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# Journal of Chromatography A

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## Foreword

The Sixth HIC/RPC Bioseparation Conference was held from March 15–19, 2009 in Napa, CA. The beautiful Silverado Resort in the Napa Valley was the venue for this conference.

The sixth conference – focusing on two modes in biochromatography of proteins: hydrophobic interaction chromatography (HIC) and reversed-phase liquid chromatography (RPC) – was again organized by Tosoh Bioscience.

The focus of the conference was better understanding of the hydrophobic nature of therapeutic proteins and their chromatographic separation and purification based on this understanding. Starting with the basic theory of hydrophobic interactions, protein solvation and folding stability and presenting the industrial scale purification of therapeutic proteins by HIC and RPC, recognized scientists from both academia and industry had the opportunity to share their expertise and experiences on all aspects of chromatographic separation and process design. The most important challenges in modern downstream processing are the increasingly strong criteria regarding purity, safety and recovery of therapeutic proteins and other biopharmaceuticals, highly competitive environment and high regulatory standards that are now supported by new technologies such as genomics and proteomics.

At this conference the practical elements of chromatographic development and application of newly developed processes based on hydrophobic interactions were balanced by panel of individual discussions about novel approaches and theories. This combination of theory and practice successfully led to a deeper understanding of hydrophobic interactions between macromolecules affecting chromatographic selectivity, capacity and biological activity, and the application of this knowledge to the process development and control in direction of large scale purifications.

We highly value the contribution of the Scientific Committee with Professor Steven M. Cramer as the Chairman, Al Jackewitz and the whole Tosoh Bioscience USA team making the Sixth HIC/RPC Conference a big success.

We hope to see you all at the next, Seventh HIC/RPC Bioseparation Conference that will take place in 2010 in Estoriel, Portugal.

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