JOURNAL OF PROTEOMICS
An official journal of the European Proteomics Association (EuPA)

DESCRIPTION

Journal of Proteomics is aimed at protein scientists and analytical chemists in the field of proteomics, biomarker discovery, protein analytics, plant proteomics, microbial and animal proteomics, human studies, tissue imaging by mass spectrometry, non-conventional and non-model organism proteomics, and protein bioinformatics. The journal welcomes papers in new and upcoming areas such as metabolomics, genomics, systems biology, toxicogenomics, pharmacoproteomics.

Journal of Proteomics unifies both fundamental scientists and clinicians, and includes translational research. Suggestions for reviews, webinars and thematic issues are welcome. All manuscripts are strictly peer reviewed and conform the highest ethical standards. Journal of Proteomics is an official journal of the European Proteomics Association (EuPA) and also publishes official EuPA reports and participates in the International Proteomics Tutorial Programme with HUPO and other partners.

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### Appendix

Standard abbreviations allowed to be used without explanation or definition in all articles published in the *Journal of Proteomics*.

A absorbance  
ACES 2-[(2-amino-2-oxoethyl)amino] ethanesulphonic acid  
ACN acetonitrile  
A/D analog to digital converter  
AEBSF 4-(2-aminoethyl)benzenesulphonyl fluoride  
amu atomic mass unit  
ANOVA analysis of variance  
API atmospheric pressure ionization  
AUC area under curve  
Bis N,N’-methylenebisacrylamide  
bp base pairs  
BSA bovine serum albumin  
%C cross-linking agent (g/100 mL)/%T  
CAPS 3-(cyclohexylamino)-1-propanesulphonic acid  
CBB Coomassie Brilliant Blue  
CCD charge-coupled device  
CD circular dicroism  
CE capillary electrophoresis  
CEC capillary electrochromatography  
CFE continuous flow electrophoresis  
CHAPS 3-[(3-cholamidopropyl)dimethylammonio]-1-propanesulphonate  
CHCA α-cyano-4-hydroxycinnamic acid  
CHES 2-((N-ethanesulphonic acid  
CID collision-induced dissociation  
CIEF capillary isoelectric focusing  
CMC critical micelle concentration  
Con A Concanavalin A  
CNS central nervous system  
cpm counts *per* minute  
CTAB N,N'-methylenebisacrylammonium bromide  
CV coefficient of variation  
CZE capillary zone electrophoresis  
1-D one-dimensional  
2-D two-dimensional  
Da dalton (molecular mass)  
2-DE two-dimensional electrophoresis  
DIGE fluorescence difference gel electrophoresis  
DGGE denaturing gradient gel electrophoresis  
DMEM Dulbecco’s modified Eagle medium  
DMF N,N-dimethylformamide  
DMSO dimethyl sulphoxide  
DOC sodium deoxycholate  
dsDNA double-stranded DNA  
DTE dithioerithiol  
DTT dithiothreitol  
ECL enhanced chemiluminescence  
EDTA ethylenediaminetetraacetic acid  
EEO electroendosmosis  
EGTA ethylene glycol-bis(β-aminoethyl ether)-N,N,N’,N’-tetraacetic acid  
EKC electrokinetic chromatography  
ELISA enzyme-linked immunosorbent assay  
EMSA electrophoretic mobility shift assay  
EOF electroosmotic flow  
ER endoplasmic reticulum  
ESI electrospray ionization  
EST expressed sequence tag
PCR polymerase chain reaction
PDMS polydimethylsiloxane
PED pulsed electrochemical detection PEG polyethylene glycol
PFGE pulsed-field gel electrophoresis
PFU plaque-forming units
pI isoelectric point
PMF peptide mass fingerprinting
PMS phenazine methosulphate
PMSF phenylmethysulphonyl fluoride
PMT photomultiplier tube
PSD post-source decay
PTFE polytetrafluoroethylene
PTH phenylthiohydantoin
PTM post-translational modification
PVA polyvinyl alcohol
PVDF polyvinylidene difluoride
PVP polyvinylpyrrolidone
Q-TOF quadrupole time-of-flight
RACE rapid amplification of cDNA ends
RFLP restriction fragment length polymorphism
RIA radioimmunoassay
ROS reactive oxygen species
RP reversed phase
rpm revolutions per minute
RSD relative standard deviation
RT-PCR reverse transcriptase-PCR
SAGE serial analysis of gene expression
SD standard deviation
SDS sodium dodecyl sulphate
SEC size-exclusion chromatography
SELDI surface-enhanced laser desorption/ionization
SEM standard error of the mean
SIM selected ion monitoring
S/N signal-to-noise ratio
SPE solid-phase extraction
SPR surface plasmon resonants
SSCP single-strand conformation polymorphism
ssDNA single-stranded DNA
SSP sample spot number
STR short tandem repeat
%T total gel concentration (acrylamide plus cross-linking agent; g/100 mL)
TBS Tris-buffered saline
TCATrichloroacetic acid
TEMED $N,N',N''$-tetramethylethylenediamine
TFA trifluoroacetic acid
THF tetrahydrofuran
TIC total ion current
TLC thin-layer chromatography
TNF tumour necrosis factor
TOF time of flight
Tris tris(hydroxymethyl)aminomethane
TRITC tetramethylrhodamine isothiocyanate
URL uniform resource locator
UTR untranslated region
UV ultraviolet
Vh volt ×hours
z ion charge
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