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Abstract

There are many different cells inside our brain, such as astrocytes, neurons, ependimiary cells, microglia and oligodendroglia. The role of neurons has been studied by decades because of its important interventions in cell communication in the nervous system. However other brain cells, glial cells, have been poorly studied compared to neurons. Astrocytes are more abundant than neurons in brain and in fact, they are more and more glial cells when we advanced in the phylogeny compared to neuron number. Einstein's brain has three times more astrocytes than normal EUDLQ 6R PDQ\ VFLHQWLVWV DUH WKLQNLQJ DERXW WKH LPSRUWDQW UROH RI D\ nutrition, cleaner brain cells, etc. Which roles of astrocytes are inside our brain and they have important works in neurogeneration, neurodegeneration and illness?

Introduction

we need to clean our brain with minimum six hours. Astrocytes need best to understand astrocytes roles, at last. lot of energy to do it, so disconnect neurons and clean brain of rubbish elements [10], So who control who, astrocytes control neurons and ference they do not permit activation during sleeping situation. Furthermore,1. Trushina E, McMurray CT (2007) Oxidative stress and mitochondrial astrocytes control neurons in the quimio-sensible brain area, producing dysfunctionin neurodegenerative diseases. Neuroscience 145: 1233-1248. in ux of calcium to adjacent neurons and provoking more in ux of 2. Valles SL, Borras C, Furriol J, Raga A, Sastre J, et al. (2008) Oestradiol or fresh air inside our alveolus to introduce more oxygen in our body and genistein rescues neurons from amyloid beta-induced cell death by inhibiting to clean carbonic hydroxide from our blood. De cient mitochondrial respiratory chain function may have catastrophic consequences for the long-term health and survival of cells associated with dementia [8,11].

Recently Steve Goldman group from University of Rochester, EEU Corresponding author: Soraya L. Valles, Ph.D., Department of Physiology, has discovered that astrocytes can control neurons to produce logain, Tel: 34-96-3864646; Fax: 34-96-3864642; E-mail: lilian.valles@uv.es term potentiation, controlling memoryastrocytes [12]. Furthermore, in 2012 was published than astrocytes will be the future of the brail of the brai

a few information about the role of astrocytes [13] and Valles et a Citation: Valles SL (2013) Glia, Next Research Brain Frontier. Biochem Physiol 2: pubhished an important paper about the control of Cancer by Central Nervous System via hormone production [14].

has been discovered recently. Our point of view has changed and now astrocytes and microglia play important roles in neurogenesis Oxidative Stress and in ammation are elevated inmany illness and neuro-degeneration brain. Problems with depression and with producing neurodegeneration and badly neurogenesis [1-3], but their political disorders are growing and the relationship with the political pathogenic signi cance remains unclear. Central nervous system hand crisis in the world are evident, so we need to be realist and look for its own resident immune system, glial cells, which can serve producing minish immunological action of genes and all research community supportive and nutritive roles inside brain. Also, glial cells are involved to replant all drugs to resolve neural illness. Glia will be in the in several in ammatory processes, defending central nervous systemext frontier of the brain study. We will look for its physiology and in front of pathogens [4-6]. Normal glial functions can sometimes siquiatric/psicology problems and at last to obtain the future of our result in a serious and chronic neuro-in ammatory cycle that actually healthy brain. Why research people only look for neuron works? promotes neurodegenerative diseases, constituent a viable target vony don't we investigate the role of astrocytes and glia in brain? the discovery or development of neurodegenerative diseases [7-9]. Away evolution invented an astrocyte a er neurons? Why astrocytes astrocytes perhaps act protecting neurons in the mixer culture from the di erentiation and in adult life have a newcytoesqueletal protein, toxic action and this point of view needs more research investigation FAP (glial brillaryacidic protein)? We need to investigate more and perhaps, by an increase in mitochondriogenesis. ey obtain a bettermore looking by good ideas and as Einstein said, "you cannot said processing of oxidative stress and an ecient in ammation control God exist or not exist, because anyone demonstrate it, only you can [Aguirre-Rueda et al., in peer revision]. e importance of glial cell-know the light do not exist because is only a perception of our brain, propagated in ammation disorders such as AD has been seen affly exist light photons traveling in the universe. So perhaps people a bystander e ect, or epiphenomenon, occurring when damager ave special receptors to note God presence and others do not have neurons develop an activation response by glial cells. Wyss Colleyscience many people have good ideas many of them from countries et al., demonstrated a phagocytosis process do it by astrocytes in the three world, etc., but remember, in the brain of poor people the Alzheimer's plaques [8] and also Valles et al., showed [3] anti-ontinuous evolution and Lucy was poor, pregnancy woman who start in ammatory e ects a er A -induction in astrocytes. Recently, authors evolution of the brain many, many, many years ago. People are thinking have discovered important astrocyte actions in the brain. We need out that; and now woman are at least in research, let's see the future sleep because astrocytes enter the body in sleeping situation, because of research brain, probably people with a lot of sensibility will be the

activation of p38. Aging Cell 7: 112-118.

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