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CALL FOR NOMINATIONS

For the Arthur C. Guyton Educator of the Year Award

Advances in Physiology Education

The Arthur C. Guyton Educator of the Year Award supported by Elsevier ($1,000 cash prize, complimentary registration to Experimental Biology 2011, a framed, inscribed certificate, and up to $750 in travel reimbursement to the Experimental Biology meeting) recognizes a full-time faculty member of an accredited college or university and member of the APS who has independent evidence of: (1) excellence in classroom teaching over a number of years at the undergraduate, graduate, or professional levels; (2) commitment to the improvement of physiology teaching within the candidate's own institution; and (3) contributions to physiology education at the local community, national or international levels. The awardee is requested to write an essay on his/her philosophy of education for publication in The Physiologist.

The typical nominee will have shown excellence in teaching and have made significant contributions in student advisement, graduate education, and/or curriculum design and reform at their institution. The activities that distinguish a candidate in the rankings include outreach activities at the state, national, or international level; contributions to education through APS activities; peer-reviewed educational journal articles; and widely disseminated publications such as commercially produced textbooks, lab manuals, or software.

Nominations Process: Each nominee must be nominated by a member of APS. The nominator must upload a letter of support outlining the qualifications of the nominee no later than January 8, 2011. To upload documents, please visit the APS Award Module at https://www.the-aps.org/awardapps/login/index.cfm. Finalists will be contacted and asked to provide further information.
CALL FOR NOMINATIONS

For the Editorship of the

American Journal of Physiology-Lung Cellular and Molecular Physiology

Nominations are invited for the Editorship of American Journal of Physiology-Lung Cellular and Molecular Physiology to succeed M. Matthay, who will complete his term as Editor on December 31, 2011. The Publications Committee plans to interview candidates in the Spring of 2011.

Applications should be received before January 15, 2011.

Nominations, accompanied by a curriculum vitae, should be sent to the Chair of the Publications Committee:

Hershel Raff, Ph.D.
American Physiological Society
9650 Rockville Pike
Bethesda, MD 20814-3991

CALL FOR NOMINATIONS

For the Chair of the European Editorial Committee of

Physiological Reviews

Nominations are invited for the European Chair of Physiological Reviews to succeed O. H. Petersen, who will complete his term as Chair of the European Editorial Committee on December 31, 2011. The Publications Committee plans to interview candidates in the Spring of 2011.

Applications should be received before January 15, 2011.

Nominations, accompanied by a curriculum vitae, should be sent to the Chair of the Publications Committee:

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American Physiological Society
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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.htm) for other abbreviations, symbols, and terminology.

ACh  acetylcholine
ACTH  adrenocorticotropic hormone
ADP (CDP), GDP, GTP  inosine, uridine, xanthosine, thymidine
AM  acetyloxyethyl ester
AMP, etc.  adenine 5'-monophosphate, etc.
ANG I, etc.  angiotensin I, etc.
ANOVA  analysis of variance
ATP, etc.  adenine 5'-triphosphates, etc.
ATPase, etc.  adenine 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
bp  base pair(s)
BSA  bovine serum albumin
CaM  calmodulin
CaMK  Ca++-calmodulin-dependent kinase
CaMKK  CaMK kinase
cAMP, etc.  adenine 3',5'-cyclic monophosphate, etc.
CCCP  carbonyl cyanide m-chlorophenylhydrazone
cDNA  complementary DNA
CFTR  cystic fibrosis transmembrane conductance regulator
CoA  coenzyme A (also, acyl-CoA)
Co(o)enzym A (also, acyl-CoA)
CRF  corticotropin-releasing factor
DDAVP  desmopressin
DNAME  deoxyribonuclease
DOC  deoxyribocytosine
DOCA  deoxycorticosterone acetate
dpm  disintegrations per minute
DTNB  5,5'-dithiobis(2-nitrobenzoic acid)
DTT  dithiothreitol
EGC  electrocardiogram
ECM  extracellular matrix
EDTA  ethylenediaminetetraacetic acid
EGF  epidermal growth factor
EGTA  ethylene glycol-bis(2-aminoethyl ether)-N,N,N',N'-tetraacetic acid
EIPA  ethylisopropyl amidole
ELISA  enzyme-linked immunosorbent assay
EMS  electrolyte mobility shift assay
ERK  extracellular signal-regulated kinase
FAD  flavin adenine dinucleotide
FADH2  reduced flavin adenine dinucleotide
FBS, FCS  fetal bovine/calf serum
FFCP  carbonyl cyanide p-trifluoromethoxyphenylhydrazone
FGF  fibroblast growth factor
FITC  fluorescein isothiocyanate
FSH  follicle-stimulating hormone
GABA  y-aminobutyric acid (also, "GABAergic")
GAP  growth-associated protein
GAPDH  glyceraldehyde-3-phosphate dehydrogenase
GC-MS  gas chromatography/mass spectrometry
GDP(S)  guanosine 5'-O(2'-glycerophosphate)
GSH, GSSG  reduced and oxidized glutathione
GTPyS  guanosine 5'-O(3'-thiotriphosphate)
GSK  glycogen synthetase kinase
Hb  hemoglobin
HBSS  Hanks’ balanced salt solution
Hct  hematocrit
HDIL  high-density lipoprotein
HEPEIS  N'-2-hydroxyethylpiperazine-N'-2-ethanesulfonic acid
HETE  hydroxyeicosatetraenoic acid
HPLC  high-performance liquid chromatography
5-HT  5-hydroxytryptamine (serotonin)
IBMX  3-isobutyl-1-methylxanthine
IC50  concentration giving half-maximal inhibition
ICAM  intercellular adhesion molecule
IFN  interferon
IGF-I, II  insulin-like growth factor I and II
IgG, etc.  immunoglobulin G, etc.
IκK  IκB kinase
IL-1  interleukin-1 (IL-2, etc.)
IRMS  isotope ratio mass spectrometry
JAK  Janus-activated kinase
JNK  JNK kinase
JNK kinase
Kb  kilobase(s)
Km  equilibrium constant related to Michaelis-Menten kinetics (similarly, 
Km, Kcat, Kcat/Km)
LDL  low-density lipoprotein
LH  luteinizing hormone
LH-RH  luteinizing hormone-releasing hormone
LPS  lipopolysaccharide
MAb  monoclonal antibody
MAPK  mitogen-activated protein kinase
MAPKK  MAP kinase activated protein kinase
MEM  Eagle’s minimum essential medium
MES  2-(N-morpholino)ethanesulfonic acid
MFP  MAP kinase phosphatase
MOPS  3-(N-morpholino)propanesulfonic acid
MPO  myeloperoxidase
Mr  relative molecular mass (unitless)
MRI  magnetic resonance imaging
MSH  melanocyte-stimulating hormone
NAD  nicotinamide adenine dinucleotide
NADH  reduced nicotinamide adenine dinucleotide
NADPH  nicotinamide adenine dinucleotide phosphate
NF-kB  nuclear factor-kB
NGF  nerve growth factor
NMR  nuclear magnetic resonance
NSAAID  nonsteroidal anti-inflammatory drug
nucleotide(s)
PAGE  polyacrylamide gel electrophoresis
PAH  p-aminophenylphosphoric acid
PB  phosphate-buffered saline
PCNA  proliferating cell nuclear antigen
PCR  polymerase chain reaction
PDGF  platelet-derived growth factor
PET  positron emission tomography
PG  prostaglandin (PGEl, PGE2, PGF2)
Pp  inorganic phosphate
PIIIPE  piperazine-N,N'-bis(2-ethanesulfonic acid)
PKA  cAMP-dependent protein kinase
PKB, PKC  protein kinase B and C
PLC  phospholipase C (similarly, PLA)
PLA  phospholipase A
PMCA  phospho-12-myristate 13-acetate
PMES  phenylmethylosulfonfluoride
PO2  partial O2 pressure or O2 tension (similarly, PCO2)
PPG  platelet-derivived growth factor
PDD  p-diethylamine dithiocarbamate
PPG  platelet-derivived growth factor
PPG  platelet-derivived growth factor
PPO  1,4-bis(2-5-phenyloxazolyl)benzene
psi  pounds per square inch
PTK  protein tyrosine kinase
RAdiommunassay
RNA  ribonucleic acid (also, mRNA, rRNA, rRNA, tRNA)
RNAse  ribonucleases
rpm  revolutions per minute
RT  reverse transcriptase
SAPK  stress-activated protein kinase
SAPK  stress-activated protein kinase
SAPK  stress-activated protein kinase kinase (also known as SKK)
SDS  sodium dodecyl sulfate
SIDS  standard sodium citrate
SOD  superoxide dismutase
STAT  signal transducer and activator of transcription
TAME  N-tosyl-L-arginine methyl ester
TCH  trichloroacetic acid
TCH  trichloroacetic acid
TEAE  triethylaminoethyl
TES  N-tris(hydroxymethyl)methyl-2-aminotriethanesulfonic acid
TLC  thin-layer chromatography
TNE  tumor necrosis factor
TPO  12-O-tetradecanoylphorbol 13-acetate
TPCK  N-tosyl-L-phenylalanine chloromethyl ketone
TRH  thyrotropin releasing hormone
TSH  thyroid-stimulating hormone
TTX  tetrodotoxin
UV  ultraviolet
VCAM  vascular cell adhesion molecule
VGF  vascular endothelial growth factor
VIP  vasopressive intestinal peptide
VLDL  very-low-density lipoprotein
Vmax  maximum velocity or maximum rate of change or transition