

1152 Study Guide

Supplementary motor area Possible functions attributed to the SMA include the postural stabilization of the body, the coordination of both sides of the body such as during bimanual action, the control of movements that are internally generated rather than triggered by sensory events, and the control of sequences of movements. Neurophysiol. 3. 653. Neurons in the SMA project directly to the spinal cord and may play a role in the direct control of movement. In humans, the body map is not apparent. J. All of these proposed functions remain hypotheses. activity during a learned motor task",. In monkeys, the SMA contains a rough map of the body. {{cite journal}}: CS1 maint: multiple names: The supplementary motor area (SMA) is a part of the motor cortex of primates that contributes to the control of movement. It is located on the midline surface of the hemisphere just in front of (anterior to) the primary motor cortex leg representation. 68 (3): 653–662. 1992. 68. 1152/jn. PMID 1432040. doi:10 1f94f39d7d

Soviet and communist studies Europe-Asia Studies. Taylor & Francis. JSTOR 826310. Wheatcroft Soviet and communist studies, or simply Soviet studies, is the field of regional and historical studies on the Soviet Union and other communist states, as well as the history of communism and of the communist parties that existed or still exist in some form in many countries, both inside and outside the former Eastern Bloc, such as the Communist Party USA. Aspects of its historiography have attracted debates between historians on several topics, including totalitarianism and Cold War espionage. "Soviet Repression Statistics: Some Comments". 54 (7): 1152–1172. 1080/0966813022000017177. doi:10 1f94f39d7d

Depending on the protocols used, the body may acclimate to the relative lack of oxygen in one or more ways such as increasing the mass of red blood cells and hemoglobin, or altering muscle metabolism. Proponents claim that when such athletes travel to competitions at lower altitudes they will still have a higher concentration of red blood cells for 10–14 days, and this gives... 1f94f39d7d

Christian J. Lambertsen 243. 1999. Later, after the war, he called it Laru (acronym for Lambertsen Amphibious Respiratory Unit) and finally, in 1952, he changed his invention's name again to SCUBA (Self Contained Underwater Breathing Apparatus). ATA on pulmonary function in men (predictive studies V)". Physiol. PMID 9887137. doi:10. J. Gelfand R, Christian James Lambertsen (May 15, 1917 – February 11, 2011) was an American medical researcher. 86. He was a environmental medicine and diving medicine specialist who was principally responsible for developing the United States Navy frogmen's rebreathers in the early 1940s for underwater warfare. 1152/jappl. Although diving regulator technology was invented by Émile Gagnan and Jacques-Yves Cousteau in 1943 and was unrelated. 1. 86 (1): 243–59. Appl. Lambertsen designed a series of rebreathers in 1940 (patent filing date: 16 Dec 1940) and in 1944 (patent issue date: 2 May 1944) and first called his invention breathing apparatus 1f94f39d7d

Vernon Benjamin Mountcastle Mountcastle Vernon Benjamin Mountcastle (July 15, 1918 – January 11, 2015) was an American neurophysiologist and Professor Emeritus of Neuroscience at Johns Hopkins University. PMID 13439410. This discovery was a turning point in investigations of the cerebral cortex, as nearly all cortical studies of sensory function after Mountcastle's 1957 paper, on the somatosensory cortex, used columnar organization as their basis. 20. H. Snyder, S. 1152/jn. Journal of Neurophysiology. somatic sensory cortex". doi:10. 1957. He discovered and characterized the columnar organization of the cerebral cortex in the 1950s. 20 (4): 408–34. 4. 408. "Vernon B. (2015) 1f94f39d7d

Supplementary eye field Current research strives to explore the SEF's contribution to visual search and its role in visual salience. visually guided saccadic eye movements in the supplementary motor area of rhesus monkeys". The SEF constitutes together with the frontal eye fields (FEF), the intraparietal sulcus (IPS), and the superior colliculus (SC) one of the most important brain areas involved in the generation and control of eye movements, particularly in the direction contralateral to their location. Journal of Neurophysiology. Its precise function is not yet fully known. Neural recordings in the SEF show signals related to both vision and saccades. doi:10. 1991 Supplementary eye field (SEF) is the name for the anatomical area of the dorsal medial frontal lobe of the primate cerebral cortex that is indirectly involved in the control of saccadic eye movements. 1152/jn. Evidence for a supplementary eye field was first shown by Schlag, and Schlag-Rey. 66 (2): 530–558 1f94f39d7d

Pereslavl-Zalessky Population: 41,925 (2010 Census); 43,379 (2002 Census); 42,331 (1989 Soviet census). It was founded in 1152 by George I of Vladimir as a projected capital of Zalesye (lit. 'beyond the Pereslavl-Zalessky (Russian: Переславль-Залесский, IPA: [pʲɪrʲɪˈslavlʲ zɐˈlʲeskʲɪj]), formerly known as Pereyaslavl-Zalessky, or simply Pereyaslavl, is a town in Yaroslavl Oblast, Russia, located on the main Moscow-Yaroslavl road and on the southeastern shore of Lake Pleshcheyevo at the mouth of the Trubezh River. Census); 43,379 (2002 Census); 42,331 (1989 Soviet census) 1f94f39d7d

Biopac student lab 1152/advan. doi:10. ISSN 1043-4046. Teaching in the laboratory: The Biopac Student Lab is a proprietary teaching device and method introduced in 1995 as a digital replacement for aging chart recorders and oscilloscopes that were widely used in undergraduate teaching laboratories prior to that time. It is manufactured by BIOPAC Systems, Inc. PMID 19261764. 90174. , of Goleta, California. 33 (1): 78-79. The advent of low cost personal computers meant that older analog technologies could be replaced with powerful and less expensive computerized alternatives. physiology laboratory". 2008. Advances in Physiology Education 1f94f39d7d

Sex as a biological variable S. National Institutes of Health have instituted SABV policies. ISSN 0193-1857. doi:10. Shah, Kalpit; McCormack Sex as a biological variable (SABV) is a research policy recognizing sex as an important variable to consider when designing studies and assessing results. Editorial policies were established by various scientific journals recognizing the importance and requiring research to consider SABV. 2012. 1152/ajpgi. Gastrointestinal and Liver Physiology. PMID 22421621. 00101. Public research institutions including the European Commission, Canadian Institutes of Health Research, and the U. 302 (9): G907 - G908. Research including SABV has strengthened the rigor and reproducibility of findings. Physiology 1f94f39d7d

Inhibitory postsynaptic potential hippocampus in vitro". PMID 2709096. The opposite of an inhibitory postsynaptic potential is an excitatory postsynaptic potential (EPSP), which is a synaptic potential that makes a postsynaptic neuron more likely to generate an action potential. 1152/jn. This determines whether an action potential occurring at the presynaptic terminal produces an action potential at the postsynaptic membrane. 501. Berne An inhibitory postsynaptic potential (IPSP) is a kind of synaptic potential that makes a postsynaptic neuron less likely to generate an action potential. 61. 61 (3): 501-11. 1989. EPSPs and IPSPs compete with each other at numerous synapses of a neuron. Journal of Neurophysiology. IPSPs can take place at all chemical synapses, which use the secretion of neurotransmitters to create cell-to-cell signalling. Levy M, Koeppen B, Stanton B (2005). doi:10. Some common neurotransmitters involved in IPSPs are GABA and glycine. 3 1f94f39d7d

Soviet and Eastern European studies was also a form of area studies that included the study of various aspects of Soviet society, including agriculture, the Council for Mutual Economic Assistance (COMECON), trade relations in the Warsaw Pact, cultural and scientific achievements, nationality policies... 1f94f39d7d Inhibitory presynaptic... 1f94f39d7d Students in undergraduate teaching labs use the BSL system to record data from their own bodies, animals or tissue preparations. The BSL system integrates hardware, software and curriculum materials including over sixty experiments that students use to study the cardiovascular system, muscles, pulmonary function, autonomic nervous system,... 1f94f39d7d

Altitude training S2CID 25708310. Egan, E. PMID 17690191. 2006. (2013). doi:10. 01320. 1152/japphysiol. 9% oxygen, but the barometric pressure and thus the partial pressure of oxygen is reduced. At intermediate altitudes, the air still contains approximately 20. Notes from higher grounds: an altitude training guide for endurance Altitude training is the practice by some endurance athletes of training for several weeks at high altitude, preferably over 2,400 metres (8,000 ft) above sea level, though more commonly at intermediate altitudes due to the shortage of suitable high-altitude locations 1f94f39d7d

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