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Van Hoecke, L, Raes, L, Stremersch, S, Brans, T, Fraire, JC, Roelandt, R, Declercq, W, Vandenamee, P, Raemdonck, K, Braeckmans, K, Saelens, X.

## **Delivery of Mixed-Lineage Kinase Domain-Like Protein by Vapor Nanobubble Photoporation Induces Necroptotic-Like Cell Death in Tumor Cells**

**International Journal of Molecular Sciences** 20, E4254, 2019. (Epub 2019 Aug 30)



Nuhn, L, Van Hoecke, L, Deswarte, K, Schepens, B, Li, Y, Lambrecht, BN, De Koker, S, David, SA, Saelens, X, De Geest, BG.

## **Potent anti-viral vaccine adjuvant based on pH-degradable nanogels with covalently linked small molecule imidazoquinoline TLR7/8 agonist**

**Biomaterials** 178, 643-651, 2018. (Epub 2018 Mar 16)



Van Hoecke, L, Van Lint, S, Roose, K, Van Parys, A, Vandenamee, P, Grooten, J, Tavernier, J, De Koker, S, Saelens, X.

## **Treatment with mRNA coding for the necroptosis mediator MLKL induces antitumor immunity directed against neo-epitopes**

**Nat Commun** 9, 3417, 2018. (Epub 2018 Aug 24)



De Koker, S, Van Hoecke, L, De Beuckelaer, A, Roose, K, Deswarte, K, Willart, MA, Bogaert, P, Naessens, T, De Geest, BG, Saelens, X, Lambrecht, BN, Grooten, J.

## **Inflammatory monocytes regulate Th1 oriented immunity to CpG adjuvanted protein vaccines through production of IL-12**

**Sci Rep** 7, 5986, 2017. (Epub 2017 Jul 20)



Udhayakumar, VK, De Beuckelaer, A, McCaffrey, J, McCrudden, CM, Kirschman, JL, Vanover, D, Van Hoecke, L, Roose, K, Deswarte, K, De Geest, BG, Lienenklaus, S, Santangelo, PJ, Grooten, J, McCarthy, HO, De Koker, S.

## **Arginine-Rich Peptide-Based mRNA Nanocomplexes Efficiently Instigate Cytotoxic T Cell Immunity Dependent on the Amphipathic Organization of the Peptide**

**Adv Healthc Mater** 6, 13, 2017. (Epub 2017 Apr 24)



De Beuckelaer, A, Pollard, C, Van Lint, S, Roose, K, Van Hoecke, L, Naessens, T, Udhayakumar, VK, Smet, M, Sanders, N, Lienenklaus, S, Saelens, X, Weiss, S, Vanham, G, Grooten, J, De Koker, S.

## **Type I interferons interfere with the capacity of mRNA lipoplex vaccines to elicit cytolytic T cell responses**

**Mol Ther** 24, 2012-2020, 2016. (Epub 2016 Aug 10)



Lambricht, L, Vanvarenberg, K, De Beuckelaer, A, Van Hoecke, L, Grooten, J, Ucakar, B, Lipnik, P, Sanders, NN, Lienenklaus, S, Preat, V, Vandermeulen, G.

**Coadministration of a Plasmid Encoding HIV-1 Gag Enhances the Efficacy of Cancer DNA Vaccines**

**Mol Ther** 24, 1686-1696, 2016. (Epub 2016 Jul 19)



Naessens, T, Schepens, B, Smet, M, Pollard, C, Van Hoecke, L, De Beuckelaer, A, Willart, M, Lambrecht, B, De Koker, S, Saelens, X, Grooten, J.

**GM-CSF treatment prevents respiratory syncytial virus-induced pulmonary exacerbation responses in postallergic mice by stimulating alveolar macrophage maturation**

**J Allergy Clin Immunol** 137, 700-709, 2016. (Epub 2015 Nov 9)



Smet, M, Pollard, C, De Beuckelaer, A, Van Hoecke, L, Vander Beken, S, De Koker, S, Dulayymi, JR, Huygen, K, Verschoor, J, Baird, MS, Grooten, J.

**Mycobacterium tuberculosis-associated synthetic mycolates differentially exert immune stimulatory adjuvant activity**

**Eur J Immunol** 46, 2149-2154, 2016. (Epub 2016 Jun 28)



Smet, M, Van Hoecke, L, De Beuckelaer, A, Vander Beken, S, Naessens, T, Vergote, K, Willart, M, Lambrecht, BN, Gustafsson, JA, Steffensen, KR, Grooten, J.

**Cholesterol-sensing liver X receptors stimulate Th2-driven allergic eosinophilic asthma in mice**

**Immun Inflamm Dis** 4, 350-361, 2016. (Epub 2016 Aug 2)



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