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PAVLOV INSTITUTE OF PHYSIOLOGY

S.V. ALBERTIN

**NEUROPHYSIOLOGICAL MECHANISMS  
OF GOAL - DIRECTED BEHAVIOR:  
FROM REACHING TO NAVIGATION**

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**Albertin S.V. Neurophysiological Mechanisms of Goal - Directed Behavior: From Reaching to Navigation.** – SPb.: Politehnika-Servis, – 184 p. (ISBN 978-5-00182-021-5)

The book presents the results of investigations directed to study the functions of the striatum in the organization of the eating behavior of animals of various degrees of complexity, carried out by the author in the Pavlov Institute of Physiology of the Russian Academy of Sciences, as well as in joint investigations performed in a number of laboratories abroad.

A monograph describes the role of various structures of the cortical-strio-thalamo-cortical system of the brain in the organization of adaptive purposeful behavior of animals under changing procedural conditions associated with the delay of expected reinforcement, the need to develop local instrumental skills for food obtaining, to wait the food in response to signaled sensory stimulus, and the subsequent transition to the tactics of searching for food using by animals the external navigational landmarks indicating the location of food in the surrounding animal space. The book may be of interest for biologists, neurophysiologists and experimental psychologists.

References: 310. Figures: 45. Tables: 3.

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