

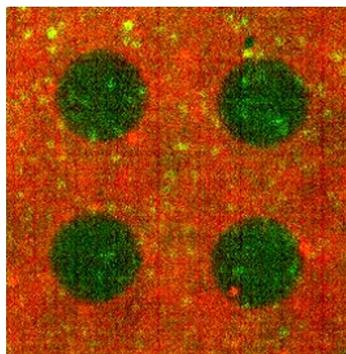
CALIXAR enters into collaboration with Kobe University to explore stabilized native membrane protein dynamics in reconstituted membranes using fluorescence

April 27th, 2020 – CALIXAR and Kobe University announce a strategic partnership

Under this collaboration, CALIXAR will apply its patented technology and expertise to solubilize, stabilize and functionally characterize challenging native membrane protein targets of high medical relevance (GPCRs, Ion channels, Transporters...). While Kobe University, an established leader in model membrane and single molecule technologies, will reconstitute membrane proteins in patterned model membrane and investigate membrane protein dynamics in different conditions mimicking the biological membranes and various functional states of native membrane protein targets.

“We are thrilled to collaborate with Kobe University, to add their unique model membrane and single molecule dynamics analysis expertise to our extending portfolio of drug discovery tools” said Dr. Anass JAWHARI, Chief Scientific Officer of CALIXAR. “We are convinced that adding dynamic understanding of membrane proteins to the drug discovery equation will provide a more complete picture of structure and function of membrane protein targets and help better design drugs and improve understanding of their mechanism of action” he added. “Our joint effort will benefit to our Pharma/ Biotech partners, especially those struggling with the complexity of fluorescence cell-based assay” completed, Dr. Emmanuel DEJEAN, Chief Executive Officer of CALIXAR

“We are also excited about the opportunity to partner with CALIXAR and study native GPCRs in our model membranes. It will certainly extend our research to biomedical applications. We are hoping to contribute to drug discovery and diagnostic research areas by providing quantitative molecular information of membrane proteins by the single molecule fluorescence observation” said Professor. Kenichi Morigaki, Group Leader at Kobe University, Japan.



Membrane protein in a patterned membrane
©Kenichi Morigaki, Kobe University

About CALIXAR

CALIXAR discovers and develops new approaches to isolate full-length membrane therapeutic targets with the highest purity levels. The company develops its own pipeline of medically-relevant targets and can also utilize its patented technology platform for other companies that need to identify, express, extract and purify membrane proteins (GPCRs, ion channels, receptors, transporters and viral targets). CALIXAR's approach provides pharmaceutical companies with the opportunity to work with high-quality and reliable targets or antigens, compatible with all applications. This includes developing antibodies and/or discovering primary leads. CALIXAR's platform also enables new vaccine formulations.

About Kobe University

Founded over 110 years ago in a cosmopolitan city of Kobe, Kobe University is now one of Japan's leading comprehensive universities with 10 faculties, 15 graduate schools, and a great number of research centres and institutes. The university aims to pioneer new academic frontiers by promoting inter-institutional collaboration and advanced research that transcends the boundaries between academic fields. Taking advantage of its traditional strengths in the social sciences combined with more recent initiatives across the natural and biomedical sciences, Kobe University is promoting interdisciplinary research and education to become an outstanding research university.

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