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## Publications

### **Multi-OMICs landscape of SARS-CoV-2-induced host responses in human lung epithelial cells**

Pinto, S. M., Subbannayya, Y., Kim, H., Hagen, L., Gorna, M. W., Nieminen, A. I., BJORAS, M., Espevik, T., Kainov, D. & Kandasamy, R. K., 20 Jan 2023, In: *iScience*. 26, 1, 33 p., 105895.

### **Seven classes of antiviral agents**

lanevski, A., Ahmad, S., Anunnitipat, K., Oksenysh, V., Zusinaite, E., Tenson, T., BJORAS, M. & Kainov, D. E., Dec 2022, In: *Cellular and Molecular Life Sciences*. 79, 12, 9 p., 605.

### **Antiviral Immunoglobulins of Chicken Egg Yolk for Potential Prevention of SARS-CoV-2 Infection**

Ravlo, E., Evensen, L., Sanson, G., Hildonen, S., lanevski, A., Skjervold, P. O., Ji, P., Wang, W., Kaarbo, M., Kaynova, G. D., Kainov, D. E. & BJORAS, M., Oct 2022, In: *Viruses-Basel*. 14, 10, 10 p., 2121.

### **Novel Synergistic Anti-Enteroviral Drug Combinations**

lanevski, A., Zusinaite, E., Tenson, T., Oksenysh, V., Wang, W., Afset, J. E., BJORAS, M. & Kainov, D. E., Sep 2022, In: *Viruses-Basel*. 14, 9, 7 p., 1866.

### **DrugVirus.info 2.0: an integrative data portal for broad-spectrum antivirals (BSA) and BSA-containing drug combinations (BCCs)**

lanevski, A., Simonsen, R. M., Myhre, V., Tenson, T., Oksenysh, V., BJORAS, M. & Kainov, D. E., 5 Jul 2022, In: *Nucleic Acids Research*. 50, W1, p. W272-W275 4 p.

### **Mono- and combinational drug therapies for global viral pandemic preparedness**

lanevski, A., Yao, R., Simonsen, R. M., Myhre, V., Ravlo, E., Kaynova, G. D., Zusinaite, E., White, J. M., Polyak, S. J., Oksenysh, V., Windisch, M. P., Pan, Q., Lastauskiene, E., Vitkauskienė, A., Matukevicius, A., Tenson, T., BJORAS, M. & Kainov, D. E., 15 Apr 2022, In: *iScience*. 25, 4, 18 p., 104112.

### **Synergistic Interferon-Alpha-Based Combinations for Treatment of SARS-CoV-2 and Other Viral Infections**

lanevski, A., Yao, R., Zusinaite, E., Lello, L. S., Wang, S., Jo, E., Yang, J., Ravlo, E., Wang, W., Lysvand, H., Loseth, K., Oksenysh, V., Tenson, T., Windisch, M. P., Poranen, M. M., Nieminen, A. I., Nordbo, S. A., Fenstad, M. H., Grodeland, G., Aukrust, P., & 8 othersTroseid, M., Kantele, A., Lastauskiene, E., Vitkauskienė, A., Legrand, N., Merits, A., BJORAS, M. & Kainov, D. E., Dec 2021, In: *Viruses (Basel)*. 13, 12, 18 p., 2489.

### **Nafamostat-Interferon-alpha Combination Suppresses SARS-CoV-2 Infection In Vitro and In Vivo by Cooperatively Targeting Host TMPRSS2**

lanevski, A., Yao, R., Lysvand, H., Grodeland, G., Legrand, N., Oksenysh, V., Zusinaite, E., Tenson, T., BJORAS, M. & Kainov, D. E., Sep 2021, In: *Viruses (Basel)*. 13, 9, 8 p., 1768.

### **Active Components of Commonly Prescribed Medicines Affect Influenza A Virus-Host Cell Interaction: A Pilot Study**

lanevski, A., Yao, R., Zusinaite, E., Lysvand, H., Oksenysh, V., Tenson, T., BJORAS, M. & Kainov, D., Aug 2021, In: *Viruses (Basel)*. 13, 8, 14 p., 1537.

### **Screening of FDA-Approved Drugs Using a MERS-CoV Clinical Isolate from South Korea Identifies Potential Therapeutic Options for COVID-19**

Ko, M., Chang, S. Y., Byun, S. Y., lanevski, A., Choi, I., d'Orengiani, A-L. P. H. DA., Ravlo, E., Wang, W., BJORAS, M., Kainov, D. E., Shum, D., Min, J-Y. & Windisch, M. P., Apr 2021, In: *Viruses (Basel)*. 13, 4, 14 p., 651.

### **Drug Combinations as a First Line of Defense against Coronaviruses and Other Emerging Viruses**

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### **Safe-in-Man Broad Spectrum Antiviral Agents**

Yao, R., Ianevski, A. & Kainov, D., 2021, *ANTIVIRAL DRUG DISCOVERY AND DEVELOPMENT*. Liu, X., Zhan, P., Menendez-Arias, L. & Poongavanam, V. (eds.). SPRINGER-VERLAG SINGAPORE PTE LTD, p. 313-337 25 p. (Advances in Experimental Medicine and Biology; vol. 1322).

### **Identification and Tracking of Antiviral Drug Combinations**

Ianevski, A., Yao, R., Biza, S., Zusinaite, E., Mannik, A., Kivi, G., Planken, A., Kurg, K., Tombak, E-M., Ustav, M., Shtaida, N., Kuleskiy, E., Jo, E., Yang, J., Lysvand, H., Loseth, K., Oksenysh, V., Aas, P. A., Tenson, T., Vitkauskienė, A., & 6 others Windisch, M. P., Fenstad, M. H., Nordbo, S. A., Ustav, M., Bjoras, M. & Kainov, D. E., Oct 2020, In: *Viruses (Basel)*. 12, 10, 15 p., 1178.

### **Chemical, Physical and Biological Triggers of Evolutionary Conserved Bcl-xL-Mediated Apoptosis**

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### **Discovery and development of safe-in-man broad-spectrum antiviral agents**

Andersen, P. I., Ianevski, A., Lysvand, H., Oksenysh, V., Bjørås, M., Telling, K., Lutsar, I., Dampis, U., Irie, Y., Tenson, T., Kantele, A. & Kainov, D., Apr 2020, In: *International Journal of Infectious Diseases*. 93, p. 268-276 9 p.

### **Common Nodes of Virus-Host Interaction Revealed Through an Integrated Network Analysis**

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### **Expanding the activity spectrum of antiviral agents**

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### **A Systems Approach to Study Immuno- and Neuro-Modulatory Properties of Antiviral Agents**

Zusinaite, E., Ianevski, A., Niukkanen, D., Poranen, M. M., Bjoras, M., Afset, J. E., Tenson, T., Velagapudi, V., Merits, A. & Kainov, D. E., Aug 2018, In: *Viruses (Basel)*. 10, 8, 13 p., 423.

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### **Antiviral Properties of Chemical Inhibitors of Cellular Anti-Apoptotic Bcl-2 Proteins**

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#### **Regulation of kynurenine biosynthesis during influenza virus infection**

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#### **Influenza Virus Infection, Interferon Response, Viral Counter-Response, and Apoptosis**

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#### **JNJ872 inhibits influenza A virus replication without altering cellular antiviral responses**

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### **Anticancer compound ABT-263 accelerates apoptosis in virus-infected cells and imbalances cytokine production and lowers survival rates of infected mice**

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