



Takashi Obi Lab

Medical information/image processing technology supporting aging society

Lab. for Future Interdisciplinary Research of Sci. and Tech.
Advanced research center for Social Information Sci. and Tech.

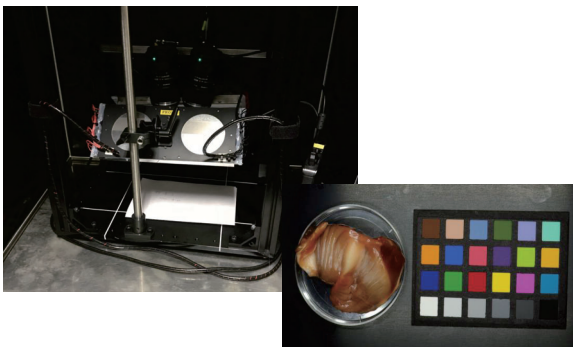
<http://www-obi.isl.titech.ac.jp>

- Image processing technology to realize health society
- Technology utilizing medical health information
- Technology for medical information sharing
- Technology for National eIDAS

We are researching and developing medical image/Information processing technology that are necessary for the aging society in Japan.

The image processing technology required for new medical equipment such as the head mount PET and multispectral pathological imaging system and medical data analysis technology based on quality data to support individuals.

In addition, we are developing network technology and National identity and verification technology. The research result of our laboratory is the VPN technology currently used in the medical field and the authentication technology required to realize the online insurance qualification check using My Number card introduced from 2020.



Improvement of diagnostic accuracy using the high definition macro pathology images
Consideration for Realization of Mobile JPKI

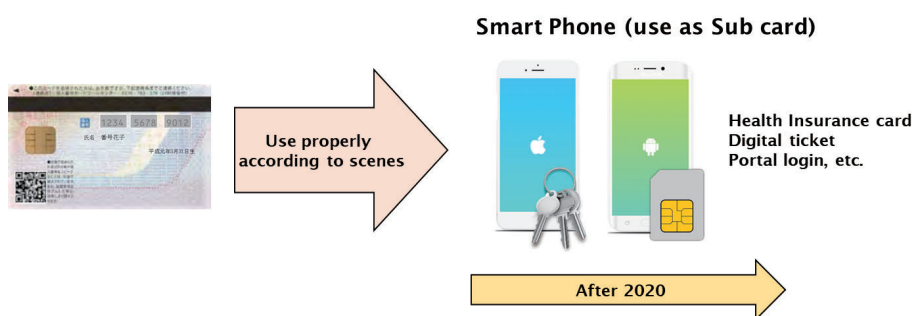
Cooperate with in-hospital system with Wi-Fi, Bluetooth etc.

- Patient identification
- Physician qualification

My Number Card (sample) Healthcare PKI Card (Professional Card) (sample)

Android Smart Phone Secure Gateway (Secure Module)

Development of smart terminal for medical insurance qualification-



Development of Mobile JPKI