京都大学若手人材海外派遣事業　スーパージョン万プログラム
研究者派遣プログラム

英文報告書

提出日：平成 27 年 5 月 7 日

1．渡航者　（日本語）			
氏　　名	黒田浩一	採択年度	平成 26 年度
部　　局	農学研究科	電　話	
職　　名	准教授	メール	
研究課題名	包括的転写・代謝デザインによる酵母のストレス耐性・物質生産能向上に関する研究		
海外渡航期間	平成 26 年 6 月 29 日〜　平成 27 年 4 月 2 日		
渡航先 (英語表記)	国名：United States of America 大学等研究機関名：Massachusetts Institute of Technology 研究室名等：Laboratory for Bioinformatics and Metabolic Engineering 受入研究者名：Prof. Stephanopoulos		

2．渡航の報告　（英文）

渡航先の研究環境、研究者との交流、研究発表の状況等、渡航中の滞在経験について英語 (500〜1000 語) で記述して下さい。受入研究者と撮影した写真や研究発表で用いた図等について、可能な範囲で別添として提出して下さい。ページ数については増加してもかまいません。

I worked at the laboratory for bioinformatics and metabolic engineering (Prof. Stephanopoulos) in MIT for 9 months. I joined collaborative project with Prof. Fink at Whitehead Institute, and could many experiments there by favor of Prof. Fink. So, I attended a meeting and presented my research progress in both laboratories, and gained the opportunity to have a relationship with many lab members in both laboratories. Fortunately, interesting results were obtained through my experiments, and will be submitted in a paper with a strong association with both professors.

It was impressive that there are various systems to promote the intercommunication among researchers in Whitehead Institute. For example, there is few partition comparting laboratories. That allows researchers to have discussions freely beyond the difference in laboratory. In addition, it is possible to attend the lab meeting of different laboratories if they want. The seminar is held with lunch provided once a week, and anyone in the institute can attend. At the seminar, the selected researcher from each laboratory make a presentation of the latest knowledge. The institute also provide active support for human resources development. Seminars about usage of software, leading-edge experimental technology, and latest research development by prominent extramural researcher are given to members working in the institute. A lot of instruments are shared with other laboratories and efficiently-used. The institute creates an environment that enables researchers to focus on their own research and make a collaboration in the institute.