

Organotypic monolayer cultures of nervous tissue

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Multiple actions of acetylcholine on hippocampal pyramidal cells in organotypic explant cultures. <i>Neuroscience</i> , 1982, 7, 1243-1256.	1.1	55
2	A method for defined sectioning of fresh young brains and collection of small regions for cell and tissue culture. <i>Journal of Neuroscience Methods</i> , 1983, 7, 377-387.	1.3	8
3	Choline acetyltransferase in organotypic cultures of rat septum and hippocampus. <i>Neuroscience Letters</i> , 1983, 42, 273-278.	1.0	22
4	Cellular, histochemical and connective organization of the hippocampus and fascia dentata transplanted to different regions of immature and adult rat brains. <i>Developmental Brain Research</i> , 1983, 8, 165-191.	2.1	121
5	Single neuron cultivation of embryonic and perinatal rabbit or rat brains based on plasma clot technique. <i>Developmental Brain Research</i> , 1983, 7, 221-234.	2.1	5
6	Vasopressin, Corticoliberins and the Central Control of ACTH Secretion. <i>Progress in Brain Research</i> , 1983, 60, 505-511.	0.9	4
7	Towards an improved serum-free, chemically defined medium for long-term culturing of cerebral cortex tissue. <i>Neuroscience and Biobehavioral Reviews</i> , 1984, 8, 301-334.	2.9	198
8	Access and distribution of exogenous substances in the intercellular clefts of the rat adenohiphophysis. <i>Cell and Tissue Research</i> , 1984, 236, 439-52.	1.5	13
9	No role of vasopressin in stress-induced ACTH secretion?. <i>Nature</i> , 1984, 308, 85-86.	13.7	30
10	Cellular and connective organization of slice cultures of the rat hippocampus and fascia dentata. <i>Journal of Comparative Neurology</i> , 1984, 228, 432-446.	0.9	226
11	Slice cultures of cerebellar, hippocampal and hypothalamic tissue. <i>Experientia</i> , 1984, 40, 235-243.	1.2	197
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13	Development of the hippocampus in vitro: Cell types, synapses and receptors. <i>Neuroscience</i> , 1984, 11, 751-760.	1.1	212
14	Guidance of acetylcholinesterase-containing fibres by target tissue in co-cultured brain slices. <i>Neuroscience</i> , 1984, 13, 681-689.	1.1	87
15	Facilitation by acetylcholine of tetrodotoxin-resistant spikes in rat hippocampal pyramidal cells. <i>Neuroscience</i> , 1984, 11, 381-388.	1.1	33
16	Pitrazepin, a novel GABAA antagonist. <i>Neuroscience Letters</i> , 1984, 45, 311-316.	1.0	61
17	GABAB-receptor-activated K ⁺ current in voltage-clamped CA3 pyramidal cells in hippocampal cultures.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985, 82, 1558-1562.	3.3	393
18	Functional innervation of cultured hippocampal neurones by cholinergic afferents from co-cultured septal explants. <i>Nature</i> , 1985, 313, 577-579.	13.7	136

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19	Fetal rat brain hemisphere tissue in nonadherent stationary organ culture. <i>Experientia</i> , 1985, 41, 1517-1524.	1.2	10
20	Development of mouse spinal cord in tissue culture—III. Quantification of neuron development in neural tube microfragment cultures. <i>International Journal of Developmental Neuroscience</i> , 1985, 3, 57-67.	0.7	5
21	Development of cholinergic projections in organotypic cultures of rat septum, hippocampus and cerebellum. <i>Developmental Brain Research</i> , 1985, 19, 267-278.	2.1	41
22	Striatal acetylcholinesterase-containing interneurons innervate hippocampal tissue in co-cultured slices. <i>Developmental Brain Research</i> , 1985, 18, 311-314.	2.1	17
23	Valorphan: A novel chemical structure with opioid activity. <i>Neuropeptides</i> , 1985, 5, 387-390.	0.9	3
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25	Immunohistochemical localization of a spectrin-like protein (fodrin) in nerve cells in culture. <i>Neuroscience Letters</i> , 1986, 63, 33-38.	1.0	10
26	Influence of adenohipophyseal tissue on the development of the rat fascia dentata in vitro. <i>Neuroscience</i> , 1986, 17, 391-397.	1.1	6
27	Muscarinic receptors in slice cultures of rat brain. <i>Neuropharmacology</i> , 1986, 25, 221-226.	2.0	8
28	In vitro cytotoxicity and demyelination induced by theiler viruses in cultures of spinal cord slices. <i>Journal of Neuroscience Research</i> , 1986, 16, 671-681.	1.3	11
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31	Subtypes of muscarinic receptors in cultured explants of the hippocampus of the rat. <i>Neuropharmacology</i> , 1987, 26, 1027-1029.	2.0	1
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33	Development of serotonergic neurons from ventricular cells of the mouse neural plate in vitro. <i>International Journal of Developmental Neuroscience</i> , 1987, 5, 107-115.	0.7	9
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35	Effects of dihydropyridines on calcium currents in CA3 pyramidal cells in slice cultures of rat hippocampus. <i>Neuroscience</i> , 1987, 20, 731-738.	1.1	40
36	Selective kainic acid lesions in cultured explants of rat hippocampus. <i>Acta Neuropathologica</i> , 1987, 74, 183-190.	3.9	32

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38	Compartments in the organum vasculosum laminae terminalis of the rat and their delineation against the outer cerebrospinal fluid-containing space. <i>Cell and Tissue Research</i> , 1987, 250, 331-47.	1.5	21
39	In vitro regeneration of adult rat ganglion cell axons from retinal explants. <i>Experimental Brain Research</i> , 1988, 73, 393-401.	0.7	83
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41	Organotypic culture of central histamine neurons. <i>Brain Research</i> , 1988, 442, 166-170.	1.1	15
42	Videomicroscopy of acute brain slices from amygdala and hippocampus. <i>Brain Research Bulletin</i> , 1988, 21, 373-383.	1.4	20
43	Optical recording with single cell resolution from monolayered slice cultures of rat hippocampus. <i>Neuroscience Letters</i> , 1988, 92, 259-264.	1.0	22
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50	Synaptic organization of intracellularly stained CA3 pyramidal neurons in slice cultures of rat hippocampus. <i>Neuroscience</i> , 1988, 24, 541-551.	1.1	103
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53	Chapter 1 The development of functional connections between transplanted embryonic and mature cortical neurons. <i>Progress in Brain Research</i> , 1988, 78, 3-11.	0.9	5
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140	Morphological and functional consequences of chronic epilepsy in rat hippocampal slice cultures. <i>Pflugers Archiv European Journal of Physiology</i> , 1993, 422, 418-423.	1.3	8
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145	Loss of Layer-specific Astrocytic Glutamine Synthetase Immunoreactivity in Slice Cultures of Hippocampus. <i>European Journal of Neuroscience</i> , 1993, 5, 122-127.	1.2	27

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810	Preparation of Rat Organotypic Hippocampal Slice Cultures Using the Membrane-Interface Method. <i>Methods in Molecular Biology</i> , 2021, 2188, 243-257.	0.4	2
813	Microcontact Printing of Cholinergic Neurons in Organotypic Brain Slices. <i>Frontiers in Neurology</i> , 2021, 12, 775621.	1.1	2
814	Modeling the Human Brain With ex vivo Slices and in vitro Organoids for Translational Neuroscience. <i>Frontiers in Neuroscience</i> , 2022, 16, 838594.	1.4	16
815	Alternative Brain Slice-on-a-Chip for Organotypic Culture and Effective Fluorescence Injection Testing. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2549.	1.8	7
816	Cell Networks in Endocrine/Neuroendocrine Gland Function. , 2022, 12, 3371-3415.		3
817	Slice Preparation. , 2009, , 3743-3745.		0
822	Expansion microscopy of mouse brain organotypic slice cultures to study protein distribution. <i>STAR Protocols</i> , 2022, 3, 101507.	0.5	0
823	Moving through the crowd. Where are we at understanding physiological axon growth?. <i>Seminars in Cell and Developmental Biology</i> , 2023, 140, 63-71.	2.3	5
824	Control of Ca ²⁺ signals by astrocyte nanoscale morphology at tripartite synapses. <i>Glia</i> , 2022, 70, 2378-2391.	2.5	11
827	A Neurospheroid-Based Microrobot for Targeted Neural Connections in a Hippocampal Slice. <i>Advanced Materials</i> , 2023, 35, .	11.1	5
837	Developing High-Fidelity In Vitro Models of Traumatic Brain Injury to Test Therapeutic Biomaterials. <i>Pancreatic Islet Biology</i> , 2024, , 271-315.	0.1	0