

Dr Christos Gkogkas

Publications

2013

Cao R., Robinson B., Xu H, **Gkogkas C. G.**, Khoutorsky A., Alain T., Yanagiya A., Nevarko T., Liu A. C., Amir S. and Sonenberg N. (2013) Translational control of mammalian circadian synchrony by 4E-BP1, **Neuron** 21;79(4):712-24.

Khoutorsky A., **Gkogkas C. G.**, Yanagiya A., Fabian M., Gamache K, Bouthiette F, Sorge RE, Prager-Khoutorsky M, Mogil JS, Nader K, Lacaille JC and Sonenberg N. (2013) Translational control of synaptic plasticity and memory via a suppressor of Poly(A)-binding protein. **Neuron** 24;78(2):298-311

Ran I., **Gkogkas C. G.**, Vasuta C., Tartas M., Khoutorsky A., Laplante I., Parsyan A., Nevarko T., Sonenberg N., and Lacaille J. C. (2013) Selective regulation of GluA subunit synthesis and AMPA receptor-mediated synaptic function and plasticity by the translation repressor 4E-BP2 in hippocampal pyramidal cells, **Journal of Neuroscience** 30;33(5):1872-86

Gkogkas C. G., Khoutorsky A., Ran I., Rampakakis E., Nevarko T., Weatherill D. B., Vasuta C., Yee S., Truitt M., Dallaire P., Major F., Lasko P., Ruggero D., Nader K., Lacaille J. C., and Sonenberg N. (2013) Autism-related deficits via dysregulated eIF4E-dependent translational control, **Nature** 17;493(7432):371-7

2012

Chua, J. J., Schob, C., Rehbein, M., **Gkogkas, C. G.**, Richter, D., and Kindler, S. (2012) Synthesis of two SAPAP3 isoforms from a single mRNA is mediated via alternative translational initiation, **Sci Rep** 2, 484.

Chua, J. J., Schob, C., Rehbein, M., **Gkogkas, C. G.**, Richter, D., and Kindler, S. (2012) Synthesis of two SAPAP3 isoforms from a single mRNA is mediated via alternative translational initiation, **Sci Rep** 2, 484.

2011

Gkogkas, C., Wardrope, C., Hannah, M., and Skehel, P. (2011) The ALS8-associated mutant VAPB (P56S) is resistant to proteolysis in neurons, **Journal of neurochemistry** 117, 286-294.

2010

Bidinosti, M., Ran, I., Sanchez-Carbente, M. R., Martineau, Y., Gingras, A. C., **Gkogkas, C.**, Raught, B., Bramham, C. R., Sossin, W. S., Costa-Mattioli, M., DesGroseillers, L., Lacaille, J. C., and Sonenberg, N. (2010) Postnatal deamidation of 4E-BP2 in brain enhances its association with raptor and alters kinetics of excitatory synaptic transmission, **Molecular cell** 37, 797-808.

2008

Gkogkas, C., Middleton, S., Kremer, A. M., Wardrope, C., Hannah, M., Gillingwater, T. H., and Skehel, P. (2008) VAPB interacts with and modulates the activity of ATF6, **Human molecular genetics** 17, 1517-1526.

2003

Gkogkas, C. G., Vernikos, G. S., Promponas, V. J., and Hamodrakas, S. J. (2003) GeneViTo: visualizing gene-product functional and structural features in genomic datasets, **BMC Bioinformatics** 4, 53.

Reviews:

Parsyan, A., Svitkin, Y., Shahbazian, D., **Gkogkas, C.**, Lasko, P., Merrick, W. C., and Sonenberg, N. (2011) mRNA helicases: the tacticians of translational control, *Nature reviews. Molecular cell biology* 12, 235-245.

Gkogkas, C., Sonenberg, N., and Costa-Mattioli, M. (2010) Translational control mechanisms in long-lasting synaptic plasticity and memory, *The Journal of biological chemistry* 285, 31913-31917.

Rampakakis, E., **Gkogkas, C.**, Di Paola, D., and Zannis-Hadjopoulos, M. (2010) Replication initiation and DNA topology: The twisted life of the origin, *Journal of cellular biochemistry* 110, 35-43.

Book chapters:

Gkogkas C. G. and Sonenberg N. Translational Control in Autism Spectrum Disorders and Fragile X syndrome in *Frontiers in Autism Research, Diagnosis, and Treatment World Scientific*, 2014 (in press)

Khoutorsky A., Gkogkas C. and Sonenberg N. Translational Control of Synaptic Plasticity and Memory in *Biophysical approaches to translational control of gene expression Springer* Volume 1, 2013, DOI: 10.1007/978-1-4614-3991-

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