What More Should You Expect from Your Physiology Teaching Solutions?

How about...

More lab experiments and exercises...

More integrated courseware...

More interesting and fun ways to learn!

Thousands of students from hundreds of universities and colleges now use iWorx teaching solutions to learn physiology in more interesting ways.

More Learning

iWorx features over 150 animal and human physiology teaching lab exercises in seven lesson areas. The fully integrated kits include a choice of rugged data recorders and transducers, intuitive LabScribe recording and analysis software, professionally developed courseware, and all of the accessories needed for college-level lab experiments.

More Courseware, Free Site License, and Software Upgrades

It’s not often you get more for less, but iWorx gives you a free site license for an unlimited number of students and they don’t charge for software or courseware upgrades either. They are free forever. iWorx is also expanding its courseware to complement the most popular lab manuals in publication.

More Teaching Options

iWorx has developed virtual animal and human lab experiments in cardiovascular, respiratory, and neuromuscular physiology that are presented on CD or accessible via the Web. The self-contained virtual labs are an excellent supplement to Wet labs and ideal for distance learning curricula.

What More Can You Ask For?

Just an open invitation to schedule a live demonstration at your site. It could be the most interesting thing that has happened in your physiology department in years...more or less.

iWorx/CB Sciences
One Washington Street
Dover, NH 03820
800-234-1757
www.iworx.com
A Signature Below Certifies Compliance With the Following Statements

Copyright Transfer. In consideration of the acceptance of the above work for publication, I do hereby assign and transfer to the American Physiological Society (APS) all rights, title, and interest in and to the copyright in the above-titled work. This includes preliminary display/posting of the abstract of the accepted article in electronic form before publication. In cases in which obtaining a signature from each author would delay review, the corresponding author’s signature is sufficient provided that the corresponding author understands that he or she signs on behalf of all of the authors who have not signed the form. It should also be understood by all authors that the corresponding author has signed the manuscript submission form as their proxy. If any changes in authorship (order, deletions, or additions) occur after the manuscript is submitted, agreement by all authors for such changes must be on file with APS. An author’s name may only be removed at his/her own request. For commercial companies, authorized agents’ signatures are allowed for copyright transfer, but the corresponding author must sign for authorship responsibilities as stated below. Material prepared by employees of the US Government in the course of their official duties cannot be copyrighted.

Authorship Responsibilities. I attest that:
1) the manuscript is not currently under consideration, in press, or published elsewhere, and the research reported will not be submitted for publication elsewhere until a final decision has been made as to its acceptability by the journal (posting of submitted material on a web site may be considered prior publication—note this in your cover letter);
2) the manuscript is truthful original work without fabrication, fraud, or plagiarism;
3) I have made an important scientific contribution to the study and am thoroughly familiar with the primary data; and
4) I have read the complete manuscript and take responsibility for the content and completeness of the manuscript and understand that I share responsibility if the paper, or part of the paper, is found to be faulty or fraudulent.

Conflict of Interest Disclosure. All funding sources supporting the work and all institutional or corporate affiliations of mine are acknowledged. Except as disclosed on a separate attachment, I certify that I have no commercial associations (e.g., consultancies, stock ownership, equity interests, patent-licensing arrangements) that might pose a conflict of interest in connection with the submitted article, and that I accept full responsibility for the conduct of the trial, had full access to all the data, and controlled the decision to publish.

☐ I have a potential conflict to disclose and will provide the form from http://www.the-aps.org/publications/journals/conflict.pdf.

Color Figures. A subsidized fee of $300 per color figure is available if all publication requirements are met. Color figures that are scientifically necessary are free for first or last authors who are APS members in good standing. Please provide membership information if applicable. Unnecessary color figures (e.g., color line or bar graphs) are not permitted in the APS journals.

☐ Please check if this article was written as part of the official duties of an employee of the US Government.

Commercial company agent’s signature (if applicable) _____________________________________

Authors should sign in the same order as on the manuscript title page (fax signatures, multiple forms acceptable). For more than 6 authors, use an extra sheet.

Signature (1) _____________________________________ Print Name __________________________ Date __________________
Signature (2) _____________________________________ Print Name __________________________ Date __________________
Signature (3) _____________________________________ Print Name __________________________ Date __________________
Signature (4) _____________________________________ Print Name __________________________ Date __________________
Signature (5) _____________________________________ Print Name __________________________ Date __________________
Signature (6) _____________________________________ Print Name __________________________ Date __________________

Corresponding Author Address __________________________ City __________ State __________ Country ____ Zip ____________

Phone __________________ Fax __________________ E-mail __________________

Please sign and fax to 301-634-7243
Attention Teki Bynum, tbynum@the-aps.org, Phone 301-634-7247. 9650 Rockville Pike, Bethesda, MD 20814
Under the NIH Public Access Policy, NIH is asking its funded investigators to voluntarily submit to PubMed Central (PMC) the author's final manuscript of articles resulting from research supported in whole or in part with direct costs from NIH. According to the NIH, this policy applies only to manuscripts accepted for publication on or after May 2, 2005.

If you choose to submit your accepted manuscript to PMC, you will be asked to indicate when that manuscript should be made available to the public. As copyright holder of your article, the APS has the sole right to publish or disseminate it. However, the APS grants you permission to allow public release of your manuscript through PMC 12 months after publication in the print version of an APS journal. This period of time is consistent with our existing policy to make all content publicly available through HighWire Press 12 months after print publication. NIH will be able to determine when 12 months have elapsed because APS sends NIH electronic feeds of the article metadata upon publication in a journal issue. Therefore, you can submit your accepted manuscript to PMC at the time of acceptance to an APS journal, and will not have to calculate or track time elapsed from publication.

NIH intends to use the PMC database of manuscripts for portfolio management; to create a permanent archive of articles based upon NIH-funded research; and to give the public access to research publications. In announcing this policy, NIH officials underscored that it is voluntary and there will be no sanctions of any kind against authors who do not submit their manuscripts. If you have any questions with respect to the NIH Public Access Policy and the publication of your article in an APS journal, please contact Margaret Reich at mreich@the-aps.org.
CALL FOR NOMINATIONS

for the Arthur C. Guyton Physiology Educator of the Year Award

The Teaching Section of the American Physiological Society invites you to nominate a fellow physiology educator for the 15th Annual Arthur C. Guyton Physiology Educator of the Year Award.

Nominees must be faculty members of accredited colleges or universities and members of the American Physiological Society (APS). The Selection Committee will look for independent evidence of the following:

- Excellence in classroom teaching over a number of years at undergraduate, graduate, or professional levels.
- Commitment to the improvement of physiology teaching within the candidate’s own institution.
- Contributions to physiology education at the local, community, national, or international levels.

In the past, all nominees have shown excellence in teaching and have made significant contributions in student advisement, graduate education, and/or curriculum design and reform at their institution. Consequently, the activities that distinguish a candidate in the rankings include the following:

- Outreach activities at the state, national, or international level.
- Contributions to education through APS activities.
- Authorship of peer-reviewed educational journal articles.
- Authorship of widely disseminated publications such as commercially produced textbooks, laboratory manuals, or software.

Each nominee must be nominated by a member of APS. The **Nominator** should send a letter of support outlining the qualifications of the nominee to the Chair of the Award Selection Committee, no later than **December 22, 2006**. The **Candidate** will be asked to submit a portfolio that includes the following:

- A statement of teaching philosophy and achievements
- Summaries of student evaluations, teaching honors, and awards
- Evidence of education-related activities outside the classroom
- Letters of support from colleagues and, if desired, students

The Committee requests electronic submission of all material by **January 15, 2007**.

The person selected will receive the award during the APS business meeting at the April 2007 annual meeting of APS (Experimental Biology 2007, April 28-May 2 in Washington, DC). The Arthur C. Guyton Physiology Educator of the Year will receive a framed, inscribed certificate, an honorarium of $1,000, and expenses of up to $600 to attend the meeting. The awardee is requested to write an essay on his/her philosophy of education for publication in *The Physiologist*.


The Chair of the Guyton Award Selection Committee is:

Vikki McCleary, Assistant Professor
Department of Pharmacology, Physiology, and Therapeutics
University of North Dakota School of Medicine and Health Sciences
Grand Forks, ND 58202
E-mail: vmccleary@medicine.nodak.edu
IMPORTANT DEADLINES

November 8, 2006: Abstract Submission Deadline
March 2, 2007: Early Registration Deadline
March 23, 2007: Housing Deadline

SPONSORS:

American Association of Anatomists (AAA)
The American Physiological Society (APS)
American Society for Biochemistry and Molecular Biology (ASBMB)
American Society for Investigative Pathology (ASIP)
American Society for Nutrition (ASN)
American Society for Pharmacology and Experimental Therapeutics (ASPET)

In September, visit our Website www.eb2007.org to Submit an abstract Register for the meeting Make your hotel reservation.


A multi-society, interdisciplinary, scientific meeting featuring plenary and award lectures, symposia, oral and poster sessions, career services, and exhibits of scientific equipment, supplies, and publications.

Who: More than 12,000 independent scientists representing the participating and sponsoring societies.

When: Saturday, April 28–Wednesday, May 2
Scientific Sessions: Saturday–Wednesday • Exhibits: Sunday–Tuesday
Posters: Sunday–Wednesday

Where: Washington Convention Center, 801 Mt. Vernon Place, NW, Washington DC

If you are not a member of a participating society and would like a printed copy of the Call for Abstracts, send a request via email to eb@faseb.org.

GUEST SOCIETIES:

APS
American Federation for Medical Research Association of Latin American Physiological Societies The Biomedical Engineering Society The Microcirculatory Society Society for Experimental Biology and Medicine ASBMB Division of Biological Chemistry-American Chemical Society ASPET Behavioral Pharmacology Society

ASIP
American College of Veterinary Pathologists American Association of Neuropathologists Association for Pathology Informatics Histochemical Society International Society for Analytical and Molecular Morphology International Society for Biological and Environmental Repositories North American Vascular Biology Organization Pulmonary Pathology Society Società Italiana di Patologia/Italian Pathology Society
Your Professional and Career Development

APS embraces a wide variety of disciplines devoted to human and animal health and function—including systems biology, genomics, translational research and all other life sciences.

Meet like-minded colleagues through the following distinctive groups:
- Serve on APS sections—and—APS committees
- Serve on special interest groups
- Organize an APS conference
- Serve on FASEB boards and committees
- Participate in APS education programs
- Participate in APS honors and awards programs

Your Access to the Scientific Community

- Discount registration rates for Experimental Biology
- Discount registration rates for APS Conferences
- Specialized listservs

Your Source for Information Services

- **Free online access** to current content and the legacy content of all 15 APS research journals *(this legacy content is an online package of over 100 years of historical scientific research, and is normally $2,000 for nonmembers)*
- Free essential color figures to APS members (Regular and Student) who are first or last authors of articles published in any APS journal
- Free print subscriptions to 3 of APS’s 15 research journals (*Physiology, Advances in Physiology Education,* and *The Physiologist*)—and over 50% discount on the other 12 APS print research journals
- 20% discount on subscription to *Annual Reviews*
- Up to 75% discount on APS scholarly books
- Over 30% discount on subscription to the AAAS Signal Transduction Knowledge Environment

Become a member today...apply online at www.the-aps.org
or Call: 301.634.7171, Fax: 301.634.7241, Email: Members@the-aps.org
The American Physiological Society is proud to announce that the full historical content of its 14 journals, going back to the very first issues of the American Journal of Physiology in 1898, is now available online—as the APS Legacy Project.

To commemorate this event, we have asked a group of expert authors to write essays on some of the most significant articles from the body of APS literature.

A Few Samples of the Classic Articles

Listed below are a few of the Classic Articles which have been singled out for essays written by eminent scientists with first-hand or personal experience in the field. All the essays and Classic Articles are free for viewing by all users at this web site: www.the-aps.org/publications/classics


➤ You can order the full set of Legacy Content for a one-time low price of $2,000. For more information, go online at: www.the-aps.org/publications/legacy
Nothing frees up time in the laboratory like LabTutor.

Complete life science experiments with analysis and reporting tools.

LabTutor® saves educators time by integrating a suite of ready-to-use experiments with background information, protocols, real-time data acquisition, analysis, graphing, and reporting, in one easy-to-use software interface.

LabTutor enables independent learning by guiding students through experiments and testing their understanding of scientific principles.

Even better, LabTutor works with the data acquisition systems more life science educators prefer to use – PowerLab®.

To start saving time, visit www.adinstruments.com/edu or email edu@adinstruments.com to find out more – it will only take a second.