Appendix D:
Abbreviations and Neurological Adjectives

ANN = Artificial Neural Network

Aux(il). = auxiliary (ch., sec., literature)

ch., chs. = chapter(s)

eq., eqs. = equation(s) / **fig., figs.** = figure(s)

fMRI = functional Magnetic Resonance Imaging

HNeT = Holographic Neural Technology (recently, **HQNeT** = Holographic Quantum Neural Technology)

ICA = Independent Component Analysis

infomax = INFOrmation MAXimization (i.e., a model / algorithm / network that maximally preserves information)

ITC = Inferior Temporal Cortex

J. = (The) Journal (of)(the)… (used in bibliography)

LGN = Lateral Geniculate Nucleus (a part of thalamus)

LTP = Long-Term Potentiation; LTD = Long-Term Depression

MT(C) = Medial Temporal (Cortex)

NMR = Nuclear Magnetic Resonance

PCA = Principal Component Analysis

PDP = Parallel Distributed Processing (many processes take place simultaneously in many areas of a network)

PET = Positron Emission Tomography
sec., secs. = section(s)

NEUROLOGICAL DESCRIPTIONS OF LOCATIONS IN THE BRAIN

Mainly based on Latin. Adapted from: R.M. Youngson: *Collins Dictionary of Medicine*. Harper Collins Publ., Glasgow, 1992.

basal = pertaining to, situated at or forming a base / **caudal** = pertaining to the tail end (of the brain, body,…)

contralateral = pertaining to the opposite side (of the body)

dorsal = relating to the back

frontal = pertaing to the forehead

inferior = situated below / **superior** = above / **anterior** = at or towards the front of the body (**ante** = before, in front of)

ipsilateral = pertaining to the same side (of the body)

lateral = of, at or towards the side (**contra-lateral** = opposite side; **ipsi-lateral** = same side)

medial = middle / **nasal** = pertaining to, near to, toward the nose

occipital = rear lobe (of the main brain)

parietal = pertaining to the wall or outer surface (of the brain)

peri = round about, surrounding / **pre** = before, preceding to or prior to / **sub** = under, less / **hyper** = above, beyond, over

temporal = pertaining to the temples

ventral = pertaining to the front; venter (Lat.) = belly

0 more pages are available in the full version of this document, which may be purchased using the "Add to Cart" button on the publisher's webpage: www.igi-global.com/chapter/appendix-abbreviations-neurological-adjectives/50514

Related Content

Recognition of Translation Initiation Sites in Arabidopsis Thaliana
Haitham Ashoor, Arturo M. Mora, Karim Awara, Boris R. Jankovic, Rajesh Chowdhary, John A.C. Archerand Vladimir B. Bajic (2012). *Systemic Approaches in Bioinformatics and Computational Systems Biology: Recent Advances (pp. 105-116).*
www.irma-international.org/chapter/recognition-translation-initiation-sites-arabidopsis/60830

Data Mining for Biologists
Koji Tsuda (2012). *International Journal of Knowledge Discovery in Bioinformatics (pp. 1-14).*
www.irma-international.org/article/data-mining-for-biologists/101239

Seekbio: Retrieval of Spatial Relations for System Biology
Christophe Jouis, Magali Roux-Rouquiéand Jean-Gabriel Ganascia (2009). *Information Retrieval in Biomedicine: Natural Language Processing for Knowledge Integration (pp. 344-355).*
www.irma-international.org/chapter/seekbio-retrieval-spatial-relations-system/23070

An Approach for ECG Characterization and Classification Using the Combination of Wavelet Transform and Decision Tree Methods
Faiza Charfiand Ali Kraiem (2012). *International Journal of Systems Biology and Biomedical Technologies (pp. 72-81).*
www.irma-international.org/article/approach-ecg-characterization-classification-using/70018

Buddhism and Human Genetic Research
Somparn Promta (2011). *Genomics and Bioethics: Interdisciplinary Perspectives, Technologies and Advancements (pp. 1-14).*
www.irma-international.org/chapter/buddhism-human-genetic-research/47289