

## Did you know?

Parkinson's disease affects millions of people worldwide, causing disabling motor and psychological symptoms.

Currently patients track the evolution of their condition in a rather subjective way, for instance relying on self-reported diaries.

This method hinders an accurate prescription of medication by the physician and makes it harder for researchers to compare data from different patients.

## Our proposal

To develop a wearable device - similar to a smartwatch - to passively track motor symptoms and improve patient's quality of life by keeping their medication schedule adapted to their needs. The data collected by the device is anonymously shared for research purposes.

## Key features

Comfortable  
Low cost (approx. \$50)  
Long battery life (7 days minimum)  
Open source

## Benefits



Pills reminder  
Comfortable design  
Non-invasive and accurate tracking of symptoms



Dashboard with individual patient's data  
Access to accurate evolution of patient's symptoms  
Customization of treatment

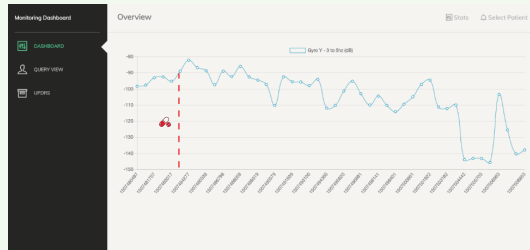
For researchers — Anonymized large dataset to aid research in Parkinson's disease

## Achievements during THE Port Hackathon

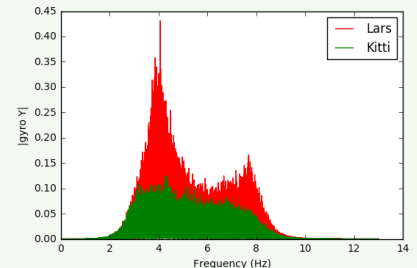
(Oct 5 - 8, 2017 - <http://theport.ch>)



**First prototype**  
9-axis IMU  
SD storage



**Physician's dashboard**  
Information on symptom's evolution through time for individual patients



**Data**  
Meaningful information on tremor symptoms

**Future**

**R&D**



Cloud data storage



Application to link diverse sources of data

Contact us to learn more and support our project!