

## GS02 **Post-genomic Research Contributing to Drug Development ~How to Analyze and Utilize Proteins~**

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In the post genomic era, strategic drug design focusing on proteins, which is the main functional entity in vivo, is required. Proteins are expected not only as therapeutic targets but also for their application to drug development due to their diverse nature, and huge analytic approaches have been presented from analysis of expression profiles to function and interaction analysis. However, analysis and application of complex proteins interacting in vivo has limitations only from a single field approach, and sharing a multifaceted perspective beyond the boundaries between fields is necessary. At this symposium, we have 6 presenters in the field of the isolation, identification and quantitative evaluation of proteins related to pathological conditions and the creation of DDS preparations centered on the theme "drug development focusing on proteins". By systematically understanding how to "understand pathological conditions, evaluate association with proteins, and apply to drugs", individual researchers will acquire the ability to look at the whole drug development flow. In addition, at this symposium, it is expected that researchers focusing on protein analysis with different technologies will exchange opinions and lead to the idea of mutual breakthrough and collaborative research. We hope this symposium will be helpful for growth of young researchers and development of protein drug development.