the neural circuitry that produces the behavior. Conversely, if neural networks Brain Plasticity and Behavior are changed by experience, there must be some corresponding change in the Bryan Kolb, Robbin Gibb, and Terry E. Robinson functions mediated by those networks. For the investigator interested in under

increases sensitizes, and the animal may remain sensitized for weeks, months, or even seven if drug treatment is discontinued.

Changes in behavior that occur as a consequence of past experience, and can persist for months or years, like memories, are thought to be due to changes

mation, can reverse age-related synaptic loss and thus ought to be considered as useful treatments for age-related cognitive loss.

Although much is now known about brain plasticity and behavior, many theoretical issues remain. Knowing that a wide variety of experiences and approximately of exper

