



# BCL5

5<sup>th</sup> Workshop on Brain, Computation, and Learning



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**04 July | 11:00 – 12:30**  
**Faculty Hall**

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## Multimodal earable device for longitudinal monitoring

**Abstract:** Current trends in remote healthcare emphasize the use of wearables, yet their potential in home based longitudinal monitoring remains underexplored. This presentation delves into a new device being developed for human sensing. We introduce an Earable device, a multi-modal sensing and analytics platform designed to address critical issues such as early detection of Neuro Degenerative Disorders (NDD). The discussion will cover the journey in building the device and the key technical challenges.