

## AXiR Engine® tells you the risk of future disease in your body.

We've been facing a big question of why the number of deaths by diseases are showing similar trends every year. In Japan the mortality of malignant neoplasms, heart disease, pneumonia and cerebrovascular disease are 3,730 thousand, 1,980 thousand, 1,190 thousand and 1,090 thousand in the 2017 demographic statistics of Japan and the similar numbers have been repeated in the past years and the trend will be recorded in the next time, too.

We assume the invisible paths to reach those diseases and strong reason must be there to support those ones. In The "Compass to Healthy Life" Research Complex Program organized by RIKEN and supported by JST, in July 2018, AXION Research Inc. shows the performance of Replica Generator III to increase data of healthcare based on 415 people data up to 4,150 data and it increases 7 categories as expanded clustering results from 4 original categories as limited one. It could be very helpful to get the next step and the efficient direction by increasing data with keeping the probability density, the dispersion, the distribution and the statistical feature of the original data. It works very well to make richer prediction. The project will increase the data from 720 up to 1,000 people in 2018. It continues to collect 10,000 people data and it will make good contribution of how to analyze health indices and invisible disease risk analysis for pre-disease state.



**AXiR**  
Engine



**P-HARP**  
PRECISION HEALTH ANALYSIS  
RESEARCH PLATFORM

AXION Research Inc. is introducing new methodology to identify the health indices/position in pre-disease state group and how quickly getting worse by checking autonomic nerves activities related to individual immunity. Heatmap of health condition/disease risk level helps the identification of the risk and vector-map of disease risk level works how much, how quickly getting worse or shifting the next level. The challenge started a few years ago but various technology and research results can accelerate the analysis process and its accuracy.

Today medical service is often using X-ray, MRI, CT or PET and it can identify the disease itself at very high rate.

However, it does usually work as an answer like you have no problem at all, at least today.

Some of pre-disease state people might be waiting for new technology.

We introduce AXiR Engine® for how much healthy you are.

It's working as POC level today and we're seeking the strategic partners to run it into the real world as commercial service.

### Business Model

AXION Research provides AXiR Engine and P-HARP customized services for the customers and partners. Healthcare Services are built in various application. We're interested in strategic alliance partners to accelerate the market adoption.

### Global Partnership

AXION Research is building global partnership with AR/VR and robotics companies targeting healthcare industry. We're also looking for worldwide business partners.

### Fund Raising

We're closing Angel Round in March and April 2018 in Japan. We're also seeking it globally out of Japan in April, May and June 2018. Please contact us <http://axionr.com>

# AXION RESEARCH INC.