

## Yamaguchi-Ube Medical Innovation Cluster

### Outline of the Project

The aim of Yamaguchi-Ube Medical Innovation Cluster (YuMiC) is to develop next-generation non-invasive/minimally invasive medical diagnostic and therapeutic equipments by applying three core-technologies originally developed at Yamaguchi University, light emitting diode (LED) technology for illumination, high accuracy micro-fabrication technology, and human-sensing technology. YuMiC also aims to incubate medical-equipment-industries in Yamaguchi-Ube area by clustering the individual university-industry joint R&D projects. The activity of YuMiC covers wide varieties of minimally invasive medical equipments and systems. Our main R&D targets are the next-generation endoscopes and opto-therapeutic equipments that are being developed based upon our strong LED technology and related ones. Several other R&D projects of YuMiC are concerning medical equipments that help medical doctors in medical diagnosis, treatment and surgery.

### Members of the Headquarters

- Project Director..... UCHIUMI Shinichiro
- Research Director..... TAGUCHI Tsunemasa (Prof., Yamaguchi Univ.)
- Science and Technology Coordinator..... OSHIMA Tokio KUSUMI Sadao

**Central Project Organization** Yamaguchi Industrial Promotion Foundation

**Core Institute(s)** Yamaguchi Univ. : Collaborative Research Center, School of Medicine, Faculty of Engineering

**Participants**

Industry...Mitsubishi Cable Industries,Ltd., Choshu Industry Co.,Ltd.,  
Sanyo Hightec Co.,Ltd., Fujii Electric Ind. Co.,Ltd.,  
Fujinon Toshiba ES Systems Co.,Ltd., ALMOULD CO.,LTD., Sanjo Seiki Co.,Ltd.,  
Forza, Ltd., Medico's Hirata Inc., Honda Electronics Co.,Ltd.,  
CORE CORPORATION, Viste Corp., GLORY LTD., Ecomas Co.,Ltd.,

Institute...Yamaguchi Univ., Ube National college of Technology

Government...Yamaguchi Prefectural Industrial Technology Institute

**Main Researchers**

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