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for researchers
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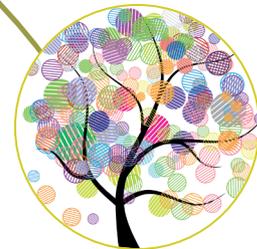
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frontiers in NEUROSCIENCE

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ORIGINAL RESEARCH ARTICLE

Front. Neurosci., 15 October 2007 | doi:10.3389/neuro.01.1.1.001.2007

A novel multiple objective optimization for constraining conductance-based models by experimental data

Shaul Druckmann^{1*}, Yoav Banitt², Markram³ and Idan Segev¹

¹ Interdisciplinary Center for Neural Computation, Institute of Life Sciences, Hebrew University of Jerusalem, Jerusalem, Israel; ² Brain Mind Institute, Ecole Polytechnique, Palaiseau, France; ³ Max Planck Institute for Brain Research, Bonn, Germany

nature International week

nature.com > Journal home > Table of Contents

News and Views

Nature 393, 207-208 (21 May 1998) | doi:10.1038/30340

Sound grounds for computing dendrites

Idan Segev¹

Dendrites are projections that typically originate from the cell body of neurons and are the main site for incoming synaptic inputs. Their function is largely unknown. But there is now clear-cut evidence that, in the auditory brain stem, dendrites enrich the response of neurons.

Neurobiology and the Center for Computational Neurobiology, Hebrew University of Jerusalem, Jerusalem, Israel

loop

Idan Segev

PhD
Jerusalem, Israel

Professor
The Hebrew University of Jerusalem, Israel

Overview Bio 231 Network 76 Publications

Brief Bio

Idan Segev is the David & Inez Myers Professor in Computational Neuroscience and former director of the Interdisciplinary Center for Neural Computation (ICNC) at the Hebrew University of Jerusalem, where he received his B.Sc. (1973) in Mathematics and Ph.D. (1982) in Experimental and Theoretical Neurobiology. He pursued his postdoctoral studies with Wilfrid Rall and Robert Burke (1982).

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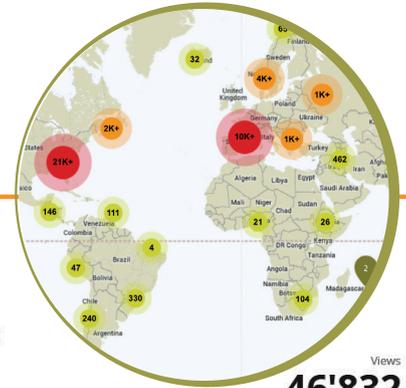
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Idan Segev

PhD
Jerusalem, Israel

Professor
The Hebrew University of Jerusalem, Israel



Views
46'832

Overview

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76 Publications

Brain and Art

Idan Segev, Luis M Martinez, Robert J Zatorre

Front. Hum. Neurosci.

Published on 27 Jun 2014

1764 views

The unimodal distribution of sub-threshold, ongoing activity in cortical networks

Anat Yaron-Jakobovitch, Yosef Yaron, Idan Segev, Christof Koch

Front. Neural Circuits

Published on 11 Jul 2013

1483 views

The Role of Dendritic Inhibition in Shaping the Plasticity of Excitatory Synapses

19 Co-Authors



Yosef Yaron

Hebrew University
Jerusalem, Israel

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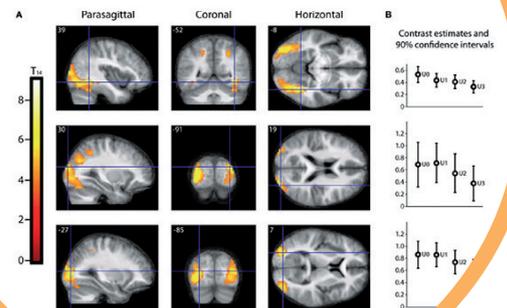
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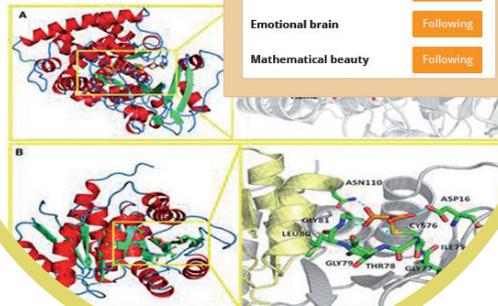
Semir Zeki, John Paul Romaya, Dionigi M.T. Benincasa and Michael F Atiyah



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The experience of mathematical beauty and its neural correlates

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