

# TOYAMA-TAKAOKA (Trial)

## Toyama Medical Bio-Cluster

### Outline of the Project

Toyama Medical and Pharmaceutical University (TMPU) promotes the research on immune response and Kanpo, and it has original technology. We are furthering development of the micro-array chip for solving the immunity function of a cell by uniting this technology, the electronics technology and micro-machining technology which Toyama University and Toyama Industrial Technology Center promote. Furthermore, by this chip, we aim to enable quick diagnosis about various infectious diseases, and aim at the utilization of a medical system or supplies which performs medical treatment personally.

### Members of the Headquarters

- President, Project Director..... NANNICHI Yasuo (Prof. Emeritus Univ. of Tsukuba)
- Research Director..... MURAGUCHI Atsushi (Prof. Toyama Med. & Pharm. Univ.)
- Science and Technology Coordinator..... KOBASHI Kyoichi

**Central Project Organization** Toyama New Industry Organization (TONIO)

**Core Institute(s)** Toyama Med. & Pharm. Univ., Toyama Univ.,  
Japan Advanced Institute of Science and Technology,  
Toyama Industrial Technology Center

**Participants** Industry... Cosel Co., Ltd, Hitachi Software Engineering Co., Ltd,  
Hokuto-kagaku Trading Co., Ltd,  
Intech Web and Genome Informatics Corp.,  
Nippon Genetech Co., Ltd, Sugino Machine Limited,  
Tateyama Kagaku Ind. Co., Ltd, Toyama Chemical Co., Ltd,  
Toyo Kako Co., Ltd, Tsumura Co. (in alphabetical order)

Institute... Toyama Med. & Pharm. Univ., Toyama Univ.,  
Japan Advanced Institute of Science and Technology  
Toyama Prefectural Univ.

Government... Toyama Industrial Technology Center,  
Toyama Prefectural Institute for Pharmaceutical Research,  
Toyama Institute of Health

**Main Researchers** KISHI Hiroyuki (Associate Prof. Toyama Med. & Pharm. Univ.)  
SUZUKI Masayasu (Prof. Toyama Univ.)  
SAIKI Ikuo (Prof. Toyama Med. & Pharm. Univ.)  
TANINO Katsumi (Chief of the Machinery & Electronics Research Institute  
Toyama Industrial Technology Center)