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If enough data are presented to a model, they can aid the search for a **drug** or vaccine candidate by identifying patterns within the data. In this review, we focus on the recent advances of COVID-19 **drug** and vaccine **development** using **artificial intelligence**, and the potential of intelligent training for the discovery of COVID-19 therapeutics.

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Cited by: 3 Author: Arash Keshavarzi Arshadi, Julia Webb, M...

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Name of Journal: *Artificial Intelligence in Gastroenterology*
Manuscript NO: 60114
Manuscript Type: MINIREVIEWS

Artificial intelligence and machine learning could support drug development for hepatitis A virus internal ribosomal entry sites

Kanda T *et al.* AI supports drug development for HAV IRES

Tatsuo Kanda, Reina Sasaki, Ryota Masuzaki, Mitsuhiro Moriyama

Abstract

Hepatitis A virus (HAV) infection is still an important health issue worldwide.

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COSMO-RS-Based Descriptors for the Machine Learning ...

<https://pubs.acs.org/doi/10.1021/acs.jpcllett.0c02836>

Artificial intelligence (AI), and, in particular, deep learning as a subcategory of AI, provides opportunities for the discovery and **development** of innovative **drugs**. Various **machine learning** approaches have recently (re)emerged, some of which may be considered instances of domain-specific AI which have been successfully employed for **drug** ...

Author: Sergey Gusarov, Stanislav R Stoyanov Publish Year: 2020

Evolutionary artificial intelligence based peptide ...

<https://www.sciencedirect.com/science/article/pii/S0925443920303264>

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The rampant spread of COVID-19, an infectious disease caused by SARS-CoV-2, all over the world has