

## **14th Frontier Pharmaceuticals to Be Explored by Young Scientists ~Novel Active Pharmaceutical Ingredients and Formulations Designed at the Molecular-Level : Frontiers in Molecular Pharmaceutics~**

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A variety of pharmaceutical dosage forms such as tablets and injections have been developed in response to widened drug targets from low molecular to macromolecular compounds. However, the case to commercialize a pharmaceutical product without ingenious formulation technologies is very limited. Furthermore, an importance of formulation technology will increase more and more to produce OTC and generic products with higher quality. Recently, “molecular pharmaceutics” where APIs and formulations are designed and evaluated at the molecular and nano level has attracted an attention. Pharmaceutical products with high functionality and safety can be designed by formulation technologies and evaluation methods based on molecular pharmaceutics. Their practical applications have been vigorously investigated in pharmaceutical companies. In this symposium, five young researchers engaged in fundamental and applied studies in molecular pharmaceutics will have lectures on their topics. This symposium will be an excellent opportunity to show “cutting edge of molecular pharmaceutics” and will open a new way to next generation in pharmaceutical sciences through lively discussions.