DATE: Day 22 Month July Year 2016

SUMMARY of
2015 RESEARCH RESULTS REPORT
For International Collaborative Research with IPR, Osaka University

Research Title		Preliminary study of HDAC 10 (small residue) Enzyme Crystallization as Biomolecular Target for Cervical Cancer Drug Design
Applicant	**Name**	Tambunan Usman Sumo Friend
	Affiliation	Bioinformatics Research Group, Department of Chemistry, Faculty of Mathematics and Science, University of Indonesia
	Present Title	Leader of Bioinformatics Research Group
Research Collaborator (Host PI)		Atsushi Nakagawa

Summary

According to WHO, Cervical cancer is a dangerous disease for Women both in developed and developing world. Hence, the relationship between cervical cancer and Human Papillomavirus (HPV) has been elucidated. In this end, warding off HPV with drugs or vaccine is essential for coping with cervical cancer. One of the target for halting HPV infection is the inhibition of Human Deacetylase (HDAC) class II *Homo sapiens* enzyme. It is already found that HDAC subtype 10 (HDAC 10) is playing important role in transcriptomics and RNA processing. However, based on current query on RCSB database, the crystal structure of HDAC 10 is still unavailable. Thus, in order to examine the complete features of HDAC 10, it is imperative to produce its crystal structure.

***Deadline: July 31, 2016**
***Please submit it to E-mail: tanpakuken-kyoten@office.osaka-u.ac.jp.**
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