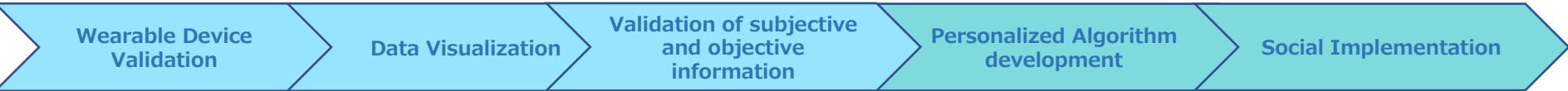


# Exploring the link between sleep and inflammation and Development of personalized digital health

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## Bio bigdata

- Wearable data (Objective data)
- Questionnaire (Subjective data)
- Blood test data
- Protein data
- Metabolomic data
- Genome data



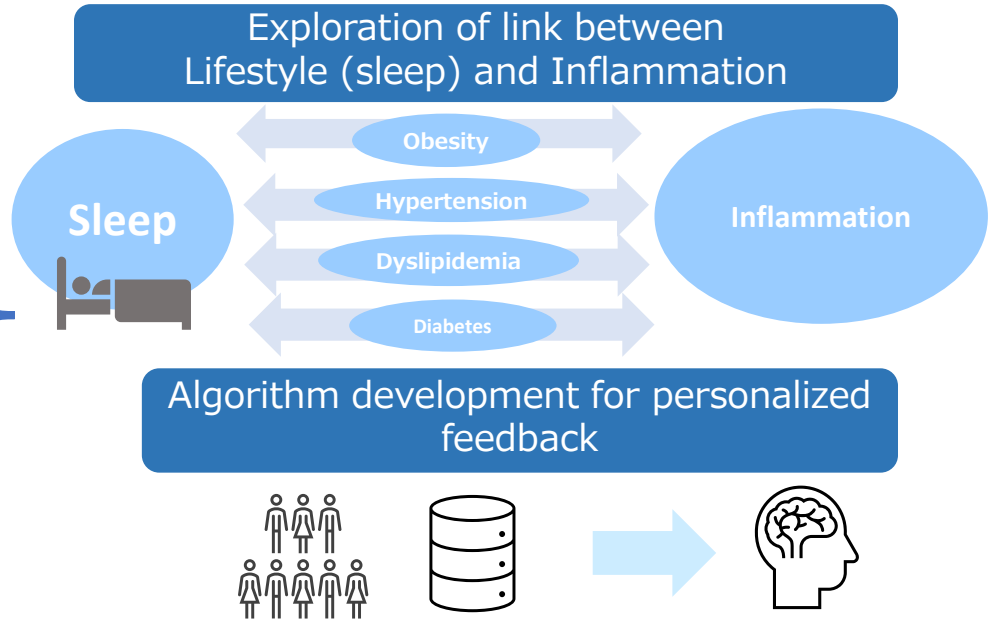
Wearable device



Smartphone/tablet  
Questionnaire



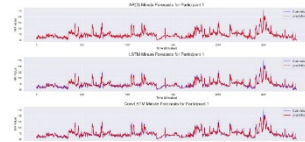
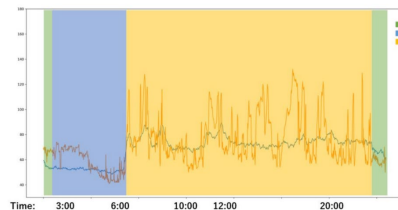
Biomarkers



Explanatory variables:  
Heart rate, exercise, sleep information, questionnaires, etc.

- Selection of features related to sleep evaluation
  - Investigation of the influence of sleep and physical activity
- Construction of deep and machine learning models

International collaboration with Sweden



Social  
Implementation

