The cAMP signalling pathway plays a central role in human health and disease. In the last 20 years there has been a radical change in the way we understand how cAMP signalling operates, with the realisation that the pathway is organised in nanodomains with specific subcellular localisation, leading to a highly compartmentalised regulation of cellular function.

As we understand more about the organisation of the pathway, it is becoming clear that disruption of cAMP anchored signalling leads to disease in multiple systems and that disruption of this organisation results in pathological conditions. The organisation of the cAMP pathway in subcellular compartments provides an opportunity to selectively manipulate the signal locally, opening the possibility to develop precision therapy interventions. For this, a detailed understanding of the composition, regulation, and function of individual cAMP nanodomains and their cellular context is essential.

The meeting provides a forum to discuss new discoveries and to forge new collaborations to further advance our appreciation of this signalling pathway and its role in human health and disease.

Register online: bit.ly/AKAP-2023
Earlybird and abstract deadline: 27 July 2023