

# Index of Abbreviations

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- AHP anterior hypothalamic area, posterior part 47-52, 164-165, 186-187

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- Ang angular thalamic nucleus 53-55, 169, 197
- ANS accessory neurosecretory nuclei 43-50, 166, 185-186, 189
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- AOD anterior olfactory area, dorsal part 4-7, 168-169, 193, 196-200
- AOE anterior olfactory area external part 3-5, 166-167
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- AOM anterior olfactory nucleus, medial part 4-7, 164-167, 193, 195
- AOP anterior olfactory area posterior part 9-11, 164-168, 188-194
- aot accessory olfactory tract 46
- AOV anterior olfactory area, ventral part 4-5, 165-167, 191-192, 194
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- APir amygdalopiriform transition area 64-88, 178, 180-186
- APit anterior lobe of the pituitary 162-170, 181
- apmf ansoparamedian fissure 139-150, 168-172, 174, 196-198
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- APTD anterior pretectal nucleus, dorsal part 69-79, 167, 169-172, 201-202
- APTV anterior pretectal nucleus, ventral part 70-79, 169-172, 194-196
- Aq aqueduct 74-103, 162-164, 195-199
- Arc arcuate hypothalamic nucleus 47-48, 162-164, 181
- ArcD arcuate hypothalamic nucleus, dorsal part 49-61
- ArcL arcuate hypothalamic nucleus, lateral part 49-61
- ArcLP arcuate hypothalamic nucleus, lateroposterior part 62-68

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- as acoustic stria 169
- asc7 ascending fibers of the facial nerve 121-126, 165, 167, 184, 186
- asp anterior spinal artery 137, 139-142, 144-145
- ASt amygalostratial transition area 46-50, 54-61, 178-180, 187-188, 190
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- Au1 primary auditory cortex 60-90, 197-206
- AuD secondary auditory cortex, dorsal area 58-90, 195-207
- AuV secondary auditory cortex, ventral area 60-90, 194-202
- AV anteroventral thalamic nucleus 42
- AVDM anterovent thalamic nucleus, dorsomedial part 43-53, 167-169, 197-201
- AVPe anteroventral periventricular nucleus 32-34, 162, 185-187
- AVVL anteroventral thalamic nucleus, ventrolateral part 43-51, 167-169, 195-201
- azac azygous anterior cerebral artery 10-15
- azp azygous pericallosal artery 11-18

## B

- B basal nucleus (Meynert) 36-55, 57-59, 171-180, 187-195
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- BAOT bed nucleus of the accessory olfactory tract 46-51, 171, 181-182
- Bar Barrington's nucleus 108-112, 166, 189-191
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- bic brachium of the inferior colliculus 82-102, 173-175, 193-205
- BL basolateral amygdaloid nucleus 183
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- BLP basolateral amygdaloid nucleus, posterior part 53-72, 178-180, 183-186
- BLV basolateral amygdaloid nucleus, ventral part 49-61, 179-183
- BMA basomedial amygdaloid nucleus, anterior part 43-56, 175-178, 182-184
- BMP basomedial amygdaloid nucleus, posterior part 54-67, 176-186
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- bsc brachium of the superior colliculus 69-86, 165, 167, 169, 171-177, 197-204

## C

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- CA2 field CA2 of the hippocampus 48-77, 163-165, 167-180, 186-207
- CA3 field CA3 of the hippocampus 47-52, 54-81, 83-84, 163-165, 167-180, 184-207

CAT nucleus of the central acoustic tract 105-109, 168-169, 181

CB cell bridges of the ventral striatum 24-34, 167, 169, 185-187

cbc cerebellar commissure 120-122, 124

cbw cerebellar white matter 108-156, 162-167, 169-172, 174-180, 200

CC central canal 147-162, 182-186

cc corpus callosum 14-74, 162-180, 204-207

Ce central amygdaloid nucleus 189

CeC central amygdaloid nucleus, capsular part 46-61, 176-179, 185-188

CeCv central cervical nucleus 149-161

CeL central amygdaloid nucleus, lateral part 49-60, 177-178, 188

CeM central amygdaloid nucleus, medial part 45-57, 174-177, 185-188

CeMe central mesencephalic nucleus 84-87, 168-170, 195-196

CEnt caudomedial entorhinal cortex 89-112, 176-180, 186-205

CG central gray 106-108, 112-114, 162, 189, 192

cg cingulum 11-83, 166-170, 198-207

CGA central gray, alpha part 109-118, 162-164, 188-189

CGB central gray, beta part 109-115, 164

CGG central gray, gamma 115-118, 165, 188

CGO central gray, nucleus O 110-114, 188-190

chp choroid plexus 34-76, 118-119, 124-143, 145-146, 163, 166, 168, 170, 189-190, 204-205

CI caudal interstitial nucleus of the medial longitudinal fasciculus 122-128, 131-133, 162

CIC central nucleus of the inferior colliculus 98-109, 165-172, 196-207

cic commissure of the inferior colliculus 98-102, 162-165, 202-206

Cir circular nucleus 45, 185

CL centrolateral thalamic nucleus 51-69, 167-168, 197-201

Cl claustrum 8-14, 167-168, 171-180, 189, 194-203

CLi caudal linear nucleus of the raphe 85-95, 162-164, 187-191

dll commissure of the lateral lemniscus 100-103

CM central medial thalamic nucleus 44-66, 162-164, 192-197

CnF cuneiform nucleus 171-172, 195-197

CnFD cuneiform nucleus, dorsal part 101-106, 167-170, 198

CnFI cuneiform nucleus, intermediate part 98-105, 168-170

CnFV cuneiform nucleus, ventral part 98-105, 168-170, 194

Com commissural nucleus of the inferior colliculus 99-102, 162-163, 206-207

Cop copula of the pyramis 135-154, 167-176, 190-199

cp cerebral peduncle 61-93, 165, 167-173, 175-176, 184-191

CPO caudal periolivary nucleus 121, 168

CPu caudate putamen (striatum) 12-66, 166-171, 173-180, 187-207

Crus1 crus 1 of the ansiform lobule 117-141, 169-180, 195-207

Crus2 crus 2 of the ansiform lobule 132-150, 168-180, 195-203, 205

csc commissure of the superior colliculus 76-86, 162-164, 200-201

CST nucleus of the commissural stria terminalis 35, 194

est commissural stria terminalis 39, 41-64, 175-177, 184-188, 192

Ct conterminal nucleus 152-155, 168

ctg central tegmental tract 167

Cu cuneate nucleus 140-161, 165-169, 185, 187-190

cu cuneate fasciculus 143-161, 165-168, 170, 185, 187-189

CuR cuneate nucleus, rotundus part 147-154

CVL caudoventrolateral reticular nucleus 138-145, 150-151, 170-171

CxA cortex-amygdala transition zone 174, 176, 181-184

CxA1 cortex amygdala transition zone, layer 1 34-47, 177-178

CxA3 cortex amygdala transition zone, layer 3 175, 179, 185

## D

D3V dorsal 3rd ventricle 42-76, 162-164, 198-203

DA dorsal hypothalamic area 52-60, 163-164, 187

DA11 DA11 dopamine cells 58-70, 163, 187-188, 191-192

DA13 DA13 dopamine cells 50-57, 165-166, 188

DA14 DA14 dopamine cells 36-37, 163, 190-191

das dorsal acoustic stria 126-129, 168

DC dorsal cochlear nucleus 169-171, 176-177, 187-189, 191

DCDp dorsal cochlear nucleus, deep layer 121-130, 173-175, 189-191

DCFu dorsal cochlear nucleus, fusiform layer 121-131, 173-175, 189-191

DCIC dorsal cortex of the inferior colliculus 101-110, 162-169, 201-207

DCl dorsal claustrum 15-49, 192-193

DCMo dorsal cochlear nucleus, molecular layer 121-131, 173-175, 189-191

dcs dorsal corticospinal tract 160-161

dCW deep cerebral white matter 55-59, 61-72, 74-98, 184-186, 198-207

DEn dorsal endopiriform nucleus 8-70, 165, 167-180, 184-195

df dorsal fornix 40-68, 162, 164, 166, 205-207

DG dentate gyrus 66, 164-165, 169, 171, 177, 183, 186-187

dhc dorsal hippocampal commissure 49-92, 162-168, 170, 203-207

DI dysgranular insular cortex 10-57, 174-180, 191-196

DIEnt dorsal intermediate entorhinal cortex 85-95, 183, 185-192, 195

Dk nucleus of Darkschewitsch 72-82, 163-164, 192-195

DLEnt dorsolateral entorhinal cortex 59-107, 183-184, 186-199

DLG dorsal lateral geniculate nucleus 60-78, 174-178, 197-203

DLL dorsal nucleus of the lateral lemniscus 100-106, 172-174, 192-194

DLO dorsolateral orbital cortex 6-7, 198-204

dlo dorsal lateral olfactory tract 3-4

DLPAG dorsolateral periaqueductal gray 82-101, 164-165, 200-201

DM dorsomedial hypothalamic nucleus 63-64, 164-165, 182-184

DMC dorsomedial hypothalamic nucleus, compact part 58-62, 163-164, 185-186

DMD dorsomedial hypothalamic nucleus, dorsal part 52-62, 163-164, 185-186

DMPAG dorsomedial periaqueductal gray 77-106, 162-164, 200-206

DMSp5 dorsomedial spinal trigeminal nucleus 120-140, 171, 187

DMTg dorsomedial tegmental area 105-115, 163-166, 187-189

DMV dorsomedial hypothalamic nucleus, ventral part 59-62, 163

DP dorsal peduncular cortex 9-18, 162-165, 195-198

DpG deep gray layer of the superior colliculus 78-100, 163-170, 196-204

DPGi dorsal paragigantocellular nucleus 120-132, 163-165, 184-186

DPO dorsal periolivary region 113-116, 118-120, 169

DPPn dorsal peduncular pontine nucleus 91-92, 165

DpWh deep white layer of the superior colliculus 79-100, 164-168, 197-203

DR dorsal raphe nucleus 111, 192-194

DRC dorsal raphe nucleus, caudal part 104-110, 162, 164, 191

DRD dorsal raphe nucleus, dorsal part 93-103, 162-163, 195-197

DRL dorsal raphe nucleus, lateral part 93-100

DRV dorsal raphe nucleus, ventral part 93-103, 162-164

DS dorsal subiculum 74-90, 167-180, 202-207

dsc dorsal spinocerebellar tract 150, 152-161, 182

dsc/oc dorsal spinocerebellar tract and olivocerebellar track 135, 137-149, 151, 185-186, 188-189

DT dorsal terminal nucleus 83-87, 173-174

DTgC dorsal tegmental nucleus, central part 107-110, 162-164, 191

DTgP dorsal tegmental nucleus, pericentral part 104-110, 162-164, 191-192

dtgx dorsal tegmental decussation 84-89, 162-164, 191, 193-194

DTM dorsal tuberomamillary nucleus 63-65, 163, 181, 183

DTr dorsal transition zone 8-9, 164-166, 196

DTT dorsal tenia tecta 9-14, 164-166, 192-193, 195-199

DTT1 dorsal taenia tecta layer 1 8, 194

DTT2 dorsal taenia tecta layer 2 163

## E

E ependyma and subependymal layer 14-39, 163, 166-168, 170

E/OV ependymal and subendymal layer/olfactory ventricle 196-198

E5 ectotrigeminal nucleus 143-144, 175

EA extension of the amygdala 39-48, 169-175, 185-191

ec external capsule 13-66, 173, 175-180, 188-206

ECIC external cortex of the inferior colliculus 91-98, 100, 104-110, 165-174, 196-198, 200-206

ECIC1 external cortex of the inferior colliculus, layer 1 199

ECIC3 external cortex of the inferior colliculus, layer 3 99, 101-103, 171

Ect ectorhinal cortex 58-111, 178-180, 193-207

ECu external cuneate nucleus 135-151, 168-172, 188-191

EF epifascicular nucleus 132-134

EGP external part of globus pallidus 35-39, 41-59, 176-180, 189-199

ELm epilemniscal nucleus 82, 190

eml external medullary lamina 47-65, 171-173, 175, 177, 193-199

EP entopeduncular nucleus 49-56, 171-175, 188-191

EPI external plexiform layer of the olfactory bulb 1-5, 164

EPIA external plexiform layer of the accessory olfactory b 3-4

EpP epipeduncular nucleus 78-80

ERS epirobrospinal nucleus 98-99, 169-170, 188

ESO episupraoptic nucleus 39-45, 167-169, 183

Eth ethmoid thalamic nucleus 70-73, 167-172, 192-196

EVe nucleus of origin of efferents of the vestibular nerve 116-125, 166, 187-188

EW Edinger-Westphal nucleus 84-90, 163, 194-195

## F

F nucleus of the fields of Forel 67-71, 167-169, 189-191

f fornix 34-72, 162-166, 170, 183-201

FC fasciola cinereum 57-75, 77, 205-207

fi fimbria of the hippocampus 31-68, 164-165, 169, 171-180, 194-206

Fl flocculus 107-125, 176-179, 189-193

fmi forceps minor of the corpus callosum 8-13, 166-176, 179, 198-207

fmj forceps major of the corpus callosum 77-92, 94, 96-101, 166-173, 175-180, 204-207

fr fasciculus retroflexus 58-80, 164-166, 185-199

Fr3 frontal cortex, area 3 7-12, 163, 175-180, 202-203, 205-207

FrA frontal association cortex 4-5, 164-174, 204-207

Fu bed nucleus of stria terminalis, fusiform part 32-36, 167-168

FVe F cell group of the vestibular complex 137-140, 169, 188

## G

g7 genu of the facial nerve 118-124, 164-165, 187

gcc genu of the corpus callosum 14-18, 162-165, 201-203

Ge5 gelatinous layer of the caudal spinal trigeminal nucleus 158-161, 169-170, 182-183

Gem gemini hypothalamic nucleus 66-70, 165, 187-188

GI granular insular cortex 12-57, 177-180, 193-199

Gi gigantocellular reticular nucleus 119-148, 162-168, 181-186

GiA gigantocellular reticular nucleus, alpha part 119-133, 162-164

GiV gigantocellular reticular nucleus, ventral part 134-143, 162-165

Gl glomerular layer of the olfactory bulb 1-5, 163

GLA glomerular layer of the accessory olfactory bulb 4-5, 167-169

Gr gracile nucleus 144-166, 188-189

gr gracile fasciculus 153-162, 164, 166

GrA granule cell layer of the accessory olfactory bulb 1-5, 167

GrC granule cell layer of the cochlear nuclei 109-128, 175, 188-190

GrCb granule cell layer of cerebellum 120, 122, 125, 131, 134, 162-167, 169-180, 189, 197, 199-201

GrDG granule cell layer of the dentate gyrus 47-89, 162-163, 166-168, 170-180, 184-185, 188-207

GrO granule cell layer of the olfactory bulb 1-6, 164

h2 h2 field of Forel 61-62, 64-65

hbc habenular commissure 67-72, 162-163, 202

HDB nucleus of the horizontal limb of the diagonal band 24-46, 165-172, 182-187

hif hippocampal fissure 54-85, 163, 165, 167-178, 185-207

Hil hilus of the dentate gyrus 169, 173, 175, 177, 189, 197, 200-201, 205-206

## I

I intercalated nuclei of the amygdala 39-40, 42-48, 52-60, 174-179, 183-186

I8 interstitial nucleus of the vestibular part of the 8th nerve 118, 121-123, 176-177, 186

ia internal arcuate fibers 151-156

IAD interanterodorsal thalamic nucleus 44-48, 164-165, 196-198

IAM interanteromedial thalamic nucleus 47-51, 162-163, 193-195

IB interstitial basal nucleus of the medulla 156-161

IC inferior colliculus 111

ic internal capsule 33-68, 70-71, 169, 171-180, 187-201

icf intercrural fissure 132-140, 169-180, 195-202

ICj island of Calleja 10, 12-32, 163-165, 167-169, 171, 173, 182-187

ICjM island of Calleja, major island 15-16, 18-24, 164, 190-194

icp inferior cerebellar peduncle 116-118, 120-143, 168-169, 171-176, 185-192, 194-195

ictd internal carotid artery 41-45, 47, 181-184

ID interstitial nucleus of the decussation of the superior cerebellar peduncle 89-92

IEn intermediate endopiriform nucleus 8-39, 169-178, 185-192

IF interfascicular nucleus 75-87, 162-163

IF5 interfascicular trigeminal nucleus 108-111, 171-172, 184-186

IG indusium griseum 14-76, 162-164, 200-207

IGL intergeniculate leaflet 65-75, 176-178, 195-199

IGP internal part of globus pallidus 41-46, 171-175, 189-199

II intermediate interstitial nucleus of the medial longitudinal fasciculus 115-116, 163

ILL intermediate nucleus of the lateral lemniscus 99-105, 173-174, 190-191

IM intercalated amygdaloid nucleus, main part 49-51, 177, 184

IMA intramedullary thalamic area 65-78, 175, 199-203

IMD intermediodorsal thalamic nucleus 53-64, 162-163, 195-199

IMG amygdaloid intramedullary gray 54-56, 189-190

iml internal medullary lamina 44, 50, 53, 65, 167, 196, 198

imvc intermedioventral thalamic commissure 60, 194

In intercalated nucleus 140-141

InC interstitial nucleus of Cajal 75-90, 164, 192-194

InCSh interstitial nucleus of Cajal, shell region 75-84, 165, 193-195

InfS infundibular stem 62-65, 162

InG intermediate gray layer of the superior colliculus 77-99, 164-173, 198-205

InM intermedius nucleus of the medulla 142-147

IntA interposed cerebellar nucleus, anterior part 122-129, 167-173, 194-197

IntDL interposed cerebellar nucleus, dorsolateral hump 123-132, 173-174, 196-197

IntDM interposed cerebellar nucleus, dorsomedial crest 124-127, 130-131

IntP interposed cerebellar nucleus, posterior part 128-133, 167-172, 192-196

IntPPC interposed cerebellar nucleus, posterior parvicellular 128-131, 168, 171

InWh intermediate white layer of the superior colliculus 76-99, 164-172, 198-205

IOA inferior olive, subnucleus A of medial nucleus 148-154, 165-166

IOB inferior olive, subnucleus B of medial nucleus 146-154

IOBe inferior olive, beta subnucleus of the medial nucleus 146-153, 162-163

IOC inferior olive, subnucleus C of medial nucleus 146-154, 162-164

IOD inferior olive, dorsal nucleus 134-149, 162-168

IODM inferior olive, dorsomedial cell group 142-143

IOK inferior olive, cap of Kooy of the medial nucleus 147-151, 162

IOM inferior olive, medial nucleus 134-145, 155-156, 162-163

IOPr inferior olive, principal nucleus 133-147, 163-166

IOVL inferior olive, ventrolateral protrusion 144-146

IP interpeduncular nucleus 164

IPA interpeduncular nucleus, apical subnucleus 89-92, 162-163, 186

IPAC interstitial nucleus of the posterior limb of the anterior commissure 28-34, 44-45, 169-171, 173-177, 187-191

IPACL interstitial nucleus of the posterior limb of the anterior commissure, lateral part 35-43

IPACM interstitial nucleus of the posterior limb of the anterior commissure, medial part 35-43

IPC interpeduncular nucleus, caudal subnucleus 80-93, 162-163, 184-186

IPDL interpeduncular nucleus, dorsolateral subnucleus 85-90

IPDM interpeduncular nucleus, dorsomedial subnucleus 84-87

ipf interpeduncular fossa 75-80, 162-165, 185-186

IPI interpeduncular nucleus, intermediate subnucleus 87-91, 162-163, 184-186

IPit intermediate lobe of the pituitary 162-164, 181

IPL interpeduncular nucleus, lateral subnucleus 80-93, 184-186

IPI internal plexiform layer of the olfactory bulb 1-5, 164

IPR interpeduncular nucleus, rostral subnucleus 79-88, 162-163, 184-186

IRe infundibular recess 162

IRt intermediate reticular nucleus 117-119, 133-161, 165-172, 181-186

IRtA intermediate reticular nucleus, alpha part 120-132, 167-169, 181-183, 186

IS inferior salivatory nucleus 126-135, 162-163, 165-169, 171, 173

isRt isthmic reticular formation 92-103, 166-169, 191-194

IVF interventricular foramen 39-42, 165, 167-168, 197, 199

**J**

JPLH juxtaparaventricular part of the lateral hypothalamus 45-48, 165, 188

JxO juxtaolivary nucleus 134-141, 165-166

**K**

KF Kolliker-Fuse nucleus 105-110, 172-173, 188-190

**L**

LA lateroanterior hypothalamic nucleus 40-45, 164-166, 183-185

LAcSh lateral accumbens, shell region 15-26, 171-173, 187-189

LaDL lateral amygdaloid nucleus, dorsolateral part 50-67, 180, 189-191

Lat lateral (dentate) cerebellar nucleus 122-130, 173-175, 192-197

LatPC lateral cerebellar nucleus, parvicellular part 124-128, 172-175, 192-193

LaV lateral amygdaloid nucleus, ventral part 186

LaVL lateral amygdaloid nucleus, ventrolateral part 55-61, 180

LaVM lateral amygdaloid nucleus, ventromedial part 55-67, 180

LC locus coeruleus 112-119, 167, 189-192

LD laterodorsal thalamic nucleus 169, 203

Ld lambdoid septal zone 23-30, 162-164, 194-199

LDB lateral nucleus of the diagonal band 32-41, 43-46, 171-173, 183-186

LDDM laterodorsal thalamic nucleus, dorsomedial part 50-59, 167-168, 199-202

LDTg laterodorsal tegmental nucleus 101-112, 165-166, 190-195

LDTgV laterodorsal tegmental nucleus, ventral part 104-108, 165-168, 190-192

LDVL laterodorsal thalamic nucleus, ventrolateral part 48-61, 170-175, 200-202

lfp longitudinal fasciculus of the pons 94-107, 163-165, 167-169, 181-184

LHb lateral habenular nucleus 52-56, 69, 164, 166

LHbL lateral habenular nucleus, lateral part 57-68, 165, 200-201

LHbM lateral habenular nucleus, medial part 57-68, 200-201

Li linear nucleus of the hindbrain 135-143, 168, 170, 181, 183

ll lateral lemniscus 92-108, 167-174, 181-196

LM lateral mamillary nucleus 68-73, 165, 167-168, 182-183

LMol lacunosum moleculare layer of the hippocampus 54-89, 166-171, 173-180, 189-207

LO lateral orbital cortex 5-13, 167-175, 177, 193, 195-205

lo lateral olfactory tract 3-44, 165-178, 180, 182-201

lofr lateral orbitofrontal artery 5, 7-15

LOT nucleus of the lateral olfactory tract 37, 181-184

LOT1 nucleus of the lateral olfactory tract, layer 1 38-45, 171

LOT2 nucleus of the lateral olfactory tract, layer 2 172-174

LP lateral posterior thalamic nucleus 171, 175, 177, 199, 203

LPAG lateral periaqueductal gray 77-105, 162-166, 196-197

LPB lateral parabrachial nucleus 105-108, 111-114, 167, 169-171, 191-195

LPBC lateral parabrachial nucleus, central part 106-110

LPBCr lateral parabrachial nucleus, crescent part 107-110

LPBD lateral parabrachial nucleus, dorsal part 107-110

LPBE lateral parabrachial nucleus, external part 106-111, 171-172

LPBI lateral parabrachial nucleus, internal part 107-113, 168, 194-195

LPBS lateral parabrachial nucleus, superior part 105-106, 171, 194

LPBV lateral parabrachial nucleus, ventral part 107-113, 168

LPGi lateral paragigantocellular nucleus 119-120, 132-142, 165-169

LPGiA lateral paragigantocellular nucleus, alpha part 121-131, 166

LPGiE lateral paragigantocellular nucleus, external part 121-136

LPLC lateral posterior thalamic nucleus, laterocaudal part 71-78, 173-174, 200-202

LPLR lateral posterior thalamic nucleus, laterorostral part 62-71, 172-174, 200-202

LPMC lateral posterior thalamic nucleus, mediocaudal part 70-81, 173-175, 200-202

LPMR lateral posterior thalamic nucleus, mediorostral part 59-72, 167-170, 172, 199-202

LPO lateral preoptic area 29-42, 165-169, 183-191

LpTA lateral parietal association cortex 59-61, 63-67, 173-180

LR4V lateral recess of the 4th ventricle 113-140, 168-177, 188-192

LRt lateral reticular nucleus 142-157, 167-172

LRtPC lateral reticular nucleus, parvicellular part 148-157, 171-172

LRtS5 lateral reticular nucleus, subtrigeminal part 143-150, 173

LSD lateral septal nucleus, dorsal part 16-41, 164-166, 199-205

LSI lateral septal nucleus, intermediate part 14-37, 162-167, 192-204

LSO lateral superior olive 112-122, 169-171, 181

LSS lateral stripe of the striatum 14-38, 171, 173-178, 188-189

LSV lateral septal nucleus, ventral part 16-36, 165-168, 193-198

LT lateral terminal nucleus of the accessory optic tract 71-78, 176-177, 192

LTer lamina terminalis 35-37, 162, 184, 195-196

Lth lithoid nucleus 71-76, 164, 193-196

LV lateral ventricle 13-97, 166-180, 185-193, 195-207

LVe lateral vestibular nucleus 122-127, 169-171, 188-194

LVPO lateroventral periolivary nucleus 109-119, 169, 171, 181

**M**

M1 primary motor cortex 7-59, 167-180, 204, 207

M2 secondary motor cortex 6-60, 163-174

m5 motor root of the trigeminal nerve 88-115, 171-173, 181-188

MA3 medial accessory oculomotor nucleus 75-83, 162-164, 192-194

mcer middle cerebral artery 23-38, 40, 165-166

mch medial corticohypothalamic tract 38, 40-41, 189-192

MCLH magnocellular nucleus of the lateral hypothalamus 54-59, 169-171, 185-186

mcp middle cerebellar peduncle 92-118, 170-177, 181, 183-195

MCPC magnocellular nucleus of the posterior commissure 71-78, 165-166, 196-197

MD mediodorsal thalamic nucleus 47-50, 194-195

MDC mediodorsal thalamic nucleus, central part 55-61, 165-166, 196-199

MdD medullary reticular nucleus, dorsal part 149-161, 166-172, 182-186

MDL mediodorsal thalamic nucleus, lateral part 50-66, 165-168, 196-201

MDM mediodorsal thalamic nucleus, medial part 51-58, 60-66, 164, 196-200

mDR mesencephalic part of the dorsal raphe 90-92, 163, 196-197

MdV medullary reticular nucleus, ventral part 149-161, 165-168, 181-184

ME median eminence 48, 162

Me5 mesencephalic trigeminal nucleus 86-107, 109-116, 166-167, 169, 190-199

me5 mesencephalic trigeminal tract 86-115, 165-169, 188-194, 196-199

MeAD medial amygdaloid nucleus, anterodorsal 42-55, 171-175, 182-187

MeAV medial amygdaloid nucleus, anteroventral part 47-54, 171-174, 181-182

Med medial cerebellar nucleus 124-133, 164-167, 192-197

MedDL medial cerebellar nucleus, dorsolateral protuberance 127-133, 166-168, 196-199

MedL medial cerebellar nucleus, lateral part 127-131, 166, 168, 196

MEE medial eminence, external layer 49-61

MEI medial eminence, internal layer 49-61

MEnt medial entorhinal cortex 87-105, 175, 177-180, 182-199

MEntR medial entorhinal cortex, rostral part 82-86

MePD medial amygdaloid nucleus, posterodorsal part 53-63, 172-176, 184-188

MePV medial amygdaloid nucleus, posteroventral part 55-63, 171-174, 181-184

mfb medial forebrain bundle 12-31, 40-70, 167-169, 171, 183-188

mfa medial forebrain bundle, 'a' component 32-39, 165, 167, 169, 171

mfa/VP medial forebrain bundle, 'a' component and ventral pallidum 173

mfb medial forebrain bundle, 'b' component 32-39, 165

MG medial geniculate nucleus 178

MGD medial geniculate nucleus, dorsal part 73-87, 174-177, 197-199

MGM medial geniculate nucleus, medial part 74-87, 173-175, 193-196

MGV medial geniculate nucleus, ventral part 73-88, 174-177, 192-197

MHb medial habenular nucleus 48-70, 162, 164, 200-203

Mi mitral cell layer of the olfactory bulb 1-5, 164

MiA mitral cell layer of the accessory olfactory bulb 3-4, 167

MiTg microcellular tegmental nucleus 90-101, 171-174, 191-195

ML medial mamillary nucleus, lateral part 68-78, 162-166, 182-184

ml medial lemniscus 55-153, 162-171, 173, 181-193

mlf medial longitudinal fasciculus 78-165, 182-194

mlx medial lemniscus decussation 148-155

MM medial mamillary nucleus, medial part 68-73, 162-164, 182-185

MnA median accessory nucleus of the medulla 155-161

MnM medial mammillary nucleus, median part 68-70, 162, 182-184

MnPO median preoptic nucleus 29-35, 162-164, 187-194

MnR median raphe nucleus 93-108, 162, 185-190

MO medial orbital cortex 5-8, 163-164, 166, 197-205

MoCb molecular layer of the cerebellum 120, 122, 125, 131, 134, 162, 165-167, 169-180, 197-201

MoDG molecular layer of the dentate gyrus 46-53, 55-90, 162, 167-180, 189-191, 197-198, 201-207

mofr medial orbitofrontal artery 5, 7-9

MoS molecular layer of the subiculum 90-92

mp mamillary peduncle 71-83, 164-166, 184-186

MPA medial preoptic area 29-45, 163-165, 183-188

MPB medial parabrachial nucleus 105-116, 167-171, 190-192

MPBE medial parabrachial nucleus, external part 108-111, 190

MPL medial paralemniscal nucleus 99-105, 171, 189-192

MPO medial preoptic nucleus 44, 163-164, 184-188

MPOC medial preoptic nucleus, central part 37-39, 163-164, 187

MPOL medial preoptic nucleus, lateral part 34-40

MPOM medial preoptic nucleus, medial part 35-43

MPT medial pretectal area 70-77, 164-166, 200-201

MPtA medial parietal association cortex 60-67, 167-172

MRe mamillary recess of the 3rd ventricle 66-70, 162-163

mRt mesencephalic reticular formation 81-91, 167-172, 192-197

MS medial septal nucleus 20-33, 162-164, 191-198

MSO medial superior olive 109-120, 169-170, 181

MT medial terminal nucleus 74-79, 167-168, 184-188

mt mamillothalamic tract 47-68, 164-166, 185-195

mtg mamillotegmental tract 69-83, 164, 188, 190

MTu medial tuberal nucleus 55-62, 165-169, 181-182

MVe medial vestibular nucleus 139-142, 164-165, 170, 191

MVeMC medial vestibular nucleus, magnocellular part 115-138, 165-169, 171, 187-190

MVePC medial vestibular nucleus, parvicellular part 117-138, 163, 165-167, 188-190, 192

MVPO medioventral periolivary nucleus 104-121, 167-170

Mx matrix region of the medulla 129-158, 163-164, 168-172, 187

MZMG marginal zone of the medial geniculate 73-88, 175, 177

## N

NA1 NA1 noradrenalin cells 133-146, 157, 160, 169, 171

NA2 NA2 noradrenalin cells 148-161, 163

NA5 NA5 noradrenalin cells 108-125, 127, 169, 171-172, 181-184

NA7 NA7 noradrenalin cells 102-108, 168-172, 186-188

ns nigrostriatal bundle 47-72, 168-169, 187-188

Nv navicular nucleus of the basal forebrain 10-17, 162-168, 189-194

## O

OB olfactory bulb 165-166, 201

Obex obex 153, 162

oc olivocerebellar tract 129-134, 136, 182

oc/dsc olivocerebellar tract and dorsal spinocerebellar tract 181, 183-184

ocb olivocochlear bundle 115-121, 162-163, 168-171, 173, 176-177, 182-184, 186-187

och optic chiasm 29-40, 162-164, 182-183

olfa olfactory artery 19-20

ON olfactory nerve layer 1-4, 163

Op optic nerve layer of the superior colliculus 77-98, 163-173, 200-207

OPC oval paracentral thalamic nucleus 60-66, 165-168, 193-196

OPT olivary pretectal nucleus 70-74, 165-166, 200, 202

opt optic tract 41-79, 165-180, 182-201

Or oriens layer of the hippocampus 47-89, 166-180, 189-207

OV olfactory ventricle 1-5

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p1 prosomere 1 162-163, 165, 167, 169, 171, 173, 175

p1PAG prosomere 1 periaqueductal gray 74-76

p1Rt prosomere 1 reticular formation 74-80, 167-168, 192-197

p2 prosomere 2 162-163, 165, 167, 169, 171, 173, 175

p3 prosomere 3 165, 167, 169, 171, 173, 175

P5 peritrigeminal zone 107-116, 168-169, 185-189

P7 perifacial zone 120-131, 133-134, 167-172, 181-182

Pa paraventricular hypothalamic nucleus 187

Pa4 paratrochlear nucleus 94-98, 165, 192-193

Pa5 paratrigeminal nucleus 141-150, 171-173, 188-189

Pa6 paraabducens nucleus 117-120, 164, 186

PaAP paraventricular hypothalamic nucleus, anterior parvic 38-44, 163-164, 189-191

PaDC paraventricular hypothalamic nucleus, dorsal cap 47-49, 163

PaF parafascicular thalamic nucleus 64-70, 164-167, 193-199

PAG periaqueductal gray 164, 194, 198-199

PaLM paraventricular hypothalamic nucleus, lateral magnocellular part 47-49, 164, 188

PaMM paraventricular hypothalamic nucleus, medial magnocellular part 45-46

PaMP paraventricular hypothalamic nucleus, medial parvicellular part 45-50, 163, 188-189

PaPo paraventricular hypothalamic nucleus, posterior part 50-52, 164-166, 188

PaR pararubral nucleus 79-88, 167-170, 191-193

PaS parasubiculum 87-111, 174-175, 177, 179, 187-205

PaV paraventricular hypothalamic nucleus, ventral part 44-49, 185-186

PaXi paraxiphoid nucleus of thalamus 46-56, 162-164, 188

PBG parabigeminal nucleus 91-99, 174, 191-194

PBP parabrachial pigmented nucleus of the ventral tegmental area 71-87, 164, 166-169, 186-190

PC paracentral thalamic nucleus 44-66, 165-168, 193-195

pc posterior commissure 71-79, 162-165, 197-201

pcer posterior cerebral artery 85-87, 183-184

PCGS paracochlear glial substance 111-119, 172-173, 189-191

PCom nucleus of the posterior commissure 73-78, 165-166, 198-199

PCRt parvicellular reticular nucleus 128-148, 166-172, 181-186

PCRtA parvicellular reticular nucleus, alpha part 115-127, 169-171, 182-186

pcuf preculminate fissure 109-125, 162-175, 197-206

PDPO posterodorsal preoptic nucleus 38-39, 189

PDR posterodorsal raphe nucleus 93-101

PDTg posterodorsal tegmental nucleus 111-115, 162-164, 189-190

PDZ paradiagonal zone 18-19, 21, 23-28, 189-191

Pe periventricular hypothalamic nucleus 35-62, 162, 182-189

PeF perifornical nucleus 55-63, 166-168, 184-185

PeFLH perifornical part of lateral hypothalamus 51-65, 165-168, 183-187

PFl paraflocculus 113-137, 176-180, 185-194

pfs parafloccular sulcus 119-131, 133-135, 177, 179-180

PH posterior hypothalamic nucleus 61-69, 162-164, 185-189

PHA posterior hypothalamic area 70-72, 162-164, 187-189

PHD posterior hypothalamic area, dorsal part 57-64, 162-163, 187-189

Pi pineal gland 94-106, 162-164

PIF parainterfascicular nucleus of the ventral tegmental area 79-88, 164, 186

PIL posterior intralaminar thalamic nucleus 73-84, 171, 173-174, 192

Pir piriform cortex 61-65, 67, 69, 167-169, 171, 173, 175, 181, 195-198

Pir1 piriform cortex, layer 1 7, 9-60, 63-66, 68, 70-74, 170, 172, 174, 176-179, 185, 189-191

Pir1a piriform cortex, layer 1a 8

Pir3 piriform cortex, layer 3 178, 180-184, 186-188, 192-194

PiRe pineal recess 162, 204-206

PiSt pineal stalk 92-93, 207

Pk Purkinje cell layer of the cerebellum 120, 122, 125, 131, 134, 162, 164-167, 169-175, 177-178, 189

PL paralemniscal nucleus 97-99, 172-173, 187-188

PLCo posterolateral cortical amygdaloid area 51-53, 68-74, 176-177, 179-182

PLCo1 posterolateral cortical amygdaloid area, layer 1 54-67, 178

PLd paralambdoid septal nucleus 22-29, 195

plf posterolateral fissure 115-121, 123-124, 132-148, 162, 164-167, 177, 179

PLH peduncular lateral hypothalamus 43-71, 165-171, 184-189

PLi posterior limitans thalamic nucleus 70-81, 171, 194-201

PLPAG pleioglial periaqueductal gray 77-80, 199

PLV perilemniscal nucleus, ventral part 103-106, 169, 181

PM paramedian lobule 132-153, 168-178, 180, 192-196, 198-199

pm principal mammillary tract 69-72

PMCo posteromedial cortical amygdaloid area 56-80, 172-182

PMD premamillary nucleus, dorsal part 66-67, 162-165, 182-184

PMn paramedian reticular nucleus 139-144

PMnR paramedian raphe nucleus 92-106, 162-164, 185-190

pms paramedian sulcus 136-142, 144-146, 148

PMV premamillary nucleus, ventral part 63-66, 165-167, 181-184

PN paranigral nucleus of the ventral tegmental area 76-87, 164, 186

Pn pontine nuclei 89-105, 162-170, 181-184

PnC pontine reticular nucleus, caudal part 108-118, 162-168, 181-186

PnO pontine reticular nucleus, oral part 93-107, 164-169, 182-189

PnR pontine raphe nucleus 107-109, 162, 188

PnV pontine reticular nucleus, ventral part 113-118, 162-164, 181

Po posterior thalamic nuclear group 54-79, 81, 168-175, 194-200

PoDG polymorph layer of the dentate gyrus 51-87, 164, 167-168, 170-180, 188-207

POH periolivary horn 112-116, 171

PoMn posteromedian thalamic nucleus 65-66, 162-163, 195-197

Post postsubiculum 83-103, 169, 171-178, 202-207

PoT posterior thalamic nuclear group, triangular part 74-84, 171, 173, 193-195

PP peripeduncular nucleus 75-82, 174-176, 192

PPA peripeduncular area 73-77, 173-174, 190-191

ppf prepyramidal fissure 137-150, 162-167, 169-174, 176, 193-194, 196-198, 200

PPit posterior lobe of the pituitary 162-164, 181

PPy parapyramidal nucleus if the raphe 122-132

PR prerubral field 65-75, 165-168, 189-191

Pr prepositus nucleus 119-135, 140, 163-164, 185-189

Pr5 principal sensory trigeminal nucleus 182

Pr5DM principal sensory trigeminal nucleus, dorsomedial part 110-119, 172-173, 186-190

Pr5VL principal sensory trigeminal nucleus, ventrolateral part 107-120, 172-174, 183-188

PrBo pre-Botzinger complex 138-140, 169-170

PrC precommissural nucleus 67-72, 164-165, 197-199

PrCnF precuneiform area 91-100, 167-172, 195-198

PrEW pre-Edinger-Westphal nucleus 75-83, 163, 192-195

prf primary fissure 111-126, 128-131, 162-178, 195-207

PrG pregeniculate nucleus of the prethalamus 60-77, 176-179, 193-199

PRh perirhinal cortex 58-111, 179-180, 187-206

PrMC prepositus nucleus, magnocellular part 136-139, 163

PrS presubiculum 87-95, 176-180, 189-201

PrThE prethalamic eminence 163

PS parastrial nucleus 32-35, 165-166, 189-190

psf post superior fissure 115-135, 139-143, 162-167, 169, 171-180, 195-198, 200-204, 206

PSol parasolitary nucleus 142-147, 166

PSTh parasubthalamic nucleus 64-66, 169

PT paratenial thalamic nucleus 41-51, 164-165, 195-199

PTe paraterete nucleus 51-59, 185

PTg pedunculotegmental nucleus 89-106, 167-171, 173, 188-195

PtPC parietal cortex, posterior area, caudal part 83-84

PtPD parietal cortex, posterior area, dorsal part 65-75, 177-180

PtPR parietal cortex, posterior area, rostral part 68-76

PV paraventricular thalamic nucleus 51-57, 162-163, 199

PVA paraventricular thalamic nucleus, anterior part 40-50, 162-164, 192-201

PVG periventricular gray 68-72, 162-163, 190-196

PVP paraventricular thalamic nucleus, posterior part 58-67, 162-164, 196-199

Py pyramidal cell layer of the hippocampus 49-89, 166-171, 173-180, 190-207

py pyramidal tract 108-157, 162, 164-165, 167

pyx pyramidal decussation 155-162, 164

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r10 rhombomere 10 165, 167, 171, 173

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r1Rt rhombomere 1 reticular formation 185-187

r2 rhombomere 2 162-163, 165, 167, 169, 171, 173, 175

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r3 rhombomere 3 162-163, 165, 167, 169, 171, 173, 175

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r4 rhombomere 4 162-163, 165, 167, 169, 171, 173, 175

r5 rhombomere 5 162-163, 165, 167, 169, 171, 173, 175

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r7 rhombomere 7 162-163, 165, 167, 169, 171, 173

r8 rhombomere 8 165, 167, 169, 171, 173

r9 rhombomere 9 165, 167, 171, 173

Rad radiatum layer of the hippocampus 49-89, 166-180, 189-207

RAmb retroambiguus nucleus 152-160, 181

RAPir rostral amygdalopiriform area 57-63, 180-183

Rbd rhabdoid nucleus 91-103, 162-163, 187-191

rcc rostrum of the corpus callosum 16-18, 163, 200

RCh retrochiasmatic area 42-47, 162-164, 181-183

RChL retrochiasmatic area, lateral part 45-54, 165-167

Re reuniens thalamic nucleus 42-62, 162, 164, 189-192

ReIC recess of the inferior colliculus 104-108, 162, 200-206

REN retroendopiriform nucleus 73-75, 185

REth retrothmoid nucleus 72-77, 171-172, 192-194

rf rhinal fissure 4-111, 164-165, 167, 169, 171, 173, 175, 177-178, 180, 191-201

Rh rhomboid thalamic nucleus 48-60, 162-164, 192-194

RI rostral interstitial nucleus of the medial longitudinal fasciculus 69-72, 164-165, 189-192

ri rhinal incisure 4-9

RIP raphe interpositus nucleus 112-119, 162, 182-183

RIs retroisthmic nucleus 93-97, 171-172, 188-190

RL retrolemniscal nucleus 105-107, 173, 194

RLi rostral linear nucleus (midbrain) 74-84, 162-163, 187, 189-191

RM retromamillary nucleus 74, 164

RMC red nucleus, magnocellular part 78-88, 166, 189-190

RMg raphe magnus nucleus 112-134, 162-164

RML retromamillary nucleus, lateral part 68-72, 166, 184-186

RMM retromammillary nucleus, medial part 67-73, 162-163, 165, 185-186

RMS rostral migratory stream 1-5, 13-19, 166, 196-198

RMS/OV rostral migratory stream/olfactory ventricle 6-12, 165-167, 194-195

rmx retromamillary decussation 69-73, 162-163, 166, 187

Ro nucleus of Roller 135-148, 163-164, 184

ROB raphe obscurus nucleus 130-152, 162, 181-184, 186

RPa raphe pallidus nucleus 134-152, 162

RPC red nucleus, parvicellular part 76-87, 166, 190-192

RPF retroparafascicular nucleus 72-74, 165-166, 195

RRe retroreuniens nucleus 63-66, 162-164, 192

RRF retrorubral field 86-93, 165-171, 188-191

rs rubrospinal tract 86-161, 166-173, 181-183, 185-188

Rt reticular nucleus (prethalamus) 42-67, 165-179, 190-201

RtSt reticulostrial nucleus 42-52, 169-173, 198-201

RtTg reticulotegmental nucleus of the pons 98-113, 162-166, 181-186

RtTgL reticulotegmental nucleus of the pons, lateral part 112-114, 162

RtTgP reticulotegmental nucleus of the pons, pericentral part 99-104, 163-166, 183

RVL rostroventrolateral reticular nucleus 133-137, 169-172

RVRG rostral ventral respiratory group 141-151, 170

**S**

S1 primary somatosensory cortex 65-71, 197

S1BF primary somatosensory cortex, barrel field 36-69, 176-180, 203-207

S1DZ primary somatosensory cortex, dysgranular zone 13-61, 176-180

S1DZO primary somatosensory cortex, dysgranular zone, oral region 14-23, 177-178, 180

S1HL primary somatosensory cortex, hindlimb region 30-52, 169-174

S1J primary somatosensory cortex, jaw region 10-23, 174-180, 200-207

S1Sh primary somatosensory cortex, shoulder region 46-52, 174-177

S1Tr primary somatosensory cortex, trunk region 53-61, 169-178

S1ULp primary somatosensory cortex, upper lip region 14-59, 176-180, 198-207

S2 secondary somatosensory cortex 23-65, 180, 195-203, 206

s5 sensory root of the trigeminal nerve 88-117, 172-173, 175-176, 181-184, 188

Sag sagulum nucleus 102-105, 172-173, 195-196

SC superior colliculus 162

Sc scaphoid thalamic nucleus 70-72, 168-170, 194-196

scc splenium of the corpus callosum 75-76, 162-167

SCh suprachiasmatic nucleus 37-38, 163-164, 182-183

SChDL suprachiasmatic nucleus, dorsolateral part 39-41

SChVM suprachiasmatic nucleus, ventromedial part 39-41, 162

SCO subcommissural organ 70-75, 162-163, 199-201

scp superior cerebellar peduncle 61-82, 87, 96, 98-129, 162-174, 189-195

scpd superior cerebellar peduncle, descending limb 112-115, 189

sf secondary fissure 136-155, 162-167

SFi septofimbrial nucleus 31-42, 162-168, 196-203

SFO subfornical organ 38-48, 162-164, 198-203

SG suprageniculat thalamic nucleus 75-85, 173-174, 197-199

SGe supragenual nucleus of the raphe 116-119, 164, 188

SHi septohippocampal nucleus 14-35, 162-163, 192-203

SHy septohypothalamic nucleus 28-37, 163-166, 189-196

SIB substantia innominata, basal part 25-40, 165-170, 185-188

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