

DATE: Day ___ Month ___ Year 2024

**SUMMARY of
FY2023 RESEARCH RESULTS REPORT
For International Collaborative Research with IPR, Osaka University**

Research Title		Characterizing allostery in proteins upon peripheral membrane-binding using elastic network models
Applicant	Name	Nathalie Reuter
	Affiliation	Department of Chemistry and Computational Biology Unit, University of Bergen, Norway
	Present Title	Professor
Research Collaborator (Host PI)		Associate Professor Sandhya P. Tiwari
<p>Summary</p> <p>Dr. Tiwari and I discussed the possibility of designing an elastic network model for the specific purpose of understanding the conformational changes in proteins upon binding to lipid membranes. The result of this will better inform our efforts to curate and predict peripheral membrane binding interfaces in proteins. Furthermore, we were able to create deeper connections with researchers in Japan, who work on a similar topic. We will continue to pursue this project in the coming year through data and researcher exchanges.</p>		

***Deadline: May 10, 2024**

***Please submit it to E-mail: tanpakuken-kyoten@office.osaka-u.ac.jp.**

***Please describe this summary within 1 sheet. Please DON'T add some sheets.**

***This summary will be published on the web.**