

Pitch project VR-biomarker

- Hello my name is Jonas Chatel-Goldman, I am chief science officer at Open Mind Innovation, a french neurotechnology company.
- In this project we joined our forces with Spanish startup Bitbrain.
- We are designing and building together the VR-biomarker product.
- Here for the first time we combine VR immersive experiences with quantitative neurophysiology.
- This innovative human evaluation framework aims at measuring new biomarkers for the early-detection of stress, depression and anxiety.
- Using carefully designed hardware, VR exposure protocols and biosignal analysis, we are able to detect subconscious biomarkers of attentional engagement and emotional reactivity.
- Thanks for support of the Cross4Health consortium, we could kickoff this amazing project and designed a first proof of concept. This system was tested during a in-depth field study with more than 50 participants.
- First results are very promising. As a follow-up, we foresee application of this new evaluation framework in both healthy and clinical population.