ABBREVIATIONS

ABP: Androgen Binding Protein
AE: Acrosomal Exocytosis
AKAP: A Kinase Anchoring Protein
AMP: Adenosine Monophosphate
AR: Acrosome reaction
AR: Androgen Receptors
ARE: Androgen Responsive Elements
BSA: Bovine Serum Albumin
cAMP: Cyclic Adenosine Monophosphate
CASK: Calcium/Calmodulin-dependent Serine protein Kinase
CBB: Coomasie Brilliant Blue
COC: Cumulus Oophorus Complex
CRISP: Cysteine Rich Soluble Protein
DAB: 3,3'-diaminobenzidine
DAPI: 4',6-diamidino-2-phenylindole
DMEM: Dulbecco's Modified Eagle Medium
DPN: 2,3-bis(4-Hydroxyphenyl)-propionitrile
ER: Endoplasmic Reticulum
ER: Estrogen Receptor
ERE: Estrogen Responsive Elements
fgl: Fibrinogen Like Protein
FITC: Fluorescein Isothiocyanate
FSH: Follicular Stimulating Hormone
FSH-R: Follicular Stimulating Hormone Receptor
HRP: Horseradish Peroxidase
HTF: Human Tubal Fluid
IAM: Inner Acrosomal Membrane
IHC: Immuno histochemistry
IIF: Indirect Immunofluorescence
L: Leptotene
LAR: Leucocyte Antigen Related
LAR-RPTP: LAR family of Receptor Protein Tyrosine Phosphatases
LH: Liprin Homology
LH: Luteinizing Hormone
MMSDH: Methyl Malonate Semialdehyde Dehydrogenase
NFDM: Non-fat dry milk powder
NSF: N ethylmaleimide Sensitive Factor
OAM: Outer Acrosomal Membrane
P: Pachytene
PAG: Pro Acrosomal Granules
PBS: Phosphate Buffer Saline
PFA: Para Formaldehyde
PHTPP: 4-[2-Phenyl-5,7-bis(trifluoromethyl)pyrazolo[1,5-a]pyrimidin-3-yl]phenol
PKA: Protein Kinase A
Pl: Preleptotene
PM: Plasma Membrane
RIM: Rab Interacting Molecule
RIM-BP: RIM Binding Protein
ROS: Reactive Oxygen Species
sAC: soluble Adenylyl Cyclase
SAM: Sterile Alpha Motif
SDS-PAGE: Sodium Dodecyl Sulphate – Polyacrylamide Gel Electrophoresis
SNAP: Synaptosomal-associated protein
SNARE: SNAP (Soluble NSF Attachment Protein) Receptor
SOC: Store Operated Channels
SSC: Spermatogonial Stem Cell
TAE buffer: Tris, Acetate EDTA Buffer
Tsp: Testicular Sperm
VAMP: Vesicle Associated Membrane Protein
VDCC: Voltage Dependent Calcium Channel
VOCC: Voltage Operated Calcium Channels
WB: Western Blot
Z: Zygotene
ZP: Zona Pellucida
ZP-R: Zona Pellucida Receptor