A Few Highly Cited Articles

Physiological Reviews is internationally renowned and has the highest impact factor in the ISI physiology category (35.000 for 2008).

The Editorial Board representing the U.S. and thirteen other countries invites critical state-of-the-art reviews of major physiological topics written by carefully selected leading researchers from all over the world.

Published quarterly by The American Physiological Society, the journal brings you:

- comprehensive, analytical and critical reviews by prominent authors whose research has had a major influence on current advances in the discipline
- new concepts and new approaches resulting from the contributions of several laboratories doing leading-edge research in the field
- cross-disciplinary coverage that spans the full range of physiology specialties to provide an overview of the important work being performed in major physiological research centers throughout the world

To Start your Subscription

E-mail: subscriptions@the-aps.org, Call 301-634-7180,
Fax 301-634-7418, or Mail to The American Physiological Society,
9650 Rockville Pike, Bethesda, Maryland 20814-3991 (USA)

Scope of Journal

Physiological Reviews is internationally renowned and has the highest impact factor in the ISI physiology category (35.000 for 2008).

The Editorial Board representing the U.S. and thirteen other countries invites critical state-of-the-art reviews of major physiological topics written by carefully selected leading researchers from all over the world.

Published quarterly by The American Physiological Society, the journal brings you:

- comprehensive, analytical and critical reviews by prominent authors whose research has had a major influence on current advances in the discipline
- new concepts and new approaches resulting from the contributions of several laboratories doing leading-edge research in the field
- cross-disciplinary coverage that spans the full range of physiology specialties to provide an overview of the important work being performed in major physiological research centers throughout the world

A Few Highly Cited Articles

- Store-Operated Calcium Channels
  Anant B. Parekh, James W. Putney
  Physiol. Rev. Apr 01, 2005; 85: 757-810

- Molecular Regulation of Vascular Smooth Muscle Cell Differentiation in Development and Disease
  Gary K. Owens, Meena S. Kumar, Brian R. Wamhoff
  Physiol. Rev. Jul 01, 2004; 84: 767-801

- The Calpain System
  Darrel E. Goll, Valery F. Thompson, Hongji Li, Wei Wei, Jinyang Cong
  Physiol. Rev. Jul 01, 2004; 84: 767-801

- Ca2+ Sensitivity of Smooth Muscle and Nonmuscle Myosin II: Modulated by G Proteins, Kinases, and Myosin Phosphatase
  Andrew P. Somlyo, Avril V. Somlyo
  Physiol. Rev. Oct 01, 2003; 83: 1325-1358

- Molecular Physiology of P2X Receptors
  Alan North
  Physiol. Rev. Oct 01, 2002; 82: 1013-1067

Reader & Author Benefits

- Fully searchable text, including PubMed.
- Access to articles 12 months after publication.
- FREE e-mail notification of new content as it becomes available.
- Reviews are designed to provide definitive resources for educational purposes. There are more figures, models, and tables than traditionally found in review articles.
- Beautifully drawn and colorful figures bring the science to life.
To take advantage of this new feature, please insert the native expression of your name alongside the English transliteration in the main title page of your manuscript submission.
Now Available! FASEB Directory of Members 2009-2010

The FASEB Directory of Members 2009-2010 is now available for purchase online at www.faseb.org/directory.

Available with the new directory—
- Alphabetical listing and contact information for more than 56,000 society members
- Print and PDF versions available for purchase
- Electronic version available free to FASEB society members online at www.faseb.org/directory

We encourage you to keep your records up-to-date, and use this online resource for obtaining contact information for your colleagues.

For additional information or to submit feedback, please contact FASEB directly at directoryinfo@faseb.org.

Online at www.faseb.org/directory

Need to promote open positions, fellowship opportunities, programs, or conferences in physiology?

Advertise in the publications of The American Physiological Society (APS). The APS publications are a perfect way to advertise to research investigators, clinicians, educators, and information specialists in all disciplines of physiology. Two of the APS publications, Physiology and The Physiologist are distributed to over 11,500 APS members. Most APS publications offer email advertising options and the APS eNews Update accepts advertising. Online ad design is available. Recruitment and product advertising are accepted.

CONTACT FASEB AdNet at 301-634-7103 or email adnet@faseb.org for an ad estimate. View APS rate card and full media kit at www.faseb.org/adnet.
OUR RESEARCH INCLUDES:

- Biochemistry
- Biomathematics
- Biophysics
- Cell Biology
- Comparative & Evolutionary
- Genomics
- Medical & Veterinary Sciences
- Molecular Biology
- Neuroscience
- Pharmacology
- Molecular Biology
- Neuroscience
- Pharmacology

APS Members are individuals worldwide whose work focuses on a wide variety of disciplines devoted to human and animal health and function—including systems biology, genomics, translational research and all other life sciences.

**These members possess advanced degrees** (Ph.D., D.V.M., M.D., etc.). However, individuals who hold a masters degree will be considered on a case-by-case basis. The majority of this international membership hold doctoral degrees in physiology, medicine, or other health professions; and they are employed in universities, hospitals, industrial organizations, medical schools, private foundations, and government.

APS also has **Student** and **Affiliate** members. Visit our web site at www.the-aps.org for more information and a detailed list of membership benefits.

**Join The American Physiological Society**

**Apply Online at:**
www.the-aps.org

Phone: 301-634-7171
Fax: 301-634-7264
E-mail: members@the-aps.org
Abbreviations

Listed below are abbreviations and their definitions. These may be used without definition in the APS Journals. See Information for Authors (www.the-aps.org/publications/journals/pub_quick.html) for other abbreviations, symbols, and terminology.

ACh  acetylcholine
ACTH  adrenocorticotropic hormone
ADP (CDP), GDP, IDP  adenosine 5'-diphosphate (and similarly for cytidine, guanosine, inosine, uridine, xanthosine, thymidine)
ATP, GDP, IDP  adenosine 5'-triphosphate, etc.
AMP, etc.  adenosine 5'-monophosphate, etc.
ANG I, etc.  angiotensin I, etc.
ANOVA  analysis of variance
ATPase, etc.  adenosine 5'-triphosphatase, etc.
AVP  arginine vasopressin
BAPTA  1,2-bis(2-aminophenoxy)ethane-N,N,N',N'-tetraacetic acid
BCECF  2',7'-bis(2-carboxyethyl)-5(6)-carboxyfluorescein
bpm  base pair(s)
BSA  bovine serum albumin
Calmodulin
CaMKK  CaMK kinase
CCCP  carbonyl cyanide m-chlorophenylhydrazone
CCK  cholecystokinin
CFTR  cystic fibrosis transmembrane conductance regulator
CFRP  calcitonin gene-related peptide
CoA  coenzyme A (also, acyl-CoA)
CFTR  cystic fibrosis transmembrane conductance regulator
CRF  corticotropin-releasing factor
DAAVP  desmopressin
DAEAE  diethylaminoethyl
DIDS  4,4'-diisothiocyanato stilbene-2,2'-disulfonic acid
DMEM  Dulbecco’s modified Eagle’s medium
DMSO  dimethyl sulfoxide
DNase  deoxyribonuclease
DOC  deoxycholic acid
DOCA  deoxycorticosterone acetate
dpm  disintegration per minute
DTNB  5,5'-dithiobis(2-nitrobenzoic acid)
Dithiothreitol
EC50  concentration giving half-maximal response
ECG  electrocardiogram
ECM  extracellular matrix
ECG  electrocardiogram
EGF  epidermal growth factor
EGF  epidermal growth factor
EGK  equilibration constant related to Michaelis-Menten kinetics (similarly, Kd, Keq, Kp, Ks, Ka, Ks)
ELISA  enzyme-linked immunosorbent assay
EMSA  electrophoretic mobility shift assay
EMSA  electrophoretic mobility shift assay
ENSAID  nonsteroidal anti-inflammatory drug
nM  nucleotide(s)
PAGE  polyacrylamide gel electrophoresis
PAH  p-aminohippuric acid
PBS  phosphate-buffered saline
PCNA  proliferating cell nuclear antigen
PCR  polymerase chain reaction
PDGF  platelet-derived growth factor
PET  positron emission tomography
PG  prostaglandin (POG, PGE, PGF)
Pgp  nuclear factor
NMR  nuclear magnetic resonance
NSAID  nonsteroidal anti-inflammatory drug
nt  nanotube(s)
PG  prostaglandin (POG, PGE, PGF)
NMR  nuclear magnetic resonance
mM  millimolar
PGE1, PGE2, PGF2  prostaglandins
nM  nanomolar
PGE1, PGE2, PGF2  prostaglandins
nM  nanomolar
PGF  prostaglandin F
PG  prostaglandin (POG, PGE, PGF)

References