

## List of Abbreviations

Abbreviation	Full form
1D	One dimensional
2D	Two dimensional
4D	Four dimensional
AFNI	Analysis of Functional NeuroImages
BFN	Brain Functional Networks
BiNGO	Biological Networks Gene Ontology Tool
BOLD	Blood Oxygen Level Dependent
CCF	Cross-Correlation Function
CeNN	<i>C. elegans</i> Neuronal Network
COBRE	Centers of Biomedical Research Excellence
DCP	Distance Constraint Synaptic Plasticity
DCR	Distance Constraint Random
DD	Degree Distribution Conserved
DNC	Dorsal Nerve Cord
DSM	Diagnostic and Statistical Manual of Mental Disorders
EEG	Electro Encephalo Gram
ER	Erdős-Rényi random control
FFM	Feed Forward Motif
fMRI	functional Magnetic Resonance Imaging
FN	False Negative
FP	False Positive
FSL	fMRI Software Library
GCN	Gene Co-expression Network
GO	Gene Ontology
ICA	Independent Component Analysis
MEG	Magnetoencephalography
MTA	Motif Tuning Algorithm
PET	Positron Emission Tomography
R-fMRI	Resting-state fMRI
SVM	Support Vector Machine
TE	Echo Time
TN	True Negative
TP	True Positive
TR	Repetition Time
VNC	Ventral Nerve Cord

