JCI standard abbreviations, October 30, 2018

A, ampere(s)
Å, angstrom unit(s)
aa, amino acid(s)
Ab, antibody
AIDS, acquired immunodeficiency syndrome
AKT, v-akt murine thymoma viral oncogene homolog 1
ALS, amyotrophic lateral sclerosis
AMP, adenosine monophosphate (ADP, ATP)
AMPK, AMP kinase
ANCOVA, analysis of covariance
ANOVA, analysis of variance
ATPase, adenosine triphosphatase (AMPase, ADPase)
AU, arbitrary unit(s)
AUC, area under the curve
BAC, bacterial artificial chromosome
β-gal, β-galactosidase
BM, bone marrow
BMI, body mass index
BMP, bone morphogenetic protein
bp, base pair(s)
BP, blood pressure
bpm, beat(s) per minute
BRAF, v-raf murine sarcoma viral oncogene homolog B
BrdU, bromodeoxyuridine
BSA, bovine serum albumin
BTU, British thermal unit(s)
BW, body weight
°C, degrees Celsius
cAMP, cyclic adenosine monophosphate (cGMP)
Cas9, CRISPR-associated protein 9
CCL, CC chemokine ligand
CCR, CC chemokine receptor
CD, cluster of differentiation (CD4, CD8)
CDC, Centers for Disease Control and Prevention
cDNA, complementary DNA
CDP, cytosine diphosphate
C/EBP, CCAAT enhancer-binding protein
CFA, complete Freund’s adjuvant
CFSE, carboxyfluorescein diacetate succinimidyl ester
CFU, colony-forming unit(s)
ChIP, chromatin immunoprecipitation
CHO, Chinese hamster ovary
Ci, curie(s)
CI, confidence interval
c-KIT, CD117, mast/stem cell growth factor receptor, protooncogene c-KIT
cM, centimorgan(s)
C<sub>max</sub>, maximum [peak] concentration
C<sub>min</sub>, minimum [trough] concentration
CMP, cytidine monophosphate (CDP, CTP)
CMV, cytomegalovirus
CNRS, Centre National de la Recherche Scientifique
CNS, central nervous system
CoA, coenzyme A
COX, cyclooxygenase
cpm, count(s) per minute
CRISPR, clustered regularly interspaced short palindromic repeats
CSA, colony-stimulating activity
CSF, colony-stimulating factor
Ct, threshold cycle
CT, computed tomography
CXCL, CXC chemokine ligand
CXCR, CXC chemokine receptor
d, day(s)
d, density
3D, 3-dimensional
Da, dalton(s)
DAB, 3,3′-diaminobenzidine
dAPI, 4',6-diamidino-2-phenylindole
DC, dendritic cell
DEAE, diethylaminoethyl
delta, change in, change of
DEAE-dextran
DAB, 3,3′-diaminobenzidine
dAPI, 4’,6-diamidino-2-phenylindole
DC, dendritic cell
DEAE, diethylaminoethyl
delta, change in, change of
DFG, Deutsche Forschungsgemeinschaft
DMEM, Dulbecco’s modified Eagle medium
DMSO, dimethylsulfoxide
DNA, deoxyribonucleic acid
dpc, day(s) post coitum
dpf, day(s) post fertilization
dP/dt, first derivative of pressure measured over time
dP/dV, pressure per unit change in volume
dpm, disintegration(s) per minute
dsDNA, double-stranded DNA
dsRNA, double-stranded RNA
DTT, dithiothreitol
E1, embryonic day 1 (E2, E3)
EBV, Epstein-Barr virus
EC<sub>50</sub>, 50% effective concentration
EGF, epidermal growth factor
EGF, epidermal growth factor
EGFR, EGF receptor
EGTA, ethyleneglycol-bis-(β-aminooethyl ether)-N,N,N′,N′-tetraacetic acid
ELISA, enzyme-linked immunosorbent assay
EMSA, electrophoretic mobility shift assay
ER, endoplasmic reticulum
ERK, extracellular signal-regulated kinase
°F, degrees Fahrenheit
FACS, fluorescence-activated cell sorting
F-actin, filamentous actin
FBS, fetal bovine serum
Fc, crystalizable fragment [of immunoglobulin molecule]
FFPE, formalin-fixed, paraffin-embedded
FGF, fibroblast growth factor
FISH, fluorescence in situ hybridization
FITC, fluorescein isothiocyanate
fl, floxed
Fox, Forkhead box
ft, foot, feet
FWER, family-wise error rate
g, gram(s)
g, unit(s) of gravity
GABA, γ-aminobutyric acid
GAP, GTPase-activating protein
GAPDH, glyceraldehyde-3-phosphate dehydrogenase
GFP, green fluorescent protein
GM-CSF, granulocyte macrophage colony-stimulating factor
GMP, guanosine monophosphate (GDP, GTP)
GPCR, G protein–coupled receptor
GWAS, genome-wide association study/studies
H, hour(s)
HA, hemagglutinin
HBSS, Hanks balanced salt solution
HBV, hepatitis B virus
HDL, high-density lipoprotein
H&E, hematoxylin and eosin
HEPES, N-2-hydroxyethylpiperazine-N’-2-ethanesulfonic acid
HGF, hepatocyte growth factor
HIF, hypoxia-inducible factor
HIV, human immunodeficiency virus
<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
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<tbody>
<tr>
<td>UCD, University of California, Davis</td>
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<tr>
<td>UCSD, University of California, San Diego</td>
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<td>UCSF, University of California, San Francisco</td>
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<tr>
<td>UMP, uridine monophosphate (UDP, UTP)</td>
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<tr>
<td>UTR, untranslated region</td>
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<td>UV, ultraviolet</td>
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<td>V, volt(s)</td>
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<td>VCAM, vascular cell adhesion molecule</td>
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<td>VEGF, vascular endothelial growth factor</td>
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<td>VEGFR, VEGF receptor</td>
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<td>VLDL, very low-density lipoprotein</td>
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<tr>
<td>( V_{max} ), maximum velocity</td>
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<td>vol, volume</td>
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<td>vWF, von Willebrand factor</td>
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<td>W, watt(s)</td>
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<td>WBC, white blood cell</td>
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<td>WHO, World Health Organization</td>
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<td>wk, week(s)</td>
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<tr>
<td>WNT, wingless-type MMTV integration site family</td>
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<td>yr, year(s)</td>
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<td>SRC, protooncogene tyrosine-protein kinase SRC</td>
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<td>SREBP, sterol regulatory element-binding protein</td>
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<td>SSC, standard saline citrate</td>
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<td>ssDNA, single-stranded DNA</td>
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<td>STAT, signal transducer and activator of transcription</td>
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<tr>
<td>t, time</td>
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<tr>
<td>( t_{1/2} ), half-life</td>
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<td>TALEN, transcription activator-like effector nuclease</td>
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<td>TBS, triethanolamine-buffered saline</td>
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<td>TCA, tricarboxylic acid</td>
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<td>Tg, transgene, transgenic</td>
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<tr>
<td>TGF, transforming growth factor</td>
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<td>Th, T helper [cell] (Th1, Th2)</td>
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<tr>
<td>TLC, thin-layer chromatography</td>
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<tr>
<td>TLR, Toll-like receptor</td>
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<td>TNF, tumor necrosis factor</td>
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<td>TOF, time-of-flight (MALDI/TOF)</td>
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<td>TRAIL, TNF-related apoptosis-inducing ligand</td>
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<td>Treg, regulatory T cell</td>
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<tr>
<td>Tris, tris(hydroxymethyl)-aminomethane</td>
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<tr>
<td>TRITC, tetrarhodamine isothiocyanate</td>
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<tr>
<td>TUNEL, terminal deoxynucleotidyl transferase-mediated dUTP nick end labeling</td>
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<td>U, unit(s)</td>
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<td>UCD, University of California, Davis</td>
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<td>UCLA, University of California, Los Angeles</td>
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