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Contact Information:

Jill Hronek, Director of Marketing Communications

Telephone: +1.630.256.7527, ext. 103

E-mail: [jhronek@slas.org](mailto:jhronek@slas.org)

### **December Special Issue of *SLAS Discovery* Features “Drug Discovery Targeting COVID-19”**

**Oak Brook, IL** – The December edition of *SLAS Discovery*, “Drug Discovery Targeting COVID-19” is a special collection assembled by Associate Editor Timothy Spicer (Scripps, FL, USA), focusing on drug discovery efforts toward the current global pandemic of COVID-19 caused by the novel coronavirus, SARS-CoV-2.

In this Special Issue, you will find seven papers published as open access articles.

The issue includes four reviews that cover the commonly utilized approach of repurposing drugs to rapidly treat COVID-19, as well as targeting the virus using new vaccines and clinical drugs.

The articles of original research focus on novel proteins necessary for virus replication. The article, “High-Throughput Screening for Drugs that Inhibit Papain-Like Protease in SARS-CoV-2,” explores how an ultra-high throughput screening platform targeting PLPro was used to investigate over 13,000 clinically applicable drugs. The article, “Discovery of Drug-Like Ligands for the Mac1 Domain of SARS-CoV-2 Nsp3” tests drug-like ligands for their efficacy against the MAC domain of SARS2 Nsp3, a novel approach. In addition to these two articles, the December special issue contains an additional two articles of original research.

Articles of Original Research include:

- Method Development and Application of an Accelerated Solution Stability Screen for Drug Discovery
- Comparative Analysis of Multiple Immunoassays for Cytokine Profiling in Drug Discovery

Other articles include:

- Potential Repurposed Therapeutics and New Vaccines against COVID-19 and Their Clinical Status
- A Review of the Preclinical and Clinical Efficacy of Remdesivir, Hydroxychloroquine, and Lopinavir-Ritonavir Treatments Against COVID-19
- Based on Principles and Insights of COVID-19 Epidemiology, Genome Sequencing, and Pathogenesis: Retrospective Analysis of Sinigrin and Prolixin RX (Fluphenazine) Provides Off-Label Drug Candidates
- RNA-Dependent RNA Polymerase as a Target for COVID-19 Drug Discovery
- Repurposing Nimesulide, a Potent Inhibitor of the BOAT1 Subunit of the SARS-CoV2 Receptor, as a Therapeutic Adjuvant of COVID-19

- Recommended Guidelines for Developing, Qualifying, and Implementing Complex In Vitro Models (CIVMs) for Drug Discovery
- Drug Discovery Targeting COVID-19

Access to December's *SLAS Discovery* issue is available at <https://journals.sagepub.com/toc/jbxb/25/10>. For more information about SLAS and its journals, visit [www.slas.org/journals](http://www.slas.org/journals). Access a "behind the scenes" look at the latest issue with *SLAS Discovery* Author Insights podcast. Tune in by visiting <https://www.buzzsprout.com/1099559>.

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**SLAS** (Society for Laboratory Automation and Screening) is an international professional society of academic, industry and government life sciences researchers and the developers and providers of laboratory automation technology. The SLAS mission is to bring together researchers in academia, industry and government to advance life sciences discovery and technology via education, knowledge exchange and global community building.

***SLAS Discovery: Advancing the Science of Drug Discovery***, 2019 Impact Factor 2.195. Editor-in-Chief Robert M. Campbell, Ph.D., *Twentyeight-Seven Therapeutics*, Boston, MA (USA).

***SLAS Technology: Translating Life Sciences Innovation***, 2019 Impact Factor 2.174. Editor-in-Chief Edward Kai-Hua Chow, Ph.D., *National University of Singapore* (Singapore).

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