

BioISI Research Seminar

Data-Informed Healthcare for People with Parkinson's



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FCUL / ICT

When: June 28, Thursday - 11h30

Where: Building C1 Room 1.3.20

Disease progression and daily fluctuations in the condition of a patient with Parkinson are very hard to assess with clinical visits and traditional reporting mechanisms (e.g., paper diaries). Our research aims to empower clinicians by providing them with tools to visualize granular and continuous data, both subjective and objective, about a patient's condition/evolution. I will present a platform where clinicians are able, without any programming knowledge, to author applications that are deployed to the patient's or family's mobile device and prompt them for subjective data, or can, alongside a wearable bracelet, continuously collect activity (e.g., gait, sleep) data. All this information, upon processing, is available in a visualization platform where clinicians can observe meaningful information for their assessments. In this seminar, I will provide the motivation for this research, the co-design process performed together with clinicians, the developed platform and companion tools, and its ongoing applicability evaluation. Overall, I will finish by arguing for a change in the healthcare paradigm to one that is data-driven, or more precisely, data-informed.