

Professor Yimon AYE

<https://leago.epfl.ch>

We have several positions opening in the [Aye laboratory](#) in Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland. Our laboratory is a multidisciplinary laboratory focusing on stress-responsive signaling mechanisms as they pertain to intra- and intercellular communications often conserved across evolution, and also on drug discovery.

We have pioneered numerous novel and multi-award-winning interdisciplinary concepts and techniques that have been applied to important biological questions.

The available projects will build on previously-published foundational studies, and encompass wide-ranging areas in the broader context of molecular, cellular and chemical biology: such as,

- (i) development of precision medicine targeting proteins/pathways essential in several cancer subtypes, based off two successful lead small-molecules that we recently discovered, and assessing their efficacies in cell culture and the best will be continued to more advanced models;
- (ii) projects aimed at understanding and reprogramming subcellular metabolite trafficking and signaling mechanisms;
- (iii) Projects targeted to advance spatial and functional omics technologies in multiple complex living models.