

Liste de publications de Véronique Kruys

Liste établie en fonction du [Guide du proposant FNRS Année 2024](#)

2. Chapitres d'ouvrages ou participation à un ouvrage collectif, en tant qu'auteur ou co-auteur de la partie

1. Pierandrei-Amaldi, P., Cardinali, B., Prats, A. C., Prats, H., Osborne, B., Paillard, L., Huez, G., **Kruys, V.**, & Toulmé, J. J. (1999). Cell Engineering. In P. Pierandrei-Amaldi, B. Cardinali, A. C. Prats, H. Prats, B. Osborne, L. Paillard, G. Huez, **V. Kruys**, & J. J. Toulmé (Eds.), *Understanding the translation regulatory mechanisms to improve the efficiency and the specificity of protein production by the cell factory*. Kluwer Academic Publishers.
2. Beutler, B., Han, J., **Kruys, V.**, & Giroir, B. (1992). Tumor Necrosis Factor: The molecules and Their Emerging Role in Medicine. In B. Beutler, J. Han, **V. Kruys**, & B. Giroir (Eds.), *Coordinate regulation of TNF biosynthesis at the levels of transcription and translation: Patterns of TNF expression in vivo., Tumor Necrosis Factors*. USA: Bruce Beutler.

3. Articles publiés dans des journaux à comité de lecture

1. Wolff, P., Labar, G., Lechner, A., Van Elder, D., Soin, R., Gueydan, C., **Kruys, V.**, Droogmans, L., & Roovers, M. (2023). The Bacillus subtilis ywbD gene encodes RlmQ, the 23S rRNA methyltransferase forming m7G2574 in the A-site of the peptidyl transferase center. *RNA*. doi:10.1261/rna.079853.123
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2. Liang, M., Hody, C., Yammine, V., Soin, R., Sun, Y., Lin, X., Tian, X., Meurs, R., Perdrau, C., Delacourt, N., Oumalis, M., Andris, F., Conrard, L., **Kruys, V.**, & Gueydan, C. (2023). eIF4EHP promotes Ldh mRNA translation in and fruit fly adaptation to hypoxia. *EMBO reports*, e56460. doi:10.15252/embr.202256460
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3. DeWulf, B., Minsart, L., Verdonk, F., **Kruys, V.**, Piagnerelli, M., Maze, M., & Saxena, S. (2023). High Mobility Group Box 1 (HMGB1): Potential Target in Sepsis-Associated Encephalopathy. *Cells*, 12(7), 1088. doi:10.3390/cells12071088
https://dipot.ulb.ac.be/dspace/bitstream/2013/357378/3/doi_341022.pdf
4. Saxena, S., Nuyens, V., Rodts, C., Jamar, K. E., Albert, A., Seidel, L., Cherkaoui-Malki, M., Boogaerts, J. G., Wulff, H., Maze, M., **Kruys, V.**, & Vamecq, J. (2023). Involvement of KCa3.1 channel activity in immediate perioperative cognitive and neuroinflammatory outcomes. *BMC anesthesiology*, 23(1), 80. doi:10.1186/s12871-023-02030-2
https://dipot.ulb.ac.be/dspace/bitstream/2013/357312/1/doi_340956.pdf
5. Roovers, M. L., Labar, G., Wolff, P., Feller, A., Van Elder, D., Soin, R., Gueydan, C., **Kruys, V.**, & Droogmans, L. (2022). The Bacillus subtilis open reading frame ysgA

encodes the SPOUT methyltransferase RImP forming 2'-O-methylguanosine at position 2553 in the A-loop of 23S rRNA. *RNA*, 28(9), 1185-1196. doi:10.1261/rna.079131.122

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6. Saxena, S., **Kruys, V.**, Jongh, R. D., Vamecq, J., & Maze, M. (2021). High#mobility group box#1 and its potential role in perioperative neurocognitive disorders. *Cells*, 10(10), 2582. doi:10.3390/cells10102582
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7. Saxena, S., **Kruys, V.**, Vamecq, J., & Maze, M. (2021). The Role of Microglia in Perioperative Neuroinflammation and Neurocognitive Disorders. *Frontiers in aging neuroscience*, 13. doi:10.3389/fnagi.2021.671499
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8. Assabban, A., Dubois-Vedrenne, I., Van Maele, L., Salcedo, R., Snyder, B. L., Zhou, L., Azouz, A., De Toeuf, B., Lapouge, G., La, C., Melchior, M., Nguyen, M., Thomas, S., Wu, S. F., Hu, W., **Kruys, V.**, Blanpain, C., Trinchieri, G., Gueydan, C., Blackshear, P. J., & Goriely, S. (2021). Tristetraprolin expression by keratinocytes protects against skin carcinogenesis. *JCI insight*, 6(5). doi:10.1172/jci.insight.140669
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9. Saxena, S., Rodts, C., Nuyens, V., Lazon, J., Sosnowski, V., Verdonk, F., Seidel, L., Albert, A., Boogaerts, J., **Kruys, V.**, Maze, M., & Vamecq, J. (2020). Preoperative sedentary behavior is neither a risk factor for perioperative neurocognitive disorders nor associated with an increase in peripheral inflammation, a prospective observational cohort study. *BMC anesthesiology*, 20(1), 284. doi:10.1186/s12871-020-01200-w
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10. La, C., De Toeuf, B., Bindels, L. B., Van Maele, L., Assabban, A., Melchior, M., Smout, J., Köhler, A., Nguyen, M., Thomas, S., Delacourt, N., Soin, R., Hu, W., Blackshear, P. J., **Kruys, V.**, Gueydan, C., Oldenhove, G., & Goriely, S. (2020). The RNA-binding protein tristetraprolin regulates RALDH2 expression by intestinal dendritic cells and controls local Treg homeostasis. *Mucosal Immunology*. doi:10.1038/s41385-020-0302-x
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11. Papegay, B., Nuyens, V., Albert, A., Cherkaoui-Malki, M., Andreoletti, P. A., Leo, O., **Kruys, V.**, Boogaerts, J., & Vamecq, J. (2020). Adenosine Diphosphate and the P2Y13 Receptor Are Involved in the Autophagic Protection of Ex Vivo Perfused Livers From Fasted Rats: Potential Benefit for Liver Graft Preservation. *Liver transplantation*. doi:10.1002/lt.25970
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12. Vamecq, J., Papegay, B., Nuyens, V., Boogaerts, J. G., Leo, O., & **Kruys, V.** (2020). Mitochondrial dysfunction, AMPK activation and peroxisomal metabolism: a coherent scenario for non-canonical 3-methylglutaconic acidurias. *Biochimie*, 168, 53-82. doi:10.1016/j.biochi.2019.10.004
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 16. de Toeuf, B., Soin, R., Nazih, A., Dragojevic, M., Jurenas, D., Delacourt, N., Vo Ngoc, L., Garcia-Pino, A., **Kruys, V.**, & Gueydan, C. (2018). ARE-mediated decay controls gene expression and cellular metabolism upon oxygen variations. *Scientific reports*, 8(1), 5211. doi:10.1038/s41598-018-23551-8
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