

# CITATION REPORT

List of articles citing

## Regionalization of the prosencephalic neural plate

DOI: 10.1146/annurev.neuro.21.1.445

Annual Review of Neuroscience, 1998, 21, 445-77.

**Source:** <https://exaly.com/paper-pdf/29452009/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
501	The murine Y1 receptor 5'upstream sequence directs cell-specific and developmentally regulated LacZ expression in transgenic mice CNS. <b>1998</b> , 10, 3257-68		16
500	Patterning of the embryonic forebrain. <b>1998</b> , 8, 18-26		189
499	Topographic guidance labels in a sensory projection to the forebrain. <b>1998</b> , 21, 1303-13		239
498	Expression pattern of cSix3, a member of the Six/sine oculis family of transcription factors. <b>1998</b> , 70, 201-3		122
497	Control of anteroposterior and dorsoventral domains of Nkx-6.1 gene expression relative to other Nkx genes during vertebrate CNS development. <b>1998</b> , 72, 77-88		127
496	Neural membrane protein 35 (NMP35): a novel member of a gene family which is highly expressed in the adult nervous system. <b>1998</b> , 11, 260-73		40
495	Otx1 and Otx2 in the development and evolution of the mammalian brain. <b>1998</b> , 17, 6790-8		100
494	Regionalization of the prosencephalic neural plate. <i>Annual Review of Neuroscience</i> , <b>1998</b> , 21, 445-77	17	466
493	Otx genes in corticogenesis and brain development. <b>1999</b> , 9, 533-42		37
492	Genetic control of cortical regionalization and connectivity. <b>1999</b> , 9, 524-32		174
491	Review : Otx and Emx Homeobox Genes in Brain Development. <b>1999</b> , 5, 164-172		4
490	Young neurons from medial ganglionic eminence disperse in adult and embryonic brain. <b>1999</b> , 2, 461-6		393
489	From conception to the child. <b>1999</b> , 15, 613-9		3
488	Embryonic development of connections in Turtle Pallium. <b>1999</b> , 413, 26-54		43
487	DLX-1, DLX-2, and DLX-5 expression define distinct stages of basal forebrain differentiation. <b>1999</b> , 414, 217-37		231
486	Prosomeric map of the lamprey forebrain based on calretinin immunocytochemistry, nissl stain, and ancillary markers. <b>1999</b> , 414, 391-422		159
485	Cell proliferation and death: morphological evidence during corticogenesis in the developing human brain. <b>1999</b> , 45, 341-52		30

484	Getting a-head of the organizer: anterior-posterior patterning of the forebrain. <b>1999</b> , 21, 631-6	8
483	Conserved genetic programs in insect and mammalian brain development. <b>1999</b> , 21, 677-84	108
482	The TINS Lecture. Understanding the roles of Otx1 and Otx2 in the control of brain morphogenesis. <b>1999</b> , 22, 116-22	70
481	Six9 (Optx2), a new member of the six gene family of transcription factors, is expressed at early stages of vertebrate ocular and pituitary development. <b>1999</b> , 83, 155-9	67
480	Identification of chick rax/rx genes with overlapping patterns of expression during early eye and brain development. <b>1999</b> , 85, 193-5	58
479	Forebrain induction, retinoic acid, and vulnerability to schizophrenia: insights from molecular and genetic analysis in developing mice. <b>1999</b> , 46, 19-30	90
478	The anterior margin of the mammalian gastrula: comparative and phylogenetic aspects of its role in axis formation and head induction. <b>1999</b> , 46, 63-103	36
477	Central nervous system neuronal migration. <i>Annual Review of Neuroscience</i> , <b>1999</b> , 22, 511-39	17 687
476	Otx genes and the genetic control of brain morphogenesis. <b>1999</b> , 13, 1-8	31
475	From neural stem cells to myelinating oligodendrocytes. <b>1999</b> , 14, 287-300	144
474	Embryonic Development of the Brain: A Complicated Scenario to Generate a Complex Structure. <b>1999</b> , 12, 11-15	
473	The chick/quail transplantation model to study central nervous system development. <b>2000</b> , 127, 67-98	14
472	Novel mechanisms in mammalian telencephalic development as revealed by neural transplantation. <b>2000</b> , 127, 99-113	2
471	Origin and molecular specification of striatal interneurons. <b>2000</b> , 20, 6063-76	513
470	Cx36 is dynamically expressed during early development of mouse brain and nervous system. <b>2000</b> , 11, 3823-8	43
469	Patterns of calretinin, calbindin, and tyrosine-hydroxylase expression are consistent with the prosomeric map of the frog diencephalon. <b>2000</b> , 419, 96-121	77
468	Development of the mammillothalamic tract in normal and Pax-6 mutant mice. <b>2000</b> , 419, 485-504	25
467	Morphologic fate of diencephalic prosomeres and their subdivisions revealed by mapping cadherin expression. <b>2000</b> , 421, 481-514	97

466	Protein profiling of rat cerebella during development. <b>2000</b> , 21, 1872-9	36
465	Pallial and subpallial derivatives in the embryonic chick and mouse telencephalon, traced by the expression of the genes <i>Dlx-2</i> , <i>Emx-1</i> , <i>Nkx-2.1</i> , <i>Pax-6</i> , and <i>Tbr-1</i> . <b>2000</b> , 424, 409-38	826
464	Chordate evolution and the origin of craniates: an old brain in a new head. <b>2000</b> , 261, 111-25	32
463	<i>Amphioxus</i> goosecoid and the evolution of the head organizer and prechordal plate. <b>2000</b> , 2, 303-10	28
462	Alobar holoprosencephaly at 9 weeks gestational age visualized by two- and three-dimensional ultrasound. <b>2000</b> , 15, 62-5	59
461	The detection of spina bifida before 10 gestational weeks using two- and three-dimensional ultrasound. <b>2000</b> , 16, 25-9	60
460	Positioning the isthmic organizer where <i>Otx2</i> and <i>Gbx2</i> meet. <b>2000</b> , 16, 237-40	159
459	Patterning defects in the primary axonal scaffolds caused by the mutations of the extradenticle and homothorax genes in the embryonic <i>Drosophila</i> brain. <b>2000</b> , 210, 289-99	17
458	Identification of the anterior nucleus of the ansa lenticularis in birds as the homolog of the mammalian subthalamic nucleus. <b>2000</b> , 20, 6998-7010	90
457	<i>Pax6</i> modulates the dorsoventral patterning of the mammalian telencephalon. <b>2000</b> , 20, 8042-50	291
456	Pancreatic homeodomain transcription factor <i>IDX1/IPF1</i> expressed in developing brain regulates somatostatin gene transcription in embryonic neural cells. <b>2000</b> , 275, 19106-14	32
455	Neurotrophins: key regulators of cell fate and cell shape in the vertebrate nervous system. <b>2000</b> , 14, 2919-37	808
454	Ventral neural patterning by <i>Nkx</i> homeobox genes: <i>Nkx6.1</i> controls somatic motor neuron and ventral interneuron fates. <b>2000</b> , 14, 2134-9	192
453	Fate mapping of the mouse prosencephalic neural plate. <b>2000</b> , 219, 373-83	169
452	The homeobox gene <i>Hesx1</i> is required in the anterior neural ectoderm for normal forebrain formation. <b>2000</b> , 223, 422-30	91
451	Expression of <i>Otx</i> homeodomain proteins induces cell aggregation in developing zebrafish embryos. <b>2000</b> , 223, 339-53	23
450	Genetic and molecular roles of <i>Otx</i> homeodomain proteins in head development. <b>2000</b> , 246, 23-35	29
449	Do birds possess homologues of mammalian primary visual, somatosensory and motor cortices?. <b>2000</b> , 23, 1-12	327

448	Nervous system proteoglycans as modulators of neurite outgrowth. <b>2000</b> , 61, 113-32		160
447	Cadherins in the central nervous system. <b>2000</b> , 61, 611-48		277
446	Induction and dorsoventral patterning of the telencephalon. <b>2000</b> , 28, 641-51		272
445	Involvement of fibroblast growth factor (FGF)18-FGF8 signaling in specification of left-right asymmetry and brain and limb development of the chick embryo. <b>2000</b> , 95, 55-66		99
444	Xotx5b, a new member of the Otx gene family, may be involved in anterior and eye development in <i>Xenopus laevis</i> . <b>2000</b> , 96, 3-13		47
443	A genetic screen for mutations affecting embryonic development in medaka fish ( <i>Oryzias latipes</i> ). <b>2000</b> , 97, 133-9		96
442	How to construct a neural tube. <b>2000</b> , 15, 110-24		22
441	Variation of serotonergic gene expression: neurodevelopment and the complexity of response to psychopharmacologic drugs. <b>2001</b> , 11, 457-74		53
440	Neural patterning in the vertebrate embryo. <b>2001</b> , 203, 447-82		135
439	Signaling and transcriptional mechanisms in pituitary development. <i>Annual Review of Neuroscience</i> , <b>2001</b> , 24, 327-55	17	167
438	Zebrafish genes rx1 and rx2 help define the region of forebrain that gives rise to retina. <b>2001</b> , 231, 13-30		88
437	Vertebrate cranial placodes I. Embryonic induction. <b>2001</b> , 232, 1-61		514
436	Calcium-dependent adhesion is necessary for the maintenance of prosomeres. <b>2001</b> , 233, 80-94		11
435	The avian telencephalic subpallium originates inhibitory neurons that invade tangentially the pallium (dorsal ventricular ridge and cortical areas). <b>2001</b> , 239, 30-45		152
434	Fate map of the avian anterior forebrain at the four-somite stage, based on the analysis of quail-chick chimeras. <b>2001</b> , 239, 46-67		152
433	Generation of regionally specified neurons in expanded glial cultures derived from the mouse and human lateral ganglionic eminence. <b>2001</b> , 17, 811-20		52
432	Molecular diversity in zebrafish NCAM family: three members with different VASE usage and distinct localization. <b>2001</b> , 18, 119-30		23
431	Neuroepithelial co-expression of Gbx2 and Otx2 precedes Fgf8 expression in the isthmus organizer. <b>2001</b> , 101, 111-8		83

430	Embryonic regionalization of the neocortex. <b>2001</b> , 107, 3-11	14
429	Coordinate expression of Fgf8, Otx2, Bmp4, and Shh in the rostral prosencephalon during development of the telencephalic and optic vesicles. <b>2001</b> , 108, 183-206	229
428	Cellular and molecular aspects of striatal development. <b>2001</b> , 55, 533-40	40
427	Common developmental genetic mechanisms for patterning invertebrate and vertebrate brains. <b>2001</b> , 55, 675-82	25
426	Brain segmentation and forebrain development in amniotes. <b>2001</b> , 55, 695-710	125
425	A novel zebrafish bHLH gene, neurogenin3, is expressed in the hypothalamus. <b>2001</b> , 275, 47-55	33
424	Otx genes in brain morphogenesis. <b>2001</b> , 64, 69-95	87
423	Current topics in comparative developmental biology of vertebrate brains. <b>2001</b> , 39, 371-6	1
422	Otx genes in the development and evolution of the vertebrate brain. <b>2001</b> , 19, 353-63	37
421	The nodal pathway acts upstream of hedgehog signaling to specify ventral telencephalic identity. <b>2001</b> , 29, 341-51	147
420	Combinatorial expression patterns of LIM-homeodomain and other regulatory genes parcellate developing thalamus. <b>2001</b> , 21, 2711-25	150
419	Telencephalic neural progenitors appear to be restricted to regional and glial fates before the onset of neurogenesis. <b>2001</b> , 21, 6772-81	109
418	Septo-Optic Dysplasia and Related Malformations. <b>2001</b> , 4, 77-93	
417	The role of Pax6 in brain patterning. <b>2001</b> , 193, 163-74	53
416	Vertebrate Central Nervous System: Pattern Formation. <b>2001</b> ,	
415	Challenges, status, and opportunities for studying developmental neuropathology in adult schizophrenia. <b>2001</b> , 27, 395-416	36
414	Otx genes in evolution: are they involved in instructing the vertebrate brain morphology?. <b>2001</b> , 199, 53-62	5
413	Asymmetry in the epithalamus of vertebrates. <b>2001</b> , 199, 63-84	195

412	Molecular approaches to cerebral laterality: Development and neurodegeneration. <b>2001</b> , 101, 370-381	81
411	Cloning and expression of Munc 30: a member of the paired-like homeodomain gene family. <b>2001</b> , 25, 351-65	2
410	Ventricular proliferation zones in the brain of an adult teleost fish and their relation to neuromeres and migration (secondary matrix) zones. <b>2001</b> , 436, 92-110	163
409	Modularity in vertebrate brain development and evolution. <b>2001</b> , 23, 1100-11	83
408	Telencephalic cells take a tangent: non-radial migration in the mammalian forebrain. <b>2001</b> , 4 Suppl, 1177-82	253
407	The role of prechordal mesendoderm in neural patterning. <b>2001</b> , 11, 27-33	83
406	Retinoic acid synthesis for the developing telencephalon. <b>2001</b> , 11, 894-905	67
405	Thoughts on the development, structure and evolution of the mammalian and avian telencephalic pallium. <b>2001</b> , 356, 1583-98	146
404	Neural Crest and Pituitary Development. <b>2001</b> , 4, 13-29	5
403	Pattern Formation in Zebrafish. <b>2002</b> ,	6
402	The modular organization of brain systems. Basal forebrain: the last frontier. <b>2002</b> , 136, 359-72	105
401	Induction and patterning of the telencephalon in <i>Xenopus laevis</i> . <b>2002</b> , 129, 5421-36	29
400	Pituitary development: regulatory codes in mammalian organogenesis. <b>2002</b> , 295, 2231-5	333
399	Regional specification of neurosphere cultures derived from subregions of the embryonic telencephalon. <b>2002</b> , 21, 645-56	91
398	Otx2 is required to respond to signals from anterior neural ridge for forebrain specification. <b>2002</b> , 242, 204-23	55
397	Maintenance of the specification of the anterior definitive endoderm and forebrain depends on the axial mesendoderm: a study using HNF3beta/Foxa2 conditional mutants. <b>2002</b> , 243, 20-33	53
396	The homeobox gene mbx is involved in eye and tectum development. <b>2002</b> , 248, 107-17	56
395	The evolution of chordate neural segmentation. <b>2002</b> , 251, 258-70	50

394	Homologies between vertebrate and invertebrate eyes. <b>2002</b> , 37, 219-55	18
393	Complementary expression and neurite outgrowth activity of netrin-G subfamily members. <b>2002</b> , 111, 47-60	109
392	Gbx2 interacts with Otx2 and patterns the anterior-posterior axis during gastrulation in <i>Xenopus</i> . <b>2002</b> , 112, 141-51	33
391	Dorsalization of the neural tube by <i>Xenopus</i> tiarin, a novel patterning factor secreted by the flanking nonneural head ectoderm. <b>2002</b> , 33, 515-28	47
390	The Otx family. <b>2002</b> , 12, 409-15	97
389	Coordinate regulation and synergistic actions of BMP4, SHH and FGF8 in the rostral prosencephalon regulate morphogenesis of the telencephalic and optic vesicles. <b>2002</b> , 111, 1-17	263
388	Expression patterns of Wnt8b and Wnt7b in the chicken embryonic brain suggest a correlation with forebrain patterning centers and morphogenesis. <b>2002</b> , 113, 689-98	86
387	Morphological organization of somatosensory cortex in Otx1(-/-) mice. <b>2002</b> , 115, 657-67	16
386	Functional circuitry of the avian basal ganglia: implications for basal ganglia organization in stem amniotes. <b>2002</b> , 57, 513-28	59
385	Compartments in the lamprey embryonic brain as revealed by regulatory gene expression and the distribution of reticulospinal neurons. <b>2002</b> , 57, 271-5	22
384	Comparison of thalamic populations in mammals and birds: expression of ErbB4 mRNA. <b>2002</b> , 57, 455-61	46
383	Field homology as a way to reconcile genetic and developmental variability with adult homology. <b>2002</b> , 57, 243-55	106
382	Analysis of Fgf15 expression pattern in the mouse neural tube. <b>2002</b> , 57, 297-9	23
381	Towards the comprehension of genetic mechanisms controlling brain morphogenesis. <b>2002</b> , 25, 119-21	15
380	Sonic hedgehog in CNS development: one signal, multiple outputs. <b>2002</b> , 25, 89-96	214
379	Environmental factors during postnatal period modify activity and non-selective attention in the Naples High-Excitability rat. <b>2002</b> , 130, 111-5	9
378	The Evolution of Chordate Neural Segmentation. <b>2002</b> ,	
377	Craniofacial Development. <b>2002</b> , 421-498	29



376	The psychopharmacogenetic neurodevelopmental interface in serotonergic gene pathways. <b>2002</b> , 95-126	1
375	Clonal architecture of the mouse hippocampus. <b>2002</b> , 22, 3520-30	30
374	Patterning, Regionalization, and Cell Differentiation in the Forebrain. <b>2002</b> , 75-106	18
373	Changes of KCl sensitivity of proliferating neural progenitors during in vitro neurogenesis. <b>2002</b> , 67, 574-82	19
372	Stabilizing the regionalisation of the developing vertebrate central nervous system. <b>2002</b> , 24, 427-38	49
371	Hypophyseal development in vertebrates from amphibians to mammals. <b>2002</b> , 126, 130-5	54
370	Brain and cognitive evolution: forms of modularity and functions of mind. <b>2002</b> , 128, 667-98	198
369	Visual System Development and Neural Activity. <b>2002</b> , 791-804	1
368	HESX1 and Septo-Optic Dysplasia. <b>2002</b> , 3, 289-300	28
367	Osteogenesis imperfecta associated with increased nuchal translucency as a first ultrasound sign: report of another case. <b>2003</b> , 21, 200-2	11
366	Prenatal diagnosis of holoprosencephaly and ectopia cordis in a twin at 12 weeksPgestation. <b>2003</b> , 21, 198-200	7
365	The urbilaterian brain: developmental insights into the evolutionary origin of the brain in insects and vertebrates. <b>2003</b> , 32, 141-56	32
364	OTX1 compensates for OTX2 requirement in regionalisation of anterior neuroectoderm. <b>2003</b> , 3, 497-501	21
363	Study of Fgf15 gene expression in developing mouse brain. <b>2003</b> , 3, 473-81	50
362	Slitrk6 expression profile in the mouse embryo and its relationship to that of Nlrr3. <b>2003</b> , 3, 727-33	21
361	Cadherins as regulators for the emergence of neural nets from embryonic divisions. <b>2003</b> , 97, 5-15	33
360	Integrity of the midbrain region is required to maintain the diencephalic-mesencephalic boundary in zebrafish no isthmus/pax2.1 mutants. <b>2003</b> , 228, 313-22	30
359	Can zebrafish be used as a model to study the neurodevelopmental causes of autism?. <b>2003</b> , 2, 268-81	178

358	The in vivo positional identity gene expression code is not preserved in neural stem cells grown in culture. <b>2003</b> , 18, 1073-84	52
357	Otx dose-dependent integrated control of antero-posterior and dorso-ventral patterning of midbrain. <b>2003</b> , 6, 453-60	114
356	Differential activities of Sonic hedgehog mediated by Gli transcription factors define distinct neuronal subtypes in the dorsal thalamus. <b>2003</b> , 120, 1097-111	105
355	Evolution of photosensory pineal organs in new light: the fate of neuroendocrine photoreceptors. <b>2003</b> , 358, 1679-700	100
354	Anterior neural plate regionalization in cripto null mutant mouse embryos in the absence of node and primitive streak. <b>2003</b> , 264, 537-49	35
353	Neuroepithelial secondary organizers and cell fate specification in the developing brain. <b>2003</b> , 43, 179-91	142
352	Anteroposterior patterning in hemichordates and the origins of the chordate nervous system. <b>2003</b> , 113, 853-65	392
351	Multiple roles for Hedgehog signaling in zebrafish pituitary development. <b>2003</b> , 254, 19-35	101
350	Gonadotropin-releasing hormone (GnRH) cells arise from cranial neural crest and adenohypophyseal regions of the neural plate in the zebrafish, <i>Danio rerio</i> . <b>2003</b> , 257, 140-52	117
349	A disrupted balance between Bmp/Wnt and Fgf signaling underlies the ventralization of the Gli3 mutant telencephalon. <b>2003</b> , 260, 484-95	107
348	Diffusible signals and fasciculated growth in reticulospinal axon pathfinding in the hindbrain. <b>2003</b> , 255, 99-112	8
347	Forebrain gene expression domains and the evolving prosomeric model. <b>2003</b> , 26, 469-76	596
346	Structural and functional maturation of the developing primate brain. <b>2003</b> , 143, S35-45	308
345	Cell migration in the forebrain. <i>Annual Review of Neuroscience</i> , <b>2003</b> , 26, 441-83	17 781
344	Glypican 4 modulates FGF signalling and regulates dorsoventral forebrain patterning in <i>Xenopus</i> embryos. <b>2003</b> , 130, 4919-29	57
343	Engrailed and Fgf8 act synergistically to maintain the boundary between diencephalon and mesencephalon. <b>2003</b> , 130, 4881-93	58
342	Unique and combinatorial functions of Fgf3 and Fgf8 during zebrafish forebrain development. <b>2003</b> , 130, 4337-49	103
341	Dkk1 and noggin cooperate in mammalian head induction. <b>2003</b> , 17, 2239-44	76

340	The prechordal plate, the rostral end of the notochord and nearby median features in staged human embryos. <b>2003</b> , 173, 1-20	33
339	Mechanisms of pattern formation in development and evolution. <b>2003</b> , 130, 2027-37	202
338	Molecular regionalization of the neocortex is disrupted in Fgf8 hypomorphic mutants. <b>2003</b> , 130, 1903-14	209
337	Role of Otx transcription factors in brain development. <b>2003</b> , 13, 207-250	
336	Pallial origin of mitral cells in the olfactory bulbs of Xenopus. <b>2003</b> , 14, 2355-8	20
335	Tlx controls proliferation and patterning of lateral telencephalic progenitor domains. <b>2003</b> , 23, 10568-76	78
334	The cadherin superfamily in neural development: diversity, function and interaction with other molecules. <b>2003</b> , 8, d306-55	123
333	Sensory Systems and Brain Evolution Across the Bilateria: Commonalities and Constraints. <b>2003</b> , 375-388	3
332	A CD15-Immunoreactive Subpopulation of Radial Glial Cells in the Developing Human Lateral Ganglionic Eminence. <b>2003</b> , 2, 64-71	4
331	Atrophin 2 recruits histone deacetylase and is required for the function of multiple signaling centers during mouse embryogenesis. <b>2004</b> , 131, 3-14	78
330	The winged helix transcription factor Foxg1 facilitates retinal ganglion cell axon crossing of the ventral midline in the mouse. <b>2004</b> , 131, 3773-84	47
329	Inhibition of Wnt/Axin/beta-catenin pathway activity promotes ventral CNS midline tissue to adopt hypothalamic rather than floorplate identity. <b>2004</b> , 131, 5923-33	56
328	Misrouting of mitral cell progenitors in the Pax6/small eye rat telencephalon. <b>2004</b> , 131, 787-96	39
327	Otx2 regulates the extent, identity and fate of neuronal progenitor domains in the ventral midbrain. <b>2004</b> , 131, 2037-48	166
326	Neonatal lethality, dwarfism, and abnormal brain development in Dmbx1 mutant mice. <b>2004</b> , 24, 7548-58	20
325	Gene Maps and Related Histogenetic Domains in the Forebrain and Midbrain. <b>2004</b> , 3-25	32
324	Nicalin and its binding partner Nomo are novel Nodal signaling antagonists. <b>2004</b> , 23, 3041-50	45
323	Retinoic acid signaling in the brain marks formation of optic projections, maturation of the dorsal telencephalon, and function of limbic sites. <b>2004</b> , 470, 297-316	59

322	LIM-homeodomain genes as developmental and adult genetic markers of Xenopus forebrain functional subdivisions. <b>2004</b> , 472, 52-72	96
321	Morphogenesis and regionalization of the medaka embryonic brain. <b>2004</b> , 476, 219-39	51
320	Axonogenesis in the medaka embryonic brain. <b>2004</b> , 476, 240-53	27
319	Expression of regulatory genes during differentiation of thalamic nuclei in mouse and monkey. <b>2004</b> , 477, 55-80	81
318	Inactivation of mouse Twisted gastrulation reveals its role in promoting Bmp4 activity during forebrain development. <b>2004</b> , 131, 413-24	61
317	Functional matrix cleft repair: principles and techniques. <b>2004</b> , 31, 159-89, viii	14
316	Characterization of the pufferfish Otx2 cis-regulators reveals evolutionarily conserved genetic mechanisms for vertebrate head specification. <b>2004</b> , 131, 57-71	65
315	SFRP1 is required for the proper establishment of the eye field in the medaka fish. <b>2004</b> , 121, 687-701	41
314	Combinatorial activities of Smad2 and Smad3 regulate mesoderm formation and patterning in the mouse embryo. <b>2004</b> , 131, 1717-28	135
313	Fate map of the diencephalon and the zona limitans at the 10-somites stage in chick embryos. <b>2004</b> , 268, 514-30	81
312	Cadherins guide migrating Purkinje cells to specific parasagittal domains during cerebellar development. <b>2004</b> , 25, 138-52	47
311	Early steps in the development of the forebrain. <b>2004</b> , 6, 167-81	360
310	Embryology of the Brain. <b>2005</b> , 1-20	
309	The floor plate: multiple cells, multiple signals. <b>2005</b> , 6, 230-40	170
308	Insights into the urbilaterian brain: conserved genetic patterning mechanisms in insect and vertebrate brain development. <b>2005</b> , 94, 465-77	113
307	Comparative analysis of Six 3 and Six 6 distribution in the developing and adult mouse brain. <b>2005</b> , 234, 718-25	41
306	Early development of the pituitary gland: induction and shaping of Rathke's pouch. <b>2005</b> , 6, 161-72	79
305	The isthmic organizer and brain regionalization in chick embryos. <b>2005</b> , 37-49	

304	Ventromedial hypothalamic nucleus-specific enhancer of Ad4BP/SF-1 gene. <b>2005</b> , 19, 2812-23	35
303	New insights into craniofacial morphogenesis. <b>2005</b> , 132, 851-61	142
302	The pro-apoptotic activity of a vertebrate Bar-like homeobox gene plays a key role in patterning the <i>Xenopus</i> neural plate by limiting the number of chordin- and shh-expressing cells. <b>2005</b> , 132, 1807-18	24
301	BMP2 and FGF2 cooperate to induce neural-crest-like fates from fetal and adult CNS stem cells. <b>2005</b> , 118, 5849-60	52
300	Unraveling the molecular pathways that regulate early telencephalon development. <b>2005</b> , 69, 17-37	19
299	Otx genes in the evolution of the vertebrate brain. <b>2005</b> , 66, 410-20	34
298	Role of Pax6 in forebrain regionalization. <b>2005</b> , 66, 387-93	65
297	Early regionalisation of the neocortex and the medial ganglionic eminence. <b>2005</b> , 66, 402-9	15
296	Modulation of Fgf8 activity during vertebrate brain development. <b>2005</b> , 49, 150-7	26
295	Correlation of a chicken stage 4 neural plate fate map with early gene expression patterns. <b>2005</b> , 49, 167-78	20
294	Mkp3 is a negative feedback modulator of Fgf8 signaling in the mammalian isthmic organizer. <b>2005</b> , 277, 114-28	54
293	Olfactory and lens placode formation is controlled by the hedgehog-interacting protein (Xhip) in <i>Xenopus</i> . <b>2005</b> , 277, 296-315	22
292	Regulatory gene expressions in the ascidian ventral sensory vesicle: evolutionary relationships with the vertebrate hypothalamus. <b>2005</b> , 277, 567-79	56
291	Effects of canonical Wnt signaling on dorso-ventral specification of the mouse telencephalon. <b>2005</b> , 279, 155-68	185
290	Development of the central nervous system in the larvacean <i>Oikopleura dioica</i> and the evolution of the chordate brain. <b>2005</b> , 285, 298-315	85
289	Genetic control of dopaminergic neuron differentiation. <b>2005</b> , 28, 62-5; discussion 65-6	48
288	Response to Simeone: Coexpression of Pitx3 with tyrosine hydroxylase in midbrain dopaminergic neurons. <b>2005</b> , 28, 65-66	11
287	Three-dimensional chemoarchitecture of the basal forebrain: spatially specific association of cholinergic and calcium binding protein-containing neurons. <b>2005</b> , 136, 697-713	67

286	Neural induction and neural stem cell development. <b>2006</b> , 1, 635-52	14
285	Visual activity and cortical rewiring: activity-dependent plasticity of cortical networks. <b>2006</b> , 157, 3-11	31
284	Lens specification is the ground state of all sensory placodes, from which FGF promotes olfactory identity. <b>2006</b> , 11, 505-17	155
283	Role of Sox2 in the development of the mouse neocortex. <b>2006</b> , 295, 52-66	209
282	Repair process of fetal brain after 5-azacytidine-induced damage. <b>2006</b> , 24, 2758-68	8
281	Mechanisms of ventral patterning in the vertebrate nervous system. <b>2006</b> , 7, 103-14	167
280	Molecular approaches to brain asymmetry and handedness. <b>2006</b> , 7, 655-62	250
279	Embryonic stem cell-derived neural progenitors display temporal restriction to neural patterning. <b>2006</b> , 24, 1908-13	47
278	Xenopus Xotx2 and Drosophila otd share similar activities in anterior patterning of the frog embryo. <b>2006</b> , 216, 511-21	6
277	Genomic sequence and spatiotemporal expression comparison of zebrafish mbx1 and its paralog, mbx2. <b>2006</b> , 216, 647-54	5
276	Expression of secreted semaphorins and their receptors in specific neuromeres, boundaries, and neuronal groups in the developing mouse and chick brain. <b>2006</b> , 1067, 126-37	19
275	Cell proliferation in the forebrain and midbrain of the sea lamprey. <b>2006</b> , 494, 986-1006	31
274	The development of hippocampal interneurons in rodents. <b>2006</b> , 16, 1032-60	117
273	Activation, proliferation and commitment of endogenous stem/progenitor cells to the oligodendrocyte lineage by TS1 in a rat model of dysmyelination. <b>2006</b> , 28, 488-98	13
272	Zinc-finger genes Fez and Fez-like function in the establishment of diencephalon subdivisions. <b>2006</b> , 133, 3993-4004	90
271	Otx2 controls identity and fate of glutamatergic progenitors of the thalamus by repressing GABAergic differentiation. <b>2006</b> , 26, 5955-64	52
270	The Discipline of Neurobehavioral Development: The Emerging Interface of Processes That Build Circuits and Skills. <b>2006</b> , 49, 294-309	34
269	Expanded expression of Sonic Hedgehog in Astyanax cavefish: multiple consequences on forebrain development and evolution. <b>2007</b> , 134, 845-55	93

268	Zic1 and Zic3 regulate medial forebrain development through expansion of neuronal progenitors. <b>2007</b> , 27, 5461-73	68
267	Cell and Tissue Organization. <b>2007</b> ,	1
266	Patterning the zebrafish diencephalon by the conserved zinc-finger protein Fezl. <b>2007</b> , 134, 127-36	71
265	Developmental origin of diencephalic sensory relay nuclei in teleosts. <b>2007</b> , 69, 87-95	52
264	Neurodevelopmental mechanisms underlying psychosis. <b>2007</b> , 22, S1-S7	7
263	Equivalent progenitor cells in the zebrafish anterior preplacodal field give rise to adenohypophysis, lens, and olfactory placodes. <b>2007</b> , 18, 534-42	38
262	Commonalities in fly embryogenesis and mammalian pituitary patterning. <b>2007</b> , 18, 261-5	3
261	Area patterning of the mammalian cortex. <b>2007</b> , 56, 252-69	392
260	Glypicans are differentially expressed during patterning and neurogenesis of early mouse brain. <b>2007</b> , 352, 55-60	30
259	Neural tube programming and the pathogenesis of craniofacial clefts, part II: mesenchyme, pharyngeal arches, developmental fields; and the assembly of the human face. <b>2008</b> , 87, 277-339	6
258	Holoprosencephaly. <b>2008</b> , 87, 13-37	1
257	Basic Nervous System Types: One or Many?. <b>2007</b> , 55-72	9
256	Diversity of brain morphology in teleosts: brain and ecological niche. <b>2007</b> , 69, 76-86	57
255	Expression of chick Fgf19 and mouse Fgf15 orthologs is regulated in the developing brain by Fgf8 and Shh. <b>2007</b> , 236, 2285-97	36
254	Tissue interactions in the developing chick diencephalon. <b>2007</b> , 2, 25	14
253	How to make a mesodiencephalic dopaminergic neuron. <b>2007</b> , 8, 21-32	294
252	Ikaros is expressed in developing striatal neurons and involved in enkephalinergic differentiation. <b>2007</b> , 102, 1805-1816	29
251	Developmental mechanisms and experimental models to understand forebrain malformative diseases. <b>2007</b> , 6 Suppl 1, 45-52	8

250	Patterning the developing diencephalon. <b>2007</b> , 53, 17-26	46
249	Genetics of septo-optic dysplasia. <b>2007</b> , 10, 393-407	74
248	Midline "brain in brain": an unusual variant of holoprosencephaly with anterior prosomeric cortical dysplasia. <b>2007</b> , 23, 437-42	7
247	Physiological consequences of selective suppression of synaptic transmission in developing cerebral cortical networks in vitro: differential effects on intrinsically generated bioelectric discharges in a living <i>Rhodospirillum rubrum</i> model system for slow-wave sleep activity. <b>2008</b> , 32, 1569-600	16
246	The lamprey in evolutionary studies. <b>2008</b> , 218, 221-35	99
245	Transcriptional regulation of mesencephalic dopaminergic neurons: the full circle of life and death. <b>2008</b> , 23, 319-28	69
244	Spatio-temporal expression of Pax6 in <i>Xenopus</i> forebrain. <b>2008</b> , 1239, 92-9	50
243	Spontaneous neuronal burst discharges as dependent and independent variables in the maturation of cerebral cortex tissue cultured in vitro: a review of activity-dependent studies in live <i>Rhodospirillum rubrum</i> systems for the development of intrinsically generated bioelectric slow-wave sleep patterns. <b>2008</b> , 33, 221-44	31
242	Development. <b>2008</b> , 7-66	1
241	Anuran olfactory bulb organization: embryology, neurochemistry and hodology. <b>2008</b> , 75, 241-5	14
240	Developing a sense of scents: plasticity in olfactory placode formation. <b>2008</b> , 75, 340-7	15
239	Fibroblast growth factor receptor 2 plays an essential role in telencephalic progenitors. <b>2008</b> , 30, 306-18	12
238	The evolution of nervous system centralization. <b>2008</b> , 363, 1523-8	152
237	Minimization of exogenous signals in ES cell culture induces rostral hypothalamic differentiation. <b>2008</b> , 105, 11796-801	198
236	Rest-mediated regulation of extracellular matrix is crucial for neural development. <b>2008</b> , 3, e3656	32
235	The embryonic preoptic area is a novel source of cortical GABAergic interneurons. <b>2009</b> , 29, 9380-9	210
234	Ems and Nkx6 are central regulators in dorsoventral patterning of the <i>Drosophila</i> brain. <b>2009</b> , 136, 3937-47	12
233	Telencephalic morphogenesis during the process of neurulation: an experimental study using quail-chick chimeras. <b>2009</b> , 512, 784-97	23



232	Cloning and expression analysis of the anterior parahox genes, Gsh1 and Gsh2 from <i>Xenopus tropicalis</i> . <b>2009</b> , 238, 194-203	19
231	Expression analysis of <i>Sulf1</i> in the chick forebrain at early and late stages of development. <b>2009</b> , 238, 2418-29	6
230	Fate map of the chick embryo neural tube. <b>2009</b> , 51, 145-65	30
229	THE PHYSIOLOGICAL FOUNDATION OF YOGA CHAKRA EXPRESSION. <b>2009</b> , 44, 807-824	8
228	Preview. Stem cell transcriptional loops generate precise temporal identity. <b>2009</b> , 5, 577-8	1
227	Genes and signaling events that establish regional patterning of the mammalian forebrain. <b>2009</b> , 20, 378-86	107
226	Incipient forebrain boundaries traced by differential gene expression and fate mapping in the chick neural plate. <b>2009</b> , 335, 43-65	50
225	Genetic regulation of pituitary gland development in human and mouse. <b>2009</b> , 30, 790-829	335
224	The developmental integration of cortical interneurons into a functional network. <b>2009</b> , 87, 81-118	173
223	Animal Evolution. <b>2009</b> ,	3
222	Development-based compartmentalization of the <i>Drosophila</i> central brain. <b>2010</b> , 518, 2996-3023	50
221	Molecular regulation of the developing commissural plate. <b>2010</b> , 518, 3645-61	37
220	The molecular genetics of holoprosencephaly. <b>2010</b> , 154C, 52-61	186
219	Roles of bone morphogenetic protein signaling and its antagonism in holoprosencephaly. <b>2010</b> , 154C, 43-51	22
218	Ontogenetic expression of sonic hedgehog in the chicken subpallium. <b>2010</b> , 4,	23
217	Molecular mechanisms controlling brain development: an overview of neuroepithelial secondary organizers. <b>2010</b> , 54, 7-20	83
216	Making senses development of vertebrate cranial placodes. <b>2010</b> , 283, 129-234	155
215	Midline signaling and evolution of the forebrain in chordates: a focus on the lamprey Hedgehog case. <b>2010</b> , 50, 98-109	24

214	A Hypomorphic Allele in the FGF8 Gene Contributes to Holoprosencephaly and Is Allelic to Gonadotropin-Releasing Hormone Deficiency in Humans. <b>2010</b> , 1, 59-66		44
213	The iron exporter ferroportin 1 is essential for development of the mouse embryo, forebrain patterning and neural tube closure. <b>2010</b> , 137, 3079-88		36
212	A systematic approach to identify functional motifs within vertebrate developmental enhancers. <b>2010</b> , 337, 484-95		50
211	Otx2 and Otx1 protect diencephalon and mesencephalon from caudalization into metencephalon during early brain regionalization. <b>2010</b> , 347, 392-403		24
210	Morphogenesis of the Hypothalamus and Hypophysis. <b>2010</b> , 25-35		
209	Overview of the Human Brain and Spinal Cord. <b>2011</b> , 1-59		
208	Mechanisms of inhibition within the telencephalon: "where the wild things are". <i>Annual Review of Neuroscience</i> , <b>2011</b> , 34, 535-67	17	168
207	Topography of Somatostatin Gene Expression Relative to Molecular Progenitor Domains during Ontogeny of the Mouse Hypothalamus. <b>2011</b> , 5, 10		62
206	The non-evaginated secondary prosencephalon of vertebrates. <b>2011</b> , 5, 12		44
205	Stringent requirement of a proper level of canonical WNT signalling activity for head formation in mouse embryo. <b>2011</b> , 138, 667-76		44
204	Creating Connections in the Developing Brain: Mechanisms Regulating Corpus Callosum Development. <b>2011</b> , 2, 1-48		3
203	Mechanisms of neurotoxicity induced in the developing brain of mice and rats by DNA-damaging chemicals. <b>2011</b> , 36, 695-712		13
202	Rax : developmental and daily expression patterns in the rat pineal gland and retina. <b>2011</b> , 118, 999-1007		22
201	En1 and Wnt signaling in midbrain dopaminergic neuronal development. <b>2011</b> , 6, 23		53
200	Wnt/ $\beta$ catenin signaling is disrupted in the extra-toes (Gli3(Xt/Xt) ) mutant from early stages of forebrain development, concomitant with anterior neural plate patterning defects. <b>2011</b> , 519, 1640-57		18
199	New insights into cortical interneurons development and classification: contribution of developmental studies. <b>2011</b> , 71, 34-44		28
198	Otx genes in neurogenesis of mesencephalic dopaminergic neurons. <b>2011</b> , 71, 665-79		11
197	Autotaxin is required for the cranial neural tube closure and establishment of the midbrain-hindbrain boundary during mouse development. <b>2011</b> , 240, 413-21		29

196	Contribution of genoarchitecture to understanding forebrain evolution and development, with particular emphasis on the amygdala. <b>2011</b> , 78, 216-36	65
195	Candidate gene screen in the red flour beetle <i>Tribolium</i> reveals six3 as ancient regulator of anterior median head and central complex development. <b>2011</b> , 7, e1002416	58
194	Variation of radiation-sensitivity of neural stem and progenitor cell populations within the developing mouse brain. <b>2012</b> , 88, 694-702	14
193	The primary brain vesicles revisited: are the three primary vesicles (forebrain/midbrain/hindbrain) universal in vertebrates?. <b>2012</b> , 79, 75-83	10
192	Molecular regulation of striatal development: a review. <b>2012</b> , 2012, 106529	22
191	Clonal and molecular analysis of the prospective anterior neural boundary in the mouse embryo. <b>2012</b> , 139, 423-36	51
190	Self-formation of layered neural structures in three-dimensional culture of ES cells. <b>2012</b> , 22, 768-77	105
189	A developmental and genetic classification for malformations of cortical development: update 2012. <b>2012</b> , 135, 1348-69	676
188	Molecular Regionalization of the Developing Neural Tube. <b>2012</b> , 2-18	20
187	Hypothalamus. <b>2012</b> , 221-312	72
186	EEG delta oscillations as a correlate of basic homeostatic and motivational processes. <b>2012</b> , 36, 677-95	358
185	Genetic and physical interaction of Meis2, Pax3 and Pax7 during dorsal midbrain development. <b>2012</b> , 12, 10	29
184	Faster scaling of visual neurons in cortical areas relative to subcortical structures in non-human primate brains. <b>2013</b> , 218, 805-16	31
183	Developmental mechanisms directing early anterior forebrain specification in vertebrates. <b>2013</b> , 70, 3739-52	49
182	A developmental ontology for the mammalian brain based on the prosomeric model. <b>2013</b> , 36, 570-8	171
181	Hand in glove: brain and skull in development and dysmorphogenesis. <b>2013</b> , 125, 469-89	117
180	[Fetal MRI and ultrasound of congenital CNS anomalies]. <b>2013</b> , 53, 116-22	1
179	Area Patterning of the Mammalian Cortex. <b>2013</b> , 61-85	8

178	Plan of the Developing Vertebrate Nervous System. <b>2013</b> , 187-209	33
177	Deep homology of arthropod central complex and vertebrate basal ganglia. <b>2013</b> , 340, 157-61	226
176	Neocortical arealization: evolution, mechanisms, and open questions. <b>2013</b> , 73, 411-47	43
175	Characterization of the hypothalamus of <i>Xenopus laevis</i> during development. I. The alar regions. <b>2013</b> , 521, 725-59	53
174	Local apoptosis modulates early mammalian brain development through the elimination of morphogen-producing cells. <b>2013</b> , 27, 621-34	81
173	Modeling Huntington $\beta$ disease with induced pluripotent stem cells. <b>2013</b> , 56, 50-64	53
172	Epigenetic regulation of neural stem cell fate during corticogenesis. <b>2013</b> , 31, 424-33	48
171	Hypocretin/orexin neurons contribute to hippocampus-dependent social memory and synaptic plasticity in mice. <b>2013</b> , 33, 5275-84	85
170	Medial ganglionic eminence-like cells derived from human embryonic stem cells correct learning and memory deficits. <b>2013</b> , 31, 440-7	186
169	Perspectives in Evo-Devo of the Vertebrate Brain. <b>2013</b> , 151-172	4
168	Development of the medial hypothalamus: forming a functional hypothalamic-neurohypophyseal interface. <b>2013</b> , 106, 49-88	55
167	Molecular characterization of prosomeric and intraprosomeric subdivisions of the embryonic zebrafish diencephalon. <b>2013</b> , 521, 1093-118	26
166	Cellular and molecular basis of cerebellar development. <b>2013</b> , 7, 18	81
165	Evolution and development of interhemispheric connections in the vertebrate forebrain. <b>2014</b> , 8, 497	89
164	Development of the prethalamus is crucial for thalamocortical projection formation and is regulated by <i>Olig2</i> . <b>2014</b> , 141, 2075-84	14
163	Regionalized differentiation of CRH, TRH, and GHRH peptidergic neurons in the mouse hypothalamus. <b>2014</b> , 219, 1083-111	30
162	<i>Otx2</i> cell-autonomously determines dorsal mesencephalon versus cerebellum fate independently of isthmic organizing activity. <b>2014</b> , 141, 377-88	17
161	Growth and folding of the mammalian cerebral cortex: from molecules to malformations. <b>2014</b> , 15, 217-32	320

160	An anterior medial cell population with an apical-organ-like transcriptional profile that pioneers the central nervous system in the centipede <i>Strigamia maritima</i> . <b>2014</b> , 396, 136-49	32
159	Development and Developmental Disorders of the Forebrain. <b>2014</b> , 421-521	1
158	The facial neural crest controls fore- and midbrain patterning by regulating <i>Foxg1</i> expression through <i>Smad1</i> activity. <b>2014</b> , 141, 2494-505	26
157	Protocadherins and hypothalamic development: do they play an unappreciated role?. <b>2015</b> , 27, 544-55	5
156	Identification of the optic recess region as a morphogenetic entity in the zebrafish forebrain. <b>2015</b> , 5, 8738	31
155	Involvement of <i>Slit-Robo</i> signaling in the development of the posterior commissure and concomitant swimming behavior in <i>Xenopus laevis</i> . <b>2015</b> , 1, 28	6
154	Characterization of a mammalian prosencephalic functional plan. <b>2014</b> , 8, 161	12
153	A new scenario of hypothalamic organization: rationale of new hypotheses introduced in the updated prosomeric model. <b>2015</b> , 9, 27	117
152	<i>MCPH1</i> : a window into brain development and evolution. <b>2015</b> , 9, 92	25
151	Gene Maps and Related Histogenetic Domains in the Forebrain and Midbrain. <b>2015</b> , 3-24	2
150	Early divergence of central and peripheral neural retina precursors during vertebrate eye development. <b>2015</b> , 244, 266-76	5
149	Evolutionary Developmental Biology of Invertebrates 3. <b>2015</b> ,	1
148	Development of the Avian Dorsal Thalamus: Patterns and Gradients of Neurogenesis. <b>2015</b> , 86, 94-109	
147	The emerging framework of mammalian auditory hindbrain development. <b>2015</b> , 361, 33-48	15
146	<i>Dmrt5</i> controls corticotrope and gonadotrope differentiation in the zebrafish pituitary. <b>2015</b> , 29, 187-99	9
145	Generation of a ciliary margin-like stem cell niche from self-organizing human retinal tissue. <b>2015</b> , 6, 6286	168
144	Dopaminergic Neurons Controlling Anterior Pituitary Functions: Anatomy and Ontogenesis in Zebrafish. <b>2015</b> , 156, 2934-48	31
143	Myriapoda. <b>2015</b> , 141-189	4

142	Holoprosencephaly: signaling interactions between the brain and the face, the environment and the genes, and the phenotypic variability in animal models and humans. <b>2015</b> , 4, 17-32	66
141	Endocrinology of Fetal Development. <b>2016</b> , 849-892	4
140	An Evolutionarily Conserved Network Mediates Development of the zona limitans intrathalamica, a Sonic Hedgehog-Secreting Caudal Forebrain Signaling Center. <b>2016</b> , 4,	5
139	Cortical neurogenesis in fragile X syndrome. <b>2016</b> , 8, 160-8	12
138	. <b>2016</b> ,	1
137	Forebrain Development in Vertebrates. <b>2016</b> , 350-387	1
136	GAP junctional communication in brain secondary organizers. <b>2016</b> , 58, 446-55	11
135	Lineage Is a Poor Predictor of Interneuron Positioning within the Forebrain. <b>2016</b> , 92, 45-51	24
134	Principles of Early Vertebrate Forebrain Formation. <b>2016</b> , 299-317	0
133	Transcriptional profiles of supragranular-enriched genes associate with corticocortical network architecture in the human brain. <b>2016</b> , 113, E469-78	136
132	Fetal and Neonatal Endocrinology. <b>2016</b> , 2499-2529.e9	1
131	The Origin of Vertebrate Brain Centers. <b>2017</b> , 215-252	3
130	Nkx2.1 regulates the generation of telencephalic astrocytes during embryonic development. <b>2017</b> , 7, 43093	18
129	Telencephalic Tissue Formation in 3D Stem Cell Culture. <b>2017</b> , 1-24	
128	Histology Atlas of the Developing Prenatal and Postnatal Mouse Central Nervous System, with Emphasis on Prenatal Days E7.5 to E18.5. <b>2017</b> , 45, 705-744	51
127	Spatiotemporal gene expression trajectories reveal developmental hierarchies of the human cortex. <b>2017</b> , 358, 1318-1323	396
126	Zebrafish zic2 controls formation of periocular neural crest and choroid fissure morphogenesis. <b>2017</b> , 429, 92-104	16
125	A New Mammalian Brain Ontology Based on Developmental Gene Expression. <b>2017</b> , 53-75	5

124	The 2016 Bernard Sachs Lecture: Timing in Morphogenesis and Genetic Gradients During Normal Development and in Malformations of the Nervous System. <b>2018</b> , 83, 3-13	3
123	Three-dimensional models of the segmented human fetal brain generated by magnetic resonance imaging. <b>2018</b> , 58, 48-55	7
122	Prenatal Hydrocephalus: Prenatal Diagnosis. <b>2018</b> , 1-75	
121	Cephalopod Brains: An Overview of Current Knowledge to Facilitate Comparison With Vertebrates. <b>2018</b> , 9, 952	53
120	Holoprosencephaly in the genomics era. <b>2018</b> , 178, 165-174	36
119	SP8 Transcriptional Regulation of During Mouse Early Corticogenesis. <b>2018</b> , 12, 119	2
118	Prosencephalic Development. <b>2018</b> , 34-57	2
117	Signals from the caudal diencephalon are required for the projection of the Interstitial Nuclei of Cajal. <b>2018</b> , 69, 10-16	
116	Mechanisms of Cortical Differentiation. <b>2018</b> , 336, 223-320	13
115	Development of neuroendocrine neurons in the mammalian hypothalamus. <b>2019</b> , 375, 23-39	35
114	Developmental Cell Death in the Cerebral Cortex. <b>2019</b> , 35, 523-542	41
113	Brain-specific homeobox Bsx specifies identity of pineal gland between serially homologous photoreceptive organs in zebrafish. <b>2019</b> , 2, 364	5
112	Development and Arealization of the Cerebral Cortex. <b>2019</b> , 103, 980-1004	97
111	Prenatal Hydrocephalus: Prenatal Diagnosis. <b>2019</b> , 509-573	
110	Normal Hypothalamic and Pituitary Development and Physiology in the Fetus and Neonate. <b>2020</b> , 527-545	
109	Origin and development of circumventricular organs in living vertebrate. <b>2020</b> , 102, 13-20	6
108	Convergent extension in mammalian morphogenesis. <b>2020</b> , 100, 199-211	23
107	Developmental Genes and Malformations in the Hypothalamus. <b>2020</b> , 14, 607111	7

106	Transcription Factors of the bHLH Family Delineate Vertebrate Landmarks in the Nervous System of a Simple Chordate. <b>2020</b> , 11,	2
105	Spatiotemporal Differences in the Regional Cortical Plate and Subplate Volume Growth during Fetal Development. <b>2020</b> , 30, 4438-4453	10
104	Npas1-Nkx2.1 Neurons Are an Integral Part of the Cortico-pallido-cortical Loop. <b>2020</b> , 40, 743-768	34
103	A 3D molecular map of the cavefish neural plate illuminates eyefield organization and its borders in vertebrates.	2
102	Urokinase plasminogen activator mediates changes in human astrocytes modeling fragile X syndrome. <b>2021</b> , 69, 2947-2962	2
101	The Ferret as a Model for Visual System Development and Plasticity. 711-734	2
100	Overview of the Development of the Human Brain and Spinal Cord. <b>2006</b> , 1-45	2
99	Mechanisms of Development. <b>2006</b> , 47-95	2
98	Role of Hedgehog and Gli Signalling in Telencephalic Development. <b>2006</b> , 23-35	1
97	The role of Otx genes in progenitor domains of ventral midbrain. <b>2009</b> , 651, 36-46	2
96	Ambulacrarians and the Ancestry of Deuterostome Nervous Systems. <b>2019</b> , 68, 31-59	3
95	Neurogenetic compartments of the mouse diencephalon and some characteristic gene expression patterns. <b>2000</b> , 30, 91-106	44
94	Overview of the Development of the Human Brain and Spinal Cord. <b>2014</b> , 1-52	2
93	Brain Evolution as an Information Flow Designer: The Ground Architecture for Biological and Artificial General Intelligence. <b>2017</b> , 415-438	3
92	Forebrain. <b>2002</b> , 299-315	8
91	Neural Tube Formation and Prosencephalic Development. <b>2008</b> , 3-50	11
90	Neuroembryology. <b>2011</b> , 78-97	2
89	HOLOPROSENCEPHALY: NEW CONCEPTS. <b>2001</b> , 9, 149-164	35



88	Genomic, phylogenetic, and cell biological insights into metazoan origins. <b>2009</b> , 24-32	12
87	The mouth, the anus, and the blastopore—open questions about questionable openings. <b>2009</b> , 33-40	18
86	Origins of metazoan body plans: the larval revolution. <b>2009</b> , 43-51	2
85	Assembling the spiralian tree of life. <b>2009</b> , 52-64	26
84	The origins and evolution of the Ecdysozoa. <b>2009</b> , 71-79	2
83	Deciphering deuterostome phylogeny: molecular, morphological, and palaeontological perspectives. <b>2009</b> , 80-92	5
82	Invertebrate Problematica: kinds, causes, and solutions. <b>2009</b> , 107-126	2
81	Improvement of molecular phylogenetic inference and the phylogeny of Bilateria. <b>2009</b> , 127-138	1
80	Beyond linear sequence comparisons: the use of genome-level characters for phylogenetic reconstruction. <b>2009</b> , 139-147	1
79	The animal in the genome: comparative genomics and evolution. <b>2009</b> , 148-156	1
78	MicroRNAs and metazoan phylogeny: big trees from little genes. <b>2009</b> , 157-170	26
77	Reassembling animal evolution: a four-dimensional puzzle. <b>2009</b> , 191-196	2
76	A role for neural determination genes in specifying the dorsoventral identity of telencephalic neurons. <b>2000</b> , 14, 67-80	309
75	Visceral endoderm-restricted translation of Otx1 mediates recovery of Otx2 requirements for specification of anterior neural plate and normal gastrulation. <b>1998</b> , 125, 5091-5104	125
74	Loss of Nkx2.1 homeobox gene function results in a ventral to dorsal molecular respecification within the basal telencephalon: evidence for a transformation of the pallidum into the striatum. <b>1999</b> , 126, 3359-3370	618
73	Anterior cephalic neural crest is required for forebrain viability. <b>1999</b> , 126, 3533-3543	78
72	Dlx5 regulates regional development of the branchial arches and sensory capsules. <b>1999</b> , 126, 3831-3846	263
71	Successive patterns of clonal cell dispersion in relation to neuromeric subdivision in the mouse neuroepithelium. <b>1999</b> , 126, 4095-4106	22

70	FGF8 can activate Gbx2 and transform regions of the rostral mouse brain into a hindbrain fate. <b>1999</b> , 126, 4827-4838	144
69	Bmp activity establishes a gradient of positional information throughout the entire neural plate. <b>1999</b> , 126, 4977-4987	182
68	oto is a homeotic locus with a role in anteroposterior development that is partially redundant with Lim1. <b>1999</b> , 126, 5085-5095	17
67	Mash1 regulates neurogenesis in the ventral telencephalon. <b>1999</b> , 126, 525-534	474
66	Sox2 regulatory sequences direct expression of a (beta)-geo transgene to telencephalic neural stem cells and precursors of the mouse embryo, revealing regionalization of gene expression in CNS stem cells. <b>2000</b> , 127, 2367-2382	261
65	The homeobox gene Hex is required in definitive endodermal tissues for normal forebrain, liver and thyroid formation. <b>2000</b> , 127, 2433-2445	323
64	Myf5 is a novel early axonal marker in the mouse brain and is subjected to post-transcriptional regulation in neurons. <b>2000</b> , 127, 319-331	41
63	The Gsh2 homeodomain gene controls multiple aspects of telencephalic development. <b>2000</b> , 127, 5007-5020	159
62	A local Wnt-3a signal is required for development of the mammalian hippocampus. <b>2000</b> , 127, 457-467	439
61	Different clonal dispersion in the rostral and caudal mouse central nervous system. <b>2000</b> , 127, 1277-1290	43
60	Monofocal origin of telencephalic oligodendrocytes in the anterior entopeduncular area of the chick embryo. <b>2001</b> , 128, 1757-1769	82
59	Emx2 directs the development of diencephalon in cooperation with Otx2. <b>2001</b> , 128, 2433-2450	49
58	Forebrain and midbrain development requires epiblast-restricted Otx2 translational control mediated by its 3' UTR. <b>2001</b> , 128, 2989-3000	26
57	Zebrafish smoothed functions in ventral neural tube specification and axon tract formation. <b>2001</b> , 128, 3497-3509	220
56	Identification and expression of the lamprey Pax6 gene: evolutionary origin of the segmented brain of vertebrates. <b>2001</b> , 128, 3521-3531	156
55	In utero fate mapping reveals distinct migratory pathways and fates of neurons born in the mammalian basal forebrain. <b>2001</b> , 128, 3759-3771	508
54	Fgf signalling through MAPK cascade is required for development of the subpallial telencephalon in zebrafish embryos. <b>2001</b> , 128, 4153-4164	104
53	Regionalisation of anterior neuroectoderm and its competence in responding to forebrain and midbrain inducing activities depend on mutual antagonism between OTX2 and GBX2. <b>2001</b> , 128, 4789-4800	79

52	OTD/OTX2 functional equivalence depends on 5' and 3' UTR-mediated control of Otx2 mRNA for nucleo-cytoplasmic export and epiblast-restricted translation. <b>2001</b> , 128, 4801-4813	34
51	Sonic hedgehog-dependent emergence of oligodendrocytes in the telencephalon: evidence for a source of oligodendrocytes in the olfactory bulb that is independent of PDGFR $\beta$ signaling. <b>2001</b> , 128, 4993-5004	89
50	Developmental origin of the rat adenohypophysis prior to the formation of Rathke's pouch. <b>2001</b> , 128, 959-963	56
49	Early subdivisions in the neural plate define distinct competence for inductive signals. <b>2002</b> , 129, 83-93	164
48	Fate map of the chicken neural plate at stage 4. <b>2002</b> , 129, 2807-2822	69
47	Patterns of neurogenesis and amplitude of Reelin expression are essential for making a mammalian-type cortex. <b>2008</b> , 3, e1454	68
46	16p11.2 microdeletion imparts transcriptional alterations in human iPSC-derived models of early neural development. <b>2020</b> , 9,	2
45	Programmed Cell Death Not as Sledgehammer but as Chisel: Apoptosis in Normal and Abnormal Craniofacial Patterning and Development. <b>2021</b> , 9, 717404	1
44	Relationship between Blood Vessels and Migration of Neuroblasts in the Olfactory Neurogenic Region of the Rodent Brain. <b>2021</b> , 22,	1
43	Cortical Histogenesis. <b>2003</b> , 777-784	
42	Cell Proliferation. <b>2006</b> , 9-26	
41	Conserved developmental processes and the evolution of novel traits: wounds, embryos, veins, and butterfly eyespots. <b>2009</b> , 183-190	
40	The Ediacaran emergence of bilaterians: congruence between the genetic and the geological fossil records. <b>2009</b> , 15-23	
39	The evolution of nervous system centralization. <b>2009</b> , 65-70	
38	The evolution of developmental gene networks: lessons from comparative studies on holometabolous insects. <b>2009</b> , 171-182	
37	The earliest fossil record of the animals and its significance. <b>2009</b> , 3-14	
36	Molecular genetic insights into deuterostome evolution from the direct-developing hemichordate <i>Saccoglossus kowalevskii</i> . <b>2009</b> , 93-104	
35	Sviluppo. <b>2010</b> , 7-66	

34	The central nervous system. <b>2011</b> , 887-1036	
33	Animal Models of Depression. <b>2011</b> , 34-59	
32	Development and Growth of the Nervous System. <b>2012</b> , 103-129	
31	Mechanisms of Development. <b>2014</b> , 53-104	
30	Cortical Histogenesis. <b>2014</b> , 872-878	
29	Nkx2.1 regulates the proliferation and cell fate of telencephalic astrocytes during embryonic development.	
28	Factors involved in the development of pituitary and hypothalamus: a short review. <b>2018</b> , 6, 150-154	1
27	Npas1+-Nkx2.1+ Neurons Are an Integral Part of the Cortico-pallido-cortical Loop.	1
26	Foxg1 Organizes Cephalic Ectoderm to Repress Mandibular Fate, Regulate Apoptosis, Generate Choanae, Elaborate the Auxiliary Eye and Pattern the Upper Jaw.	
25	Copy Number Variation at 16p11.2 Imparts Transcriptional Alterations in Neural Development in an iPSC-derived Model of Corticogenesis.	1
24	Regulation der Entwicklung der Hypophyse. <b>2006</b> , 81-108	1
23	Development and Growth of the Nervous System. <b>2005</b> , 101-128	
22	A role for neural determination genes in specifying the dorsoventral identity of telencephalic neurons. <b>2000</b> , 14, 67-80	422
21	Assessment of the deep gray nuclei in holoprosencephaly. <b>2000</b> , 21, 1955-61	67
20	The avian subpallium and autonomic nervous system. <b>2022</b> , 257-290	
19	A 3D molecular map of the cavefish neural plate illuminates eye-field organization and its borders in vertebrates.. <b>2022</b> , 149,	3
18	Recollections on the Origins and Development of the Prosomeric Model.. <b>2021</b> , 15, 787913	2
17	Image1.JPEG. <b>2018</b> ,	

16 Image2.JPEG. **2018**,

15 Image3.JPEG. **2018**,

14 Image4.JPEG. **2018**,

13 Image5.JPEG. **2018**,

12 Table1.PDF. **2018**,

11 Table2.DOC. **2018**,

10 Table3.PDF. **2018**,

9 Table4.DOC. **2018**,

8 Foreword. **2009**, v-vi

7 Copyright Page. **2009**, iv-iv

6 Contributors. **2009**, xi-xii

5 Introduction. **2009**, xiii-xvi

4 General Rules of Brain Morphogenesis in Vertebrates: An Hourglass Model. **2022**, 15-28

3 Transcriptional Profile of the Developing Subthalamic Nucleus. **2022**, 9, ENEURO.0193-22.2022

2 Gene-Environment interactions in the pathogenesis of common craniofacial anomalies. **2022**,

1 Regionalization of the Early Nervous System. **2023**, 47-69