

Advanced Research in Biotechnology Based on Knowledge Science

Trans-disciplinary Projects

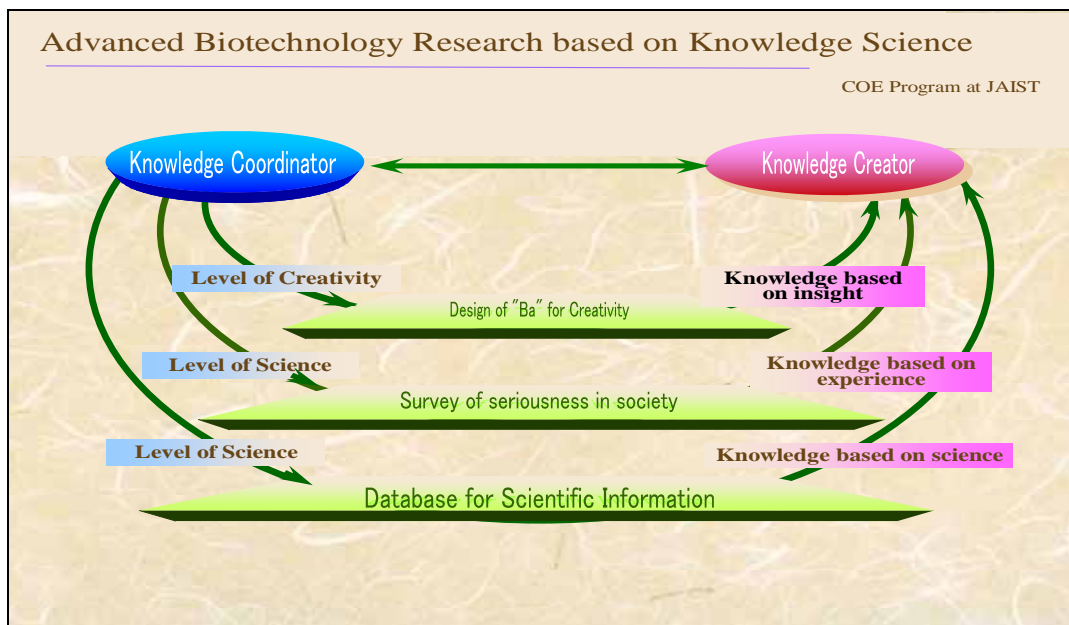
Leader : Masahiro Takagi (Professor, Material Science)

✚ Research Outline

We will design “Ba” in laboratory to share knowledge among members and to manage cooperation among different academic fields to avoid excessive specialization.

Moreover, we will create "Knowledge Portal" to share scientific information in academic papers and sociological trends. Importance and practicability of knowledge will be evaluated from the view points of science (Level of Science) and society (Level of Society).

Then, “Roadmap” of laboratory research will be made to support creative research in future (Level of Creativity).



✚ Members

Y.Nakamori(Professor, Knowledge Science),T.Kikuchi(School of Knowledge Science) Y.Aso(School of Material Science),F.Okazaki(Shool of Knowledge Science)
M.Hori(INTEC W&G Informatics Co)

✚ Publications

- Motonori Kudou, Kentaro Shiraki, Shinsuke Fujiwara, Tadayuki Imanaka and Masahiro Takagi. Prevention of thermal inactivation and aggregation of lysozyme by polyamines. *Eur.J.Biochem.*, 270, 4547-4554 (2003)
- Naoki Tsuji, Shingo Nishikori, Osamu Iwabe, Kentaro Shiraki, Hitoshi Miyasaka, Masahiro Takagi, Kazumasa Hirata, and Kazuhisa Miyamoto, Characterization of phytochelatin synthase-like protein encoded by *alr0975* from a prokaryote, *Nostoc* sp. PCC 7120. *Biochem.Biophys.Res.Com.* 315,751-5.(2004)