

1. Record Nr.	UNINA9910855398503321
Titolo	Habits : Their Definition, Neurobiology, and Role in Addiction // edited by Youna Vandaele
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
ISBN	9783031558894
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (368 pages)
Disciplina	158.1
Soggetti	Neurosciences Cognitive neuroscience Psychobiology Human behavior Psychiatry Neuroscience Cognitive Neuroscience Behavioral Neuroscience
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Section I: Definitions, operationalization and investigation of habits -- Defining and Measuring Habits Across Different Fields of Research -- Outcome devaluation as a means for distinguishing habits from goal-directed actions -- Situating habit and goal direction in a general view of instrumental behavior -- The rate-correlation theory of goal-directed behavior: an update -- Multi-plasticities: Distinguishing context-specific habits from complex perseverations -- Section II: The neurobiology of habit -- Navigation through the complex world -- the neurophysiology of decision-making processes -- Alternative Approaches to Understanding Habit Learning in the Dorsolateral Striatum -- Prefrontal control of actions and habits -- The Role of Dopamine in Training Automaticity -- Historical and Modern Perspectives on the Neuroscience of Habits -- Section III: The place of habit in addiction -- Goal-directed and habitual control in human drug addiction -- The role of implicit associations in alcohol and substance

use disorders -- Impulsivity and compulsivity in Bayesian reinforcement learning models of addiction: a computational critique of the habit theory -- Interaction between habitual and goal-directed processes in addiction.

Sommario/riassunto

This book explores the multiple facets of habit from diverse and complementary theoretical frameworks. It provides a complete overview of the cognitive, computational, and neural processes underlying the formation of distinct forms of habit. The objective of the book is to cover (1) the multiple definitions of the habit construct and the relation between different habit-related concepts, (2) the underlying brain circuits of habits, and (3) the possible involvement of habits in psychiatric disorders such as alcohol and substance use disorder. This book will be of interest to all researchers in behavioral and computational neuroscience, psychology, and psychiatry who are interested in associative learning and decision making, under normal and pathological conditions.
