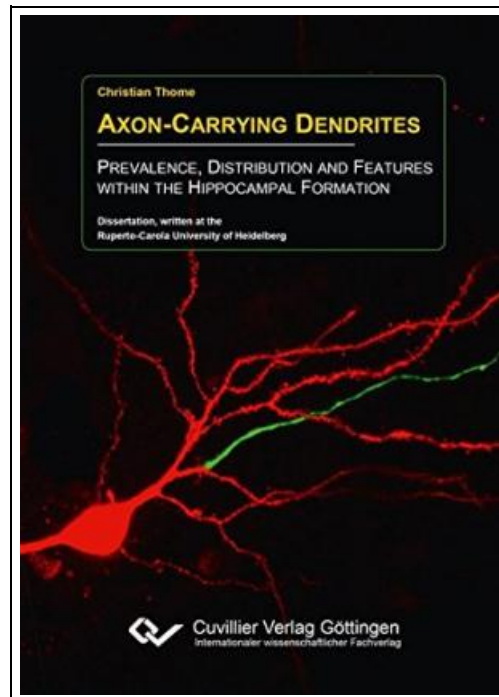


Axon-Carrying Dendrites



Filesize: 5.5 MB

Reviews

Very useful for all group of people. It is amongst the most incredible pdf i actually have read through. Its been written in an extremely straightforward way and it is just right after i finished reading through this pdf by which basically modified me, change the way i think.
(Felicia Nikolaus)

AXON-CARRYING DENDRITES



To get **Axon-Carrying Dendrites** eBook, make sure you access the button beneath and save the file or gain access to other information which are related to AXON-CARRYING DENDRITES book.

Cuvillier Verlag Sep 2017, 2017. Taschenbuch. Condition: Neu. Neuware - The ability to remember old events poses one of the most remarkable talents of the human brain. The hippocampus, a part of the limbic system, is suspected to play a key role in the transformation of new experiences into long term memory. Its neurons possess two specialized extensions to process information in a directed manner. Their widely ramified dendrites receive input from other cells, whereas a single axon transmits output to subsequent cells of the network. Dendrites and axon arise usually directly from the somatic compartment. However, we could show that in a large fraction of hippocampal neurons, the axon derives from one of the dendrites. This study focusses on the characterization of this particular anatomy and its influence on neuronal signal processing. Using complementary techniques such as immunohistochemistry, electrophysiology and computer simulations we demonstrated that these axon-carrying dendrites constitute a privileged channel for excitatory synaptic input. This mechanism enables new ways to process information within the hippocampal structure and extends our knowledge about the biophysical foundations underlying memory formation. Eine der bedeutsamsten Leistungen unseres Gehirns besteht in der Fähigkeit, sich an vielfältige Ereignisse zu erinnern, Informationen zu verknüpfen und aus Vergangenem zu lernen. Das Areal des Hippocampus gilt dabei als Schlüsselregion für den Transfer von neuen Erinnerungen ins Langzeitgedächtnis. Dortige Nervenzellen besitzen zwei spezialisierte Typen von Fortsätzen, welche eine gerichtete Informationsverarbeitung gewährleisten. Baumartig verzweigte Dendriten empfangen Eingangssignale, während ein einzelnes Axon das Ausgangssignal erzeugt und an nachgeschaltete Zellen weiterleitet. Beide Strukturen entspringen in der Regel direkt am Zellkörper. Wir konnten jedoch bei einer großen Anzahl von hippocampalen Zellen den Axon-Ursprung am Dendritenbaum nachweisen. Diese Studie widmet sich der Charakterisierung dieses anatomischen Phänomens und untersucht dessen Einfluss auf die zelluläre Signalverarbeitung. Mittels verschiedener neurowissenschaftlicher Techniken konnten wir nachweisen, dass axon-tragende...

-  [Read Axon-Carrying Dendrites Online](#)
-  [Download PDF Axon-Carrying Dendrites](#)
-  [Download ePUB Axon-Carrying Dendrites](#)

Other Books



[PDF] **Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)**

Click the hyperlink under to read "Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)" file.

[Read eBook](#)

»



[PDF] **Pickles To Pittsburgh: Cloudy with a Chance of Meatballs 2**

Click the hyperlink under to read "Pickles To Pittsburgh: Cloudy with a Chance of Meatballs 2" file.

[Read eBook](#)

»



[PDF] **Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities**

Click the hyperlink under to read "Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities" file.

[Read eBook](#)

»



[PDF] **Hope for Autism: 10 Practical Solutions to Everyday Challenges**

Click the hyperlink under to read "Hope for Autism: 10 Practical Solutions to Everyday Challenges" file.

[Read eBook](#)

»



[PDF] **Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success**

Click the hyperlink under to read "Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success" file.

[Read eBook](#)

»



[PDF] **Accused: My Fight for Truth, Justice and the Strength to Forgive**

Click the hyperlink under to read "Accused: My Fight for Truth, Justice and the Strength to Forgive" file.

[Read eBook](#)

»

**[PDF] Read Write Inc. Phonics: Purple Set 2 Storybook 8 Red Ken**

Click the hyperlink listed below to download "Read Write Inc. Phonics: Purple Set 2 Storybook 8 Red Ken" PDF document.

[Read Document](#)

»

**[PDF] Have You Locked the Castle Gate?**

Click the hyperlink listed below to download "Have You Locked the Castle Gate?" PDF document.

[Read Document](#)

»

**[PDF] Big Machines - Read it Yourself with Ladybird: Level 2**

Click the hyperlink listed below to download "Big Machines - Read it Yourself with Ladybird: Level 2" PDF document.

[Read Document](#)

»

**[PDF] The Lalaurie Horror**

Click the hyperlink listed below to download "The Lalaurie Horror" PDF document.

[Read Document](#)

»

**[PDF] Aeschylus**

Click the hyperlink listed below to download "Aeschylus" PDF document.

[Read Document](#)

»

**[PDF] Harts Desire Book 2.5 La Fleur de Love**

Click the hyperlink listed below to download "Harts Desire Book 2.5 La Fleur de Love" PDF document.

[Read Document](#)

»