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FOR IMMEDIATE USE Before July 8, 2018

Avantor® to Present Scientific Poster on Process Chromatography at PREP 2018 Symposium in Baltimore

Avantor scientists will discuss “The Improvement of Hydrophobic Interaction Chromatography Process Effectiveness by Modulating Ligand and Protein Binding Interaction” at upcoming symposium on preparative and process chromatography

Center Valley, PA (USA) – June 13, 2018 – [Avantor®](#) scientists will deliver a research poster titled “The Improvement of Hydrophobic Interaction Chromatography Process Effectiveness by Modulating Ligand and Protein Binding Interaction” at the [PREP 2018](#) International Symposium on Preparative and Process Chromatography. The conference takes place July 8-11 at the Hyatt Regency Baltimore Inner Harbor Hotel in Baltimore, Maryland.

Quanxuan Zhang and Rudrajit Mal, entrepreneurial scientists; B. Thiyagarajan, group leader; and Nandu Deorkar, vice president of research and development, will discuss the results of an Avantor study on an alternative approach to [process chromatography](#) using additives to modulate ligand and protein interaction.

“Hydrophobic interaction chromatography (HIC) is widely used for separation of closely related proteins and impurities based on the minor differences in binding affinity that arise primarily via Van der Waals interaction,” said Deorkar. “The current approach of process development in HIC involves tuning the buffer type, pH and conductivity. We will present an alternative approach that uses additives to modulate the ligand and protein interaction, thus tuning the selectivity. The retention time and elution profile of one protein have been consistently and dramatically affected with additives, with no impact on other proteins.”

More details about Avantor’s study and application for HIC process development will be available at PREP 2018.

For information about Avantor, visit: www.AvantorInc.com, twitter.com/avantor_news or www.facebook.com/AvantorInc.

About Avantor

Avantor is a leading global provider of integrated, tailored solutions for the life sciences and advanced technology industries. Strengthened by the recent acquisition of VWR, the Company is a trusted end-to-end partner to customers and suppliers from discovery to delivery. With operations in more than 30 countries and a diverse portfolio that includes more than four million

products, Avantor supports customer success through innovation, cGMP manufacturing and comprehensive service offerings. Collectively, we set science in motion to create a better world. For more information, visit www.settingscienceinmotion.com.

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