael Blatt (University of Glasgow, UK) Vesicle trafficking and ion-channel regulation in guard cells
- Susanne von Caemmerer (ANU, Australia) Stomatal behavior in photosynthetic mutants
- William Davies (Lancaster University, UK) Root signaling of water status
- Graham Farquhar (ANU, Australia) Revisiting optimization theory and transpiration efficiency
- Carl Bernacchi (ISWS/University of Illinois, USA) Stomata, evapotranspiration and atmospheric change
- David Fowler (Centre for Ecology and Hydrology, UK) Rising tropospheric ozone: the role of stomata in mediating damage
- Alistair Hetherington (Lancaster University, UK) Signaling networks in guard cell responses to ABA and CO2
- Rainer Hedrich (University of Würzburg Germany) Guard-cell electrophysiology in the intact leaf
- N. Michele Holbrook (Harvard University, USA) The interplay between the xylem and transpiration
- Hamlynn Jones (University of Dundee, UK) Remote sensing of stomatal behavior from leaf to landscape
- Christophe Maurel (INRA/CNRS, France) Aquaporins and water transport through roots
- Jennifer McElwain (The Field Museum, USA) Functional adaptation of transpiration to past climates and atmospheres
- Russell Monson (University of Colorado, USA) Landscape-atmosphere exchanges: the role of stomata
- Fred Sack (Ohio State University, USA) Division regulation in Arabidopsis stomatal development
- Julian Schroeder (UCSD, USA) The genomics and cell biology of guard cells
- Ken-ichiro Shimazaki (Kyushu University, Japan) Blue light regulation of stomatal function
- John Sperry (University of Utah, USA) Coordination of stomatal and xylem function
- F. Ian Woodward (Sheffield University, UK) Vegetation dynamics and the role of stomata