

BIOLOGICAL THERAPY IN ANDROLOGY

Essay

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List of Abbreviations

AL	Aaligned
AIDS	Acquired Immunodeficiency Syndrome
ACT	Activin
AD	A Dark
AJ	Adherens junction
AA	Amino acid
ABP	Androgen binding protine
ADCC	Antibody directed cell-mediated cytotoxicity
ASA	Antisperm antibody
Ap	Apale
As	Asingle
bfgf	Basic fibroblast growth factor
β - Ep	Beta endorphins
BTB	Blood-testis Barrier
BMSC	Bone marrow stem cell
BMT	Bone marrow transplantation
BMP	Bone morphogenic protein
Cdcl2	Cadmium chloride
CIS	Carcinoma in situ
CCR5	Chemokine receptor 5
JNK	C Jun N terminal
CBAVD	Congenital bilateral absence of the vas
CF	Cystic fibrosis
CFTR	Cystic fibrosis transmembrane conductance

CTL	Cytotoxic T cells
3-Dmpl	3-Deacylated monophosphoryl lipid A
DAZ	Deleted in AZoospermia
DC	Dendritic cell
DMA	D-mannosylated albumin
DISC	Disabled infectious single cycle
DRG	Dorsal root ganglia
DsRNA	Double stranded RNA
ES	Ectoplasmic specialization
EB	Embryoid body
ESC	Embryonic stem cell
ER	Endoplasmic reticulum
E2	Estradiol
EeF1A	Eukaryotic translation elongation factor1 alpha
eif-2	Eukaryotic translation initiation factor-2
EAO	Experimental autoimmune orchitis
FADD	Fas associated death domain
Fas L	Fas ligand
FACC	Fluorescent activated cell sorting
FSH	Follicle stimulating hormone
FDA	Food and Drug Administration
GH	Genital herpes
GCs	Germ cells
GCC	Germ cell cancer
GCTs	Germ cell tumors
GAPDs	Glyceraldehyde 3-phosphate dehydrogenases

Gp	Glycoprotein
GnRH	Gonadotrophine releasing hormone
GM-Csf	Granulocyte monocyte colony stimulating
GFP	Green fluorescent protein
HSV	Herpes simplex virus
HDCT	High dose chemotherapy
HD	Hodgkin disease
HCG	Human chorionic gonadotrophin
HIV	Human immunodefficiency virus
HMG	Human menopausal globulin
HPV	Human papilloma virus
HA	Hyaluronan
HABP-1	Hyaluronan Binding protein-1
Hos	Hypoosmotic swelling test
IRMS	Immune response modifiers
ISCOM	Immune stimulating complexes
Ig	Immunoglobuline
ICP0,47	Infected cell protein 0,47
INH	Inhibin
InsP3	Inositol 1,4,5 triphosphte
IGf-1	Insulin like growth factor 1
INSL3	Insulin like peptide3
IFNs	Interferons
INF- α	Interferon alpha
IFNAR	Interferon alpha receptor
IFN- β	Interferon beta

IFN- γ	Interferon gamma
ISGs	Interferon stimulating genes
IL- (1,2,6,10,12, 15,18)	Interleukin-(1,2,6,10,12,15,18)
IL-1- α	Interleukin-1 alpha
IL- β	Interleukin-1 beta
IL-6 R	Interleukin-6 receptor
ICSI	Intracytoplasmic sperm injection
IVIg	Intravenous immunoglobulin
IVF	Invitro fertilization
KC	Keratinocytes
LC	Langerhans cell
LIF	Leukemia inhibitory factor
LH	Lutenizing hormone
MIP(-1-a,-1-b,2-a)	Macrophage inflammatory proteins (-1-a,-1-b,-2-a)
MACS	Magnet activated cell sorting
MHCI, MCHII	Major histocompatibility complex molecules I and II
MMP(-1,2,9)	Matrix metalloproteinase (-1,-2,9)
MA	Maturation arrest
MAPKs	Mitogen activated protein kinases
MVA	Modified Vaccinia virus Ankara
MPL	Monophosphoryl lipid A
MyD88	Myeloid differentiation primary-response protein 88

NK	Natural killer
Ngf	Nerve growth factor
NO	Nitric oxide
(NLRs)	NOD-like receptors
NF-KB	Nuclear factor -k-light chain B cells
OAT	Oligo astheno teratozoospermia
OT	Oxytocin
PAMPs	Pathogen associated molecular patterns
PRRs	Pattern recognition receptors
PBL	Peripheral blood leukocytes
PSCT	Peripheral SCT
PBL	Peripheral blood leukocytes
PIP2	Phosphatidylinositol 4,5 biphosphate
PLC ζ	Phospholipase c zeta
pDCs	Plasmacytoid DCs
PK	Protein kinase
PKR	Protein kinase R
ROS	Reactive oxygen species
rHABP1	Recombinant HABP1
(RLRs)	RIG-I-like receptors
RT	Reverse transcriptase
SCO	Sertoli cell only syndrome
STDs	Sexually transmitted diseases
ScFV	Single chain variable fragments
SSC	Spermatogonial stem cell
Scf	Stem cell factor

SCT	Stem cell transplantation
StAR	Steroidogenic acute regulatory protein
STING	Stimulator of IFN genes
TESE	Testicular sperm extraction
T	Testosterone
TJ	Tight junction
TBRI,TBRII	TGFB type I, II receptor
Th1, Th2	T helper 1,2 cell
TRAAD	TNFR- associated death domain protein
TLRs	Toll like receptors
TGF_ α	Transforming growth factor alpha
TGF- β 2, β 3	Transforming growth factor beta (2,3)
TNF- α	Tumor necrosis factor alpha
TNFR1 and TNFR2	Tumor necrosis factor alpha receptor (1,2)
UCHs	Ubiquitin C terminal hydrolases
VH	Variable heavy
VL	Variable light
Vp	Vasopressin
VLPs	Virus like particles
Zp	Zona pellucida

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