Medical Instrument (Biomedical Information)

1. Staffs and Students (April, 2012)

Associate Professor Tomoyuki KANEKO

2. Purpose of Education

Medical instrument (Biomedical information) is a branch of institute of biomaterials and bioengineering which deals with the measurement of epigenetic information and memorization stored in living system such as brain (neural network system), immune system, and cardio systems caused by environmental hysteresis. Main objective of medical instrument in the graduate course is to provide students opportunity to study fusion of latest technologies of nano- and bio-tech, and to develop artificial organ model on chip for drug discovery and toxicology use.

3. Research Subjects

1) Studies on Epigenetic Information Stored Living System.
3) Bio-computing using “Real Neural Network on Chip”.

4. Publications

Original Articles


Meetings


