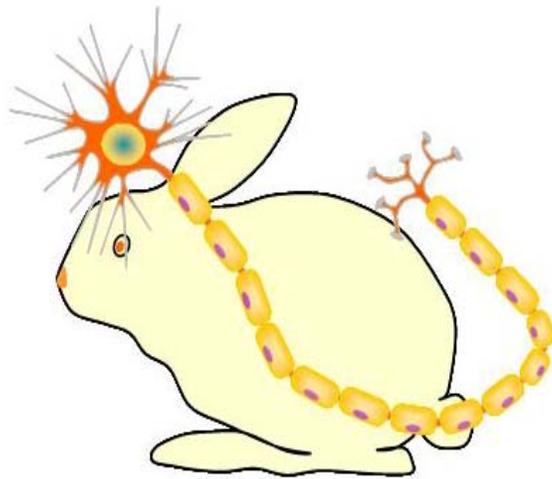


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- Batucan L. S. Jr., Belleza B. G. D., Rivero H. I., Nuneza O. M., 2016 Follicular hierarchy evaluation of pateros ducks (*Anas platyrhynchos domestica*) from semi free-range farms of Zamboanga del Sur and Misamis Occidental, Mindanao, Philippines. ABAH Bioflux 8(1):1-9.
- Jumah Y. U., Traifalgar R. F. M., Jumah D. S. U., Reyes L. R., Mero F. F. C., 2016 Feeding rate and sexes affect gonad growth of donkey ear abalone *Haliotis asinina* Linnaeus, 1758. ABAH Bioflux 8(1):10-14.
- Cighi V., 2016 Morpho-productive characterization of a Tsigai breed sheep stock. ABAH Bioflux 8(1):15-20.
- Rafeeq M., Rashid N., Tariq M. M., Tareen R. B., Shahzad I., Ullah A., Hilal B., Mustafa Z., 2016 Culinary and medicinal herbs as feed additives, effect on performance, serum biochemical parameters and microbial population of broiler chickens. ABAH Bioflux 8(1):21-28.
- Radkhah A., Nowferesti H., 2016 Studies on length-weight, length-length relationships and condition factor of *Capoeta aculeata* in Gamasiab river, Kermanshah province, Iran. ABAH Bioflux 8(1):29-33.
- Rostamian N., Eagderi S., Masoudi E., Asadian N., Salar H., 2016 Complete replacement of fish meal with poultry by-product in diet formulated for rainbow trout (*Oncorhynchus mykiss*). ABAH Bioflux 8(1):34-38.