

Publications

ORIGINAL PUBLICATIONS:

Chmielarz P., Konovalova J., Najam S.S., Alter H., Piepponen T.P., Erfle H., Sonntag K.C., Schütz G., Vinnikov I.A.*✉, Domanskyi A. (2017). [Dicer and microRNAs protect adult dopamine neurons](#). Cell Death and Disease 8(5): e2813. *, equally contributed senior author



Domanskyi A., Alter H., Vogt M.A., Gass P., and Vinnikov I.A.✉ (2014) [Transcription factors Foxa1 and Foxa2 are required for adult dopamine neurons maintenance](#), Front Cell Neurosci 8



Vinnikov I.A.✉, Hajdukiewicz K., Reymann J., Beneke J., Czajkowski R., Roth L.C., Novak M., Roller A., Dörner N., Starkuviene V., Theis F.J., Erfle H., Schütz G., Grinevich V., and Konopka W. (2014) [Hypothalamic miR-103 Protects from Hyperphagic Obesity in Mice](#), The Journal of Neuroscience 34, 10659-10674.



Wang H., Vinnikov I., Shahzad K., Bock F., Ranjan S., Wolter J., Kashif M., Oh J., Bierhaus A., Nawroth P., Kirschfink M., Conway E.M., Madhusudhan T., and Isermann B. (2012) [The lectin-like domain of thrombomodulin ameliorates diabetic glomerulopathy via complement inhibition](#), Thromb Haemost 108, 1141-1153



Wang H., Madhusudhan T., He T., Hummel B., Schmidt S., Vinnikov I.A., Shahzad K., Kashif M., Muller-Krebs S., Schwenger V., Bierhaus A., Rudofsky G., Nawroth P.P., and Isermann B. (2011) [Low but sustained coagulation activation ameliorates glucose-induced podocyte apoptosis: protective effect of factor V Leiden in diabetic nephropathy](#), Blood 117, 5231-5242



Kashif M., Hellwig A., Kolleker A., Shahzad K., Wang H., Lang S., Wolter J., Thati M., [Vinnikov I.](#), Bierhaus A., Nawroth P.P., and Isermann B. (2011) [p45NF-E2 represses Gcm1 in trophoblast cells to regulate syncytium formation, placental vascularization and embryonic growth](#), Development 138, 2235-2247



Domanskyi A., Geissler C., [Vinnikov I.A.](#), Alter H., Schober A., Vogt M.A., Gass P., Parlato R., and Schuetz G. (2011) [Pten ablation in adult dopaminergic neurons is neuroprotective in Parkinson's disease models](#), Faseb Journal 25, 2898-2910



Seehaus S., Shahzad K., Kashif M., [Vinnikov I.A.](#), Schiller M., Wang H., Madhusudhan T., Eckstein V., Bierhaus A., Bea F., Blessing E., Weiler H., Frommhold D., Nawroth P.P., and Isermann B. (2009) [Hypercoagulability Inhibits Monocyte Transendothelial Migration Through Protease-Activated Receptor-1-, Phospholipase-C beta-, Phosphoinositide 3-Kinase-, and Nitric Oxide-Dependent Signaling in Monocytes and Promotes Plaque Stability](#), Circulation 120, 774-U141



Isermann B., [Vinnikov I.A.](#)*, Madhusudhan T., Herzog S., Kashif M., Blautzik J., Corat M.A.F., Zeier M., Blessing E., Oh J., Gerlitz B., Berg D.T., Grinnell B.W., Chavakis T., Esmon C.T., Weiler H., Bierhaus A., and Nawroth P.P. (2007) [Activated protein C protects against diabetic nephropathy by inhibiting endothelial and podocyte apoptosis](#), Nature Medicine 13, 1349-1358. *, **equally contributed first author**



previewed in: Brownlee M. (2007) [Preventing kidney cell suicide](#), Nature Medicine 13, 1284-1285.

highlighted in: Gilbert R.E., and Marsden P.A. (2008) [Activated Protein C and Diabetic Nephropathy](#), New England Journal of Medicine 358, 1628-1630.

Zakharova M.Y., Kozyr A.V., Ignatova A.N., [Vinnikov I.A.](#), Shemiyakin I.G., and Kolesnikov A.V. (2005) [Purification of filamentous bacteriophage for phage display using size-exclusion chromatography](#), Biotechniques 38, 194-198



BOOK CHAPTERS AND REVIEWS:

Lai Q., Murgia N., Parkkinen I., Domanskyi A. and [Vinnikov I.A.](#) (2019) [Chapter 8 - Roles of microRNAs in Parkinson's and other neurodegenerative diseases. In B. Mallick \(Ed.\), AGO-Driven Non-Coding RNAs](#), (pp. 209-232): Academic Press.

Najam S.S., Zglinicki B., [Vinnikov I.A.](#) (2018) [MicroRNAs in the hypothalamic control of energy homeostasis](#), Cell Tissue Research 375(1), 173-177. *** , equally contributed senior author.**

Domanskyi A., [Vinnikov I.A.](#) (2017) [Can we treat neurodegenerative diseases by preventing an age-related decline in microRNA expression?](#), Neural Regeneration Research 12(10), 1602-1604.



[Vinnikov I.A.](#), Domanskyi A., and Konopka W.: [Continuous Delivery of Oligonucleotides into the Brain](#). In: physiology, **Humana Press**, 2016: 9.

Grinevich V., Knobloch S., Roth L.C., Althammer F., Domansky A., [Vinnikov I.](#), Eliava M., Stanifer M., Boulant S.: [Somatic transgenesis \(Viral vectors\)](#). In: Murphy D. and Gainer H., eds. Master Classes in Molecular Neuroendocrinology: From genome to physiology. West Sussex, England: **John Wiley & Sons**, 2016: 243-274.

[Vinnikov I.A.](#), Nawroth P.P., Isermann B.: Thrombomodulin-Protein-C-System, Protein Z. In: Pötzsch B., Madlener K., eds. Hämostaseologie (Haemostaseology). Berlin, Germany: **Springer-Verlag**, 2010: 245-258.

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