### LIST OF ABBREVIATIONS

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Full Form</th>
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</thead>
<tbody>
<tr>
<td>[¹²³I]ADAM</td>
<td>Iodine-labeled 2-([2-((dimethylamino)methyl)phenyl]thio)-5-iodophenylamine</td>
</tr>
<tr>
<td>[¹²³I]FP-CIT</td>
<td>Iodine-labeled N-omega-fluoropropyl-2β-carbomethoxy-3β-(4-iodophenyl)nortropane</td>
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<tr>
<td>[¹²³I]BZM</td>
<td>Iodine-labeled (S)-2-hydroxy-3-iodo-6-methoxy-N-[(1-ethyl-2-pyrrolidinyl)methyl] benzamide</td>
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<tr>
<td>[¹⁸F]FDG</td>
<td>Fluor-labeled fluorodeoxyglucose</td>
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<tr>
<td>ACC</td>
<td>Anterior cingulate gyrus</td>
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<tr>
<td>AD</td>
<td>Alzheimer’s disease</td>
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<tr>
<td>Amyg</td>
<td>Amygdala</td>
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<tr>
<td>AN(C)OVA</td>
<td>Analysis of (co)variance</td>
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<tr>
<td>AUC</td>
<td>Area under curve</td>
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<tr>
<td>BDI</td>
<td>Beck Depression Inventory</td>
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<tr>
<td>BIS</td>
<td>Barratt Impulsiveness Scale</td>
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<tr>
<td>BMI</td>
<td>Body mass index</td>
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<tr>
<td>BOLD</td>
<td>Blood oxygenation level dependent</td>
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<tr>
<td>bpm</td>
<td>Beats per minute</td>
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<tr>
<td>BP&lt;sub&gt;ND&lt;/sub&gt;</td>
<td>Non-displaceable binding potential</td>
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<tr>
<td>CB&lt;sub&gt;1&lt;/sub&gt;</td>
<td>Cannabinoid-1</td>
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<tr>
<td>CC</td>
<td>Cingulate cortex</td>
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<tr>
<td>DART</td>
<td>Dutch adult reading test</td>
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<tr>
<td>DAT</td>
<td>Dopamine transporter</td>
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<tr>
<td>DBS</td>
<td>Deep brain stimulation</td>
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<tr>
<td>DDT</td>
<td>Delay discounting task</td>
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<tr>
<td>DIO</td>
<td>Diet-induced obesity</td>
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<tr>
<td>DLPCF</td>
<td>Dorsolateral prefrontal cortex</td>
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<tr>
<td>DRD&lt;sub&gt;2/3&lt;/sub&gt;</td>
<td>Dopamine D&lt;sub&gt;2/3&lt;/sub&gt; receptor</td>
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<tr>
<td>DTI</td>
<td>Diffusion tensor imaging</td>
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<tr>
<td>DWI</td>
<td>Diffusion weighted imaging</td>
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<tr>
<td>ECD-SPECT</td>
<td>Ethyl-cysteine-dimer SPECT</td>
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<tr>
<td>EPI</td>
<td>Echo-planar imaging</td>
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<tr>
<td>FA</td>
<td>Flip angle; or fractional anisotropy</td>
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<tr>
<td>FLAIR</td>
<td>Fluid-attenuated inversion recovery</td>
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<tr>
<td>fMRI</td>
<td>Functional MRI</td>
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<tr>
<td>FWE</td>
<td>Family-wise error</td>
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<tr>
<td>FWHM</td>
<td>Full width at half maximum</td>
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<tr>
<td>G-FCQ-S</td>
<td>General food craving questionnaire - state</td>
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<tr>
<td>GABA</td>
<td>Gamma aminobutyric acid</td>
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<tr>
<td>GLP-1</td>
<td>Glucagon-like peptide-1</td>
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<tr>
<td>GWAS</td>
<td>Genome-wide association studies</td>
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<tr>
<td>HC</td>
<td>Hippocampus</td>
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<tr>
<td>HDL</td>
<td>High-density lipoprotein</td>
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</tbody>
</table>
HF
HFHS(-hf/lf)
HOMA-IR
Hthlms
IFG
ICS
IGT
InsI
LDL
MCC
MCI
MDMA
MFDT
MFG
MNI
MRI
MRS
ms
NAcc
NW
OB
OC
OFC
OW
PASAT
PC
PET
PCC
PFC
PMC
RAVLT
ROI
rTMS
sat.
SBR
SD
s.e.m.
SERT
SFG
SMA
SNP
SPECT
SSC
SSRI

high-fat
high-fat high-sugar (high-fat/low-fat)
homeostasis model of assessment – insulin resistance
hypothalamus
inferior frontal gyrus
implantable gastric stimulator
Iowa Gambling Task
insula
low-density lipoprotein
middle cingulate gyrus
mild cognitive impairment
3,4-methylenedioxy-N-methamphetamine
Memory for Design Test
middle frontal gyrus
Montreal Neurological Institute (brain template)
magnetic resonance imaging
magnetic resonance spectroscopy
millisecond
nucleus accumbens
normal weight
obese
occipital cortex
orbitofrontal cortex
overweight
Paced Auditory Serial Addition Test
parietal cortex
positron emission tomography
posterior cingulate gyrus
prefrontal cortex
premotor cortex
Rey Auditory Verbal Learning Test
region of interest
repetitive transcranial magnetic stimulation
satiated
striatal binding ratio
standard deviation
standard error mean
serotonin transporter
superior frontal gyrus
supplementary motor area
single nucleotide polymorphism
single photon emission computed tomography
somatosensory cortex
selective serotonin reuptake inhibitor
SSRT | stop signal reaction time  
SST  | stop signal task  
Strtm| Striatum  
T   | Tesla; or tesofensine group (chapter 6)  
T-C | tesofensine group for observation of chronic post-treatment effects  
TC  | temporal cortex  
TE  | echo time  
Thlms| thalamus  
TR  | repetition time  
UW  | underweight  
V   | vehicle group  
V-RD| vehicle group with restricted diet  
VAS | visual analogue scale  
VNTR| variable number of tandem repeat