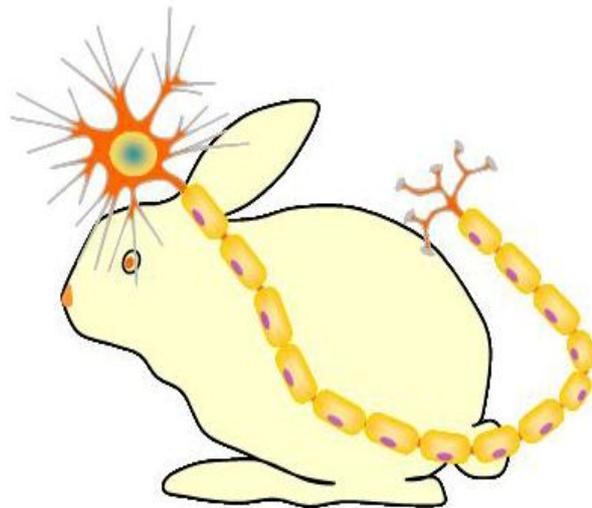


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Jaspe C. J., Caipang C. M. A., Elle B. J. G., 2011 Polyculture of white shrimp, *Litopenaeus vannamei* and milkfish, *Chanos chanos* as a strategy for efficient utilization of natural food production in ponds. ABAH Bioflux 3(2):96-104.

Suteu M., Vlaic A., Renaville R., 2011 Characterization of porcine  $\beta$ -casein G allele (CSN2G). ABAH Bioflux 3(2):105-109.

Cighi V., Oroian T., Pascalau S., Dronca D., Georgescu B., 2011 Relationship between genotype – technological environment and productive performances in Japanese quail (*Coturnix coturnix*). ABAH Bioflux 3(2):110-114.

Parsaeimehr A., Sargsyan E., Vardanyan A., 2011 Expression of secondary metabolites in plants and their useful perspective in animal health. ABAH Bioflux 3(2):115-124.

Zeng Y., 2011 *Oncorhynchus mykiss* (Walbaum, 1792) (Salmoniformes, Salmonidae), a newly introduced fish recorded in natural freshwaters of Jiuzhaigou Valley, Sichuan, China. ABAH Bioflux 3(2):125-128.

Coroian A., Miresan V., Coroian C. O., Raducu C., Matea C. T., Trif M., Odagiu A., Daraban S., 2011 Gas chromatographic quantification of fatty acids profile from administered forage to lactating buffaloes. ABAH Bioflux 3(2):129-134.

Coroian A., Coroian C. O., Matea C. T., Miresan V., Odagiu A., Raducu C., Daraban S., 2011 Characterization of some milk components, function of lactation, in buffaloes. ABAH Bioflux 3(2):135-140.