

Plinio Casarotto
forskardoktor
Centrum för neurovetenskap
Postadress:
PL 63 (Haartmaninkatu 8)
00014
Finland
E-post: plinio.casarotto@helsinki.fi
Mobil: +358504482182
Telefon: +358294125417

Anställning

forskardoktor
Centrum för neurovetenskap
Helsingfors universitet
Finland
1 maj 2014 → present

Forskningsoutput

Pharmacologically diverse antidepressants facilitate TRKB receptor activation by disrupting its interaction with the endocytic adaptor complex AP-2

Fred, S. M., Laukkanen, L., Brunello, C. A., Vesa, L., Göös, H., Cardon, I., Moliner, R., Maritzen, T., Varjosalo, M., Casarotto, P. C. & Castren, E., 29 nov 2019, I : Journal of Biological Chemistry. 294, 48, s. 18150-18161 12 s.

Reduced P2X receptor levels are associated with antidepressant effect in the learned helplessness model

Ribeiro, D. E., Casarotto, P. C., Staquini, L., Pinto e Silva, M. A., Biojone, C., Wegener, G. & Joca, S., 21 okt 2019, I : PeerJ. 7, 17 s., 7834.

Activation of the TRKB receptor mediates the panicolytic-like effect of the NOS inhibitor aminoguanidine

Ribeiro, D. E., Casarotto, P. C., Júnior, A. S., Fernandes, G. G., Pinheiro, L. C., Tanus- Santos, J. E., Zangrossi Jr, H., Silveira Guimarães, F., Lourenço Joca, S. R. & Biojone, C., 13 jul 2019, I : Progress in Neuro-Psychopharmacology & Biological Psychiatry. 93, s. 232-239 8 s.

Dual mechanism of TRKB activation by anandamide through CB1 and TRPV1 receptors

Diniz, C. R. A. F., Biojone, C., Joca, S. R. L., Rantamäki, T., Castren, E., Guimaraes, F. S. & Casarotto, P. C., 21 feb 2019, I : PeerJ. 7, 21 s., 6493.

TrkB-ICD Fragment, Originating From BDNF Receptor Cleavage, Is Translocated to Cell Nucleus and Phosphorylates Nuclear and Axonal Proteins

Fonseca-Gomes, J., Jerónimo-Santos, A., Lesnikova, A., Casarotto, P., Castrén, E., Sebastião, A. M. & Diógenes, M. J., 1 feb 2019, I : Frontiers in Molecular Neuroscience. 12, 8 s., 4.

Elastase-2 Knockout Mice Display Anxiogenic- and Antidepressant-Like Phenotype: Putative Role for BDNF Metabolism in Prefrontal Cortex

Diniz, C. R. A. F., Becari, C., Lesnikova, A., Biojone, C., Salgado, M. C. O., Salgado, H. C., Resstel, L. B. M., Guimaraes, F. S., Castren, E., Casarotto, P. C. & Joca, S. R. L., aug 2018, I : Molecular Neurobiology. 55, 8, s. 7062-7071 10 s.

Beyond good and evil: a putative continuum-sorting hypothesis for the functional role of proBDNF/BDNF-propeptide/mBDNF in antidepressant treatment

Diniz, C. R. A. F., Casarotto, P. C., Resstel, L. & Samia, R. L. J., jul 2018, I : Neuroscience & Biobehavioral Reviews. 90, s. 70-83 14 s.

Antidepressant-like effect of losartan involves TRKB transactivation from angiotensin receptor type 2 (AGTR2) and recruitment of FYN

Diniz, C. R. A. F., Casarotto, P. C., Fred, S. M., Biojone, C., Castrén, E. & Joca, S. R. L., jun 2018, I : Neuropharmacology. 135, s. 163-171 9 s.

Longitudinal two-photon imaging in somatosensory cortex of behaving mice reveals dendritic spine formation enhancement by subchronic administration of low-dose ketamine

Pryazhnikov, E., Mugantseva, E., Casarotto, P., Kolkova, J., Fred, S. M., Toptunov, D., Afzalov, R., Hotulainen, P., Voikar, V., Terry-Lorenzo, R., Engel, S., Kirov, S., Castren, E. & Khiroug, L., 24 apr 2018, I : Scientific Reports. 8, 12 s., 6464.

Inducible nitric oxide synthase (NOS2) knockout mice as a model of trichotillomania

Casarotto, P. C., Biojone, C., Montezuma, K., Cunha, F. Q., Joca, S. R. L., Castren, E. & Guimaraes, F. S., 17 apr 2018, I : PeerJ. 6, s. e4635 13 s., 4635.

Isoflurane produces antidepressant effects and induces TrkB signaling in rodents

Antila, H., Ryazantseva, M., Popova, D., Sipilä, P., Guirado, R., Kohtala, S., Yalcin, I., Lindholm, J., Vesa, L., Sato, V., Cordeira, J., Autio, H., Kislin, M., Rios, M., Joca, S., Casarotto, P., Khiroug, L., Lauri, S., Taira, T., Castren, E. & 1 andra, Rantamäki, T., 10 aug 2017, I : Scientific Reports. 7, 12 s., 7811.

Monoamine involvement in the antidepressant-like effect induced by P2 blockade

Diniz, C. R. A. F., Rodrigues, M., Casarotto, P. C., Pereira, V. S., Crestani, C. C. & Joca, S. R. L., 2017, I : Brain Research. 1676, s. 19-27 9 s.

NMDA-NO signaling in the dorsal and ventral hippocampus time-dependently modulates the behavioral responses to forced swimming stress

Diniz, C. R. A. F., Casarotto, P. & Joca, S. R. L., 1 jul 2016, I : Behavioural Brain Research. 307, s. 126-136 11 s.

BDNF-TRKB signaling system of the dorsal periaqueductal gray matter is implicated in the panicolytic-like effect of antidepressant drugs

Casarotto, P. C., dos Santos, P. C., Lucas, G. A., Biojone, C., Pobbe, R. L. H., Vilela-Costa, H. H., Joca, S. R. L., Guimaraes, F. S. & Zangrossi, H., jun 2015, I : European Neuropsychopharmacology. 25, 6, s. 913-922 10 s.

Cannabinoids and compulsive-obsessive disorder

Casarotto, P. C., Gomes, F. V. & Guimarães, F. S., 2015, *Cannabinoids in Neurologic and Mental Disease*. Fattore, L. (red.). Elsevier Scientific Publ. Co, s. 365-387 23 s.

Interplay Between Nitric Oxide and Brain-Derived Neurotrophic Factor in Neuronal Plasticity

Biojone, C., Casarotto, P. C., Joca, S. R. & Castren, E., 2015, I : CNS & Neurological Disorders. 14, 8, s. 979-987 9 s.

Cannabidiol reverses the mCPP-induced increase in marble-burying behavior

Nardo, M., Casarotto, P. C., Gomes, F. V. & Guimaraes, F. S., okt 2014, I : Fundamental & Clinical Pharmacology. 28, 5, s. 544-550 7 s.

Antidepressant- and anticomulsive-like effects of purinergic receptor blockade: Involvement of nitric oxide

Pereira, V. S., Casarotto, P. C., Hiroaki-Sato, V. A., Sartim, A. G., Guimaraes, F. S. & Joca, S. R. L., dec 2013, I : European Neuropsychopharmacology. 23, 12, s. 1769-1778 10 s.

The antimanic-like effect of phenytoin and carbamazepine on methylphenidate-induced hyperlocomotion: role of voltage-gated sodium channels

Tonelli, D. A. G., Pereira, M., Siba, I. P., Martynhak, B. J., Correia, D., Casarotto, P. C., Biojone, C., Guimaraes, F. S., Joca, S. L. R. & Andreatini, R., 2013, I : Fundamental & Clinical Pharmacology. 27, 6, s. 650-655 6 s.

BDNF-TrkB signaling is involved in the antidepressant-like effect induced by genetic deletion of iNOS

Joca, S., Biojone, C., Casarotto, P., Montezuma, K., Cunha, F. & Guimaraes, F., jun 2012, I : International Journal of Neuropsychopharmacology. 15, s. 44-45 2 s.

Fine-tuning of defensive behaviors in the dorsal periaqueductal gray by atypical neurotransmitters

Fogaca, M. V., Lisboa, S. F., Aguiar, D. C., Moreira, F. A., Gomes, F. V., Casarotto, P. C. & Guimaraes, F. S., apr 2012, I : Brazilian Journal of Medical and Biological Research. 45, 4, s. 357-365 9 s.

Intrahippocampal injection of brain-derived neurotrophic factor increases anxiety-related, but not panic-related defensive responses: involvement of serotonin

Casarotto, P. C., de Bortoli, V. C. & Zangrossi, H., feb 2012, I : Behavioural Pharmacology. 23, 1, s. 80-88 9 s.

Opposing Roles for Cannabinoid Receptor Type-1 (CB1) and Transient Receptor Potential Vanilloid Type-1 Channel (TRPV1) on the Modulation of Panic-Like Responses in Rats

Casarotto, P. C., Terzian, A. L. B., Aguiar, D. C., Zangrossi, H., Guimaraes, F. S., Wotjak, C. T. & Moreira, F. A., jan 2012, I : Neuropsychopharmacology. 37, 2, s. 478-486 9 s.

Antidepressant-like effects of DNA methylation inhibition in hippocampus: participation of brain derived neurotrophic factor

Biojone, C., Sales, A. J., Terceti, M. S., Casarotto, P. C., Guimaraes, F. S., Gomes, M. V. M. & Joca, S. R. L., sep 2011, I : European Neuropsychopharmacology. 21, s. S412-S412 1 s.

Participation of the NMDA-NO-sGC pathway of the ventral hippocampus in the modulation of depressive-like behaviour in rats

Diniz, C., Joca, S. & Casarotto, P., sep 2011, I : European Neuropsychopharmacology. 21, s. S403-S404 2 s.

Purinergic receptor blockade induces antidepressant- and anticomulsive-like effects

Casarotto, P. C., Pereira, V. S., Sato, V. A. H., Sartim, A. G., Guimaraes, F. S. & Joca, S. R. L., sep 2011, I : European Neuropsychopharmacology. 21, s. S255-S255 1 s.

Anti-aversive effects of the atypical antipsychotic, aripiprazole, in animal models of anxiety

Biojone, C., Casarotto, P. C., Resstel, L. B., Zangrossi, H., Guimaraes, F. S. & Moreira, F. A., jun 2011, I : Journal of Psychopharmacology. 25, 6, s. 801-807 7 s.

Facilitation of CB1 receptor-mediated neurotransmission decreases marble burying behavior in mice

Gomes, F. V., Casarotto, P. C., Resstel, L. B. M. & Guimaraes, F. S., 30 mar 2011, I : Progress in Neuro-Psychopharmacology & Biological Psychiatry. 35, 2, s. 434-438 5 s.

CB1 and TRPV1 receptors located in periaqueductal gray matter mediate opposite effects in panic-like responses in rats

Terzian, A. L., Casarotto, P., Aguiar, D. C., Zangrossi, H., Guimaraes, F. S., Wotjak, C. T. & Moreira, F. A., mar 2011, I : European Neuropsychopharmacology. 21, s. S37-S37 1 s.

Cannabidiol inhibitory effect on marble-burying behaviour: involvement of CB1 receptors

Casarotto, P. C., Gomes, F. V., Resstel, L. B. M. & Guimaraes, F. S., jul 2010, I : Behavioural Pharmacology. 21, 4, s. 353-358 6 s.

Panicolytic-like effect of BDNF in the rat dorsal periaqueductal grey matter: the role of 5-HT and GABA

Casarotto, P. C., de Bortoli, V. C., de Aguiar Correa, F. M., Moraes Resstel, L. B. & Zangrossi, H., jun 2010, I : International Journal of Neuropsychopharmacology. 13, 5, s. 573-582 10 s.

BDNF injection in the rat dorsal hippocampus causes anxiogenic-like effect through the facilitation of 5-HT_{1A}-mediated neurotransmission

Zangrossi, H., Casarotto, P. & de Bortoli, V., 2010, I : International Journal of Neuropsychopharmacology. 13, s. 119-120 2 s.

Effects of imipramine repeated treatment on BDNF levels in the dorsal periaqueductal gray matter and hippocampus

Casarotto, P. C., Joca, S. R. L., Guimaraes, F. S. & Zangrossi, H. J., aug 2008, I : European Neuropsychopharmacology. 18, s. S487-S488 2 s.

Repeated paroxetine treatment reverses anhedonia induced in rats by chronic mild stress or dexamethasone

Casarotto, P. C. & Andreatini, R., nov 2007, I : European Neuropsychopharmacology. 17, 11, s. 735-742 8 s.

Dexamethasone-induced anhedonia: antidepressant reversion, hippocampal BDNF level, and role of glucocorticoids receptors

Andreatini, R., Casarotto, P. C. & Zanata, S. M., okt 2007, I : European Neuropsychopharmacology. 17, s. S362-S362 1 s.

Aktiviteter

Aarhus University

Plinio Casarotto (Besökande forskare)

31 aug 2015 → 7 sep 2015

School of Pharmaceutical Sciences. University of Sao Paulo

Plinio Casarotto (Besökande forskare)

1 sep 2014 → 15 okt 2014