

VIRTUAL LABORATORY BASED ON GRID TECHNOLOGY

PROGRAM

Date: March 24 ~ 25, 2008

Place: Yonsei University, Seoul, Korea

TIME	MARCH 24
09:00~09:30	Registration
09:30~09:40	Welcome Address In Kwon Chung Dean of College of Life Sciences and Biotechnology, Yonsei University
	Opening Remark Chul Soo Shin Director of Yonsei Biomedical Science and Technology Initiative, Yonsei University
Session 1 (Chairman: Hyeon Seok Son, Seoul Nat. Univ.)	
09:40~09:50	Overview Perspectives of Virtual Laboratory in Drug Discovery Kyoung Tai No, Yonsei University, Korea
09:50~10:10	Invited Talk 1 Large Scale Computing for Bioinformatics Yutaka Akiyama, Tokyo Institute of Technology, Japan
10:10~10:40	Invited Talk 2 Drug discovery grid and case study: AIV virtual screening Kunqian Yu, Drug Discovery and Design Center, China
10:40~11:00	Coffee Break
Session 2 (Chairman : Gyoonhee Han, Yonsei Univ.)	
11:00~11:30	Invited Talk 3 Grid Workflow-Integrated Computing Architecture and Its Application for Advanced Healthcare Services Chan-Hyun Yoon, Information and Communications University, Korea
11:30~12:00	Invited Talk 4 Detailed mechanism for AmtB conducting NH₄⁺/NH₃: Molecular dynamics simulations Weiliang Zhu, Drug Discovery and Design Center, China
12:00~14:00	Lunch
Session 3 (Chairman : Hanjo Kim, BMDRC)	
14:00~14:40	Invited Talk 5 OBIGrid: Operating Experiences of a Distributed Platform for Bioinformatics Fumikazu Konishi, Tokyo Institute of Technology, Japan
14:40~15:10	Invited Talk 6 Natural Product Functions as a Multi-target Performer for its Biological Action? Xu Shen, Drug Discovery and Design Center, China
15:10~15:40	Invited Talk 7 Lead Explore: Prediction of Metabolism Kwang Hwi Cho, Soongsil Univ., Korea
15:40~16:00	Coffee Break
Session 4 (Chairman : Suyeon Kim, Yonsei University)	
16:00~16:30	Invited Talk 8 HG2C Project and its IT support in e-Science Environments Jaeyoung Choi, Soongsil University, Korea
16:30~17:00	Invited Talk 9 Modeling of Signal Transduction for Bacterial Chemotaxis using the E-CELL Simulation System Yuri Matsuzaki, Tokyo Institute of Technology, Japan
17:00~17:30	Closing Remark

Organized by **Drug Discovery and Design Center, China**

Co-Organized by **Bioinformatics and Molecular Design Research Center, Korea**

Supported by **Yonsei Biomedical Science and Technology Initiative**