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Contact Information:

Jill Hronek, Director of Marketing Communications

Telephone: +1.630.256.7527, ext. 103

E-mail: jhronek@slas.org

August's Special Issue of *SLAS Technology* "Carbohydrate Structure Analysis: Methods and Application" Available Now

Oak Brook, IL – The August edition of *SLAS Technology* "Carbohydrate Structure Analysis: Methods and Application" is curated by guest editors Christian Heiss, Ph.D. and Parastoo Azadi, Ph.D., of the University of Georgia's Complex Carbohydrate Research Center.

Focused on arguably one of nature's most diverse and difficult macromolecules, the August special issue of *SLAS Technology*, "Carbohydrate Structure Analysis: Methods and Applications" is a collection of articles highlighting new approaches to tackle the challenges associated with elucidating the structures of carbohydrates. While the diversity of linkages and branching patterns between monomer building blocks on carbohydrates poses great challenges for their structural characterization, it also entails that they carry an enormous amount of information in compact structures, which makes them biologically significant. In view of the tremendous importance of carbohydrates in biology, medicine, and biotechnology, better methods for carbohydrate structure analysis are urgently needed. Special issue editors Heiss and Azadi have selected nine articles highlighting new developments in three areas of carbohydrate analysis, including monosaccharide analysis, glycomics, and glycan-protein interactions.

Articles include:

- Vaccine Quality Ensured by High-Performance Anion-Exchange Chromatography with Pulsed Amperometric Detection
- Locating Methyl-Etherified and Methyl-Esterified Uronic Acids in the Plant Cell Wall Pectic Polysaccharide Rhamnogalacturonan II
- Analytical Techniques for Determining the Role of Domain of Unknown Function 579 Proteins in the Synthesis of *O*-Methylated Plant Polysaccharides
- Flow Chemistry System for Carbohydrate Analysis by Rapid Labeling of Saccharides after Glycan Hydrolysis
- Simplifying Glycan Profiling Through a High-Throughput Micro-Permethylation Strategy
- High Throughput Analysis of Fluorescently Labeled N- Glycans Derived from Biotherapeutics Using an Automated LC-MS Based Solution
- *O*-Benzylhydroxylamine (BHA) as a Cleavable Tag for Isolation and Purification of Reducing Glycans

- Saturation Transfer Difference in Characterization of Glycosaminoglycan-Protein Interactions
- Preparation and Application of Nanosensor in Safeguarding Heparin Supply Chain

Access to August's *SLAS Technology* issue is available at <https://journals.sagepub.com/toc/jlad/25/4> through September 20. For more information about SLAS and its journals, visit www.slas.org/journals. Access a "behind the scenes" look at the latest issue with SLAS Technology Authors Talk Tech podcast. Tune in by visiting <https://www.buzzsprout.com/1099523>.

SLAS (Society for Laboratory Automation and Screening) is an international community of 16,000 professionals and students dedicated to life sciences discovery and 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., Eli Lilly and Company, Indianapolis, IN (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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