

## Neuroimaging of Paleoneurobiology: Analysis of how Brain Evolves with Images

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### Image Article

To know, learn and understand how the healthy brain functions biologically and what occurs in brain disease; neurobiologists use many microscopy techniques, ranging from whole-brain human MRIs to imaging within one single brain cell for producing good images in the process.

Here are selections of the best and brightest Images (**Figure 1**).

This is an aspect view of a mouse embryo's mind. The axons of neurons which are in blue colour that launch dopamine, a neurotransmitter concerned in praise and pleasure, develop in the direction of their goal mind regions.

The below image shows the activity of a single neuron which are in green colour in the brain region the cortex, recorded after the surrounding neurons are activated with a flash of light (**Figure 2**).

The blue neuron, which look alike a manta ray atop a coral reef that denotes a protein along with a fluorescent marker. The surrounding cells which are in pink are formed from endoplasmic

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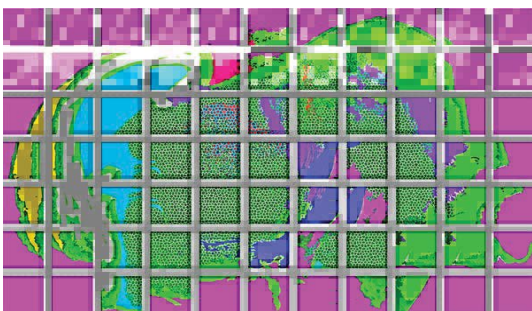
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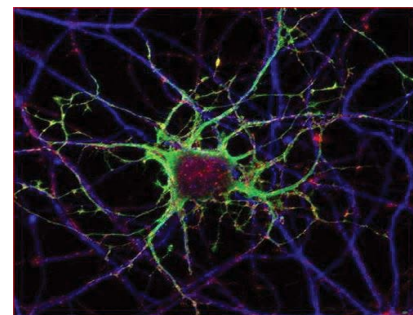
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reticulum, a structure of a is major thing for processing and transporting proteins (**Figure 3**).

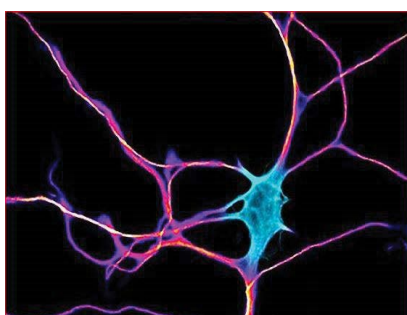
The below image shows the section of a mouse spinal cord shows a diversity of neuron types. The smaller neurons in pink are involved in pain and the large green neurons are involved in movement (**Figure 4**).



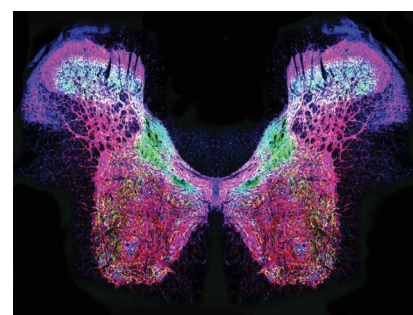
**Figure 1** Human MRIs to imaging within one single brain.



**Figure 2** The surrounding neurons are activated with a flash of light.



**Figure 3** The surrounding cells which are in pink are formed from endoplasmic reticulum.



**Figure 4** The section of a mouse spinal cord shows a diversity of neuron types.