

Wissenschaftskommunikation

Open Access Article

$\alpha_2\delta$ -4 and Cachd1 Proteins Are Regulators of Presynaptic Functions

by  Cornelia Ablinger¹ ,  Clarissa Eibl² ,  Stefanie M. Geisler³ ,  Marta Campiglio¹  Gary J. Stephens⁴ ,  Markus Missler⁵  and  Gerald J. Obermair^{1,2,*} 

¹ Institute of Physiology, Medical University Innsbruck, 6020 Innsbruck, Austria

² Division Physiology, Department of Pharmacology, Physiology and Microbiology, Karl Landsteiner University of Health Sciences, 3500 Krems, Austria

³ Department Pharmacology and Toxicology, University of Innsbruck, 6020 Innsbruck, Austria

⁴ Reading School of Pharmacy, University of Reading, Reading RG6 6UB, UK

⁵ Institute of Anatomy and Molecular Neurobiology, Westfälische Wilhelms-University, 48149 Münster, Germany

* Author to whom correspondence should be addressed.

Academic Editor: Elek Molnár

Int. J. Mol. Sci. **2022**, *23*(17), 9885; <https://doi.org/10.3390/ijms23179885>

Received: 7 July 2022 / Revised: 15 August 2022 / Accepted: 24 August 2022 / Published: 31 August 2022

(This article belongs to the Special Issue Calcium Handling 2.0)

ABLINGER, C., EIBL, C., GEISLER, S. M.,
CAMPIGLIO, M., STEPHENS, G. J.,
MISSLER, M. & OBERMAIR, G. J. 2022.
 $\alpha_2\delta$ -4 and Cachd1 Proteins Are
Regulators of Presynaptic Functions.
*International Journal of Molecular
Sciences*, 23.

Auswahl Berichterstattung

Answers in minutes and microns
 Nicolet RaptIR FTIR Microscope
[Learn more](#)

Many proteins share important roles in the formation and function of synapses, study finds
[Download PDF Copy](#)

Reviewed by Danielle Ellis, B.Sc. Oct 26 2022

Drug Discovery eBook
 Compilation of the top interviews, articles, and news in the last year.
[Download your free copy](#)

Latest News

Discovery of redundant protein functions raises questions about the evolution of the nervous system
on October 25, 2022 at 2:36 pm
 Five proteins share important roles in the formation and function of synapses and can substitute for each other. This discovery was made by a team of the Karl Landsteiner University of Health Sciences Krems (KL Krems) and the CavX Ph.D. program of the Medical University of Innsbruck, and their work is now published in the International Journal of Molecular Sciences.

25/10/2022, 19:13 Discovery of redundant protein functions raises questions about the evolution of the nervous system

Discovery of redundant protein functions raises questions about the evolution of the nervous system

PHYSorg
 By NULL
 Oct 25, 2022, 2:36 pm
 ★ 20 pts

Tuesday, October 25, 2022 About Us Contact Us Privacy Policy Cookie Policy Terms Of Use Disclaimer DMCA

Samachar Central

Home > Science >

Discovery of redundant protein functions raises questions about the evolution of the nervous system

Auswahl Berichterstattung

25/10/2022, 19:11

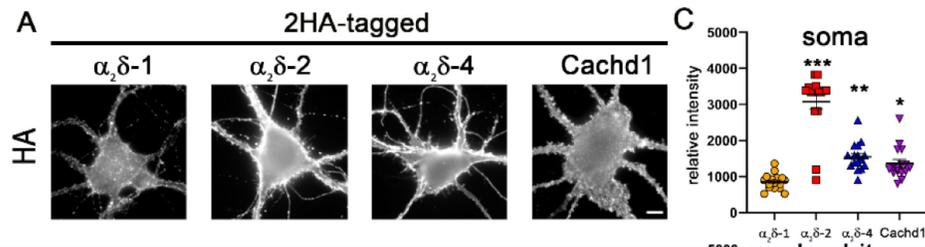
Discovery of redundant protein capabilities raises questions in regards to the evolution of the nervous system - GNF Learning

Home > Evolution > Discovery of redundant protein capabilities raises questions in regards to the evolution...

Evolution

Discovery of redundant protein capabilities raises questions in regards to the evolution of the nervous system

By admin October 25, 2022



PHYS.ORG

Home / Biology / Evolution
Home / Biology / Molecular & Computational biology

OCTOBER 25, 2022

Discovery of redundant protein functions raises questions about the evolution of the nervous system

by Karl Landsteiner University of Health Sciences

Ophthalmologische Nachrichten

Fachbereiche ▾ Veranstaltungen ▾ Mediadaten ▾

Rätsel um Evolution des Nervensystems: Viele Proteine mit gleichen Funktionen

PHARMABIZ.com

india's most comprehensive pharma portal

Research

+ Font
- Resize

KL Krems researchers find a high redundancy in proteins that modulate neuronal networks and neuronal signal transmission

Krems, Austria

Wednesday, October 26, 2022, 17:00 Hrs [IST]

Sie möchten Ihre Forschungsergebnisse optimal promoten?

Bitte wenden Sie sich an:

- die Abteilung Kommunikation, PR & Marketing presse@kl.ac.at und/oder
- die Stabstelle Forschung forschung@kl.ac.at

der Karl Landsteiner Privatuniversität für Gesundheitswissenschaften

Bitte um zeitgerechte Information über Ihre Forschungsarbeit an die Abteilung Kommunikation, PR & Marketing und/oder an die Stabstelle Forschung, im Idealfall bei Annahme Ihrer Publikation durch den Verlag.

Insbesondere von Interesse für die Wissenschaftskommunikation sind hochrangige Forschungsarbeiten (Q1 Journal) sowie Forschungsergebnisse, die für eine breite Öffentlichkeit relevant sind Publikation in einem Q1 Journal