



Calixar announces a collaborative research agreement with Thermo Fisher Scientific on multiple membrane proteins of high relevance to drug discovery

Lyon, France and Frederick - MD, USA (April 5, 2019) – Calixar SAS (Calixar) today announced a collaborative research agreement with Thermo Fisher Scientific, the world leader in serving science. Under the terms of this collaboration, Thermo Fisher will use its cutting edge expression systems (including newly launched ExpiCHO and Expi293 GnTI-, Inducible, and Inducible GnTI- cell lines) to produce several difficult to express membrane protein targets. Calixar will then use its patented technology and expertise to solubilize, stabilize and structurally and functionally characterize these challenging targets of high medical relevance.

Membrane proteins are critical targets for drug discovery. It is therefore important to produce them while maintaining their structural and functional integrities without having to stabilize them by mutagenesis, truncation and protein fusion. In this context, Calixar aims to push the boundaries of native membrane protein production without compromising quality and quantity. The collaboration with Thermo Fisher is intended to generate valuable tools to enable fundamental mechanistic studies as well as associated discovery programs such as Fragment-Based Drug Discovery (FBDD), Structure-Based Drug Discovery (SBDD), vaccine and antibody discovery.

About Calixar

Calixar develops new approaches to isolate in solution - with the highest purity levels - full-length membrane antigens and proteins (GPCRs, Ion Channels, Transporters, Receptors and Viral Proteins), while keeping their structural and functional integrity. Calixar's approach represents an opportunity for pharmaceutical companies to start and work with high quality targets or antigens before formulating vaccines, developing antibodies, and/or discovering a primary lead through Structure Based Drug Design or High Throughput Screening assays.

For more information: www.calixar.com.

About Thermo Fisher Scientific

Thermo Fisher Scientific Inc. is the world leader in serving science, with revenues of more than \$24 billion and approximately 70,000 employees globally. Our mission is to enable our customers to make the world healthier, cleaner and safer. We help our customers accelerate life sciences research, solve complex analytical challenges, improve patient diagnostics, deliver medicines to market and increase laboratory productivity. Through our premier brands – Thermo Scientific, Applied Biosystems, Invitrogen, Fisher Scientific and Unity Lab Services – we offer an unmatched combination of innovative technologies, purchasing convenience and comprehensive services. For more information, please visit www.thermofisher.com.

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