

## Overview of Biomedical Engineering

In the current situation where the birthrate is declining and the population is aging rapidly, the realization of advanced medical development systems such as minimally invasive diagnosis / treatment, molecular-targeted drug discovery, and regenerative medicine, that is, life innovation, is one of the major issues of human society. Life innovation is a complex intertwining of multiple elements, and it is unlikely that it can be achieved with a single discipline, and collaboration and fusion of multiple disciplines is essential. In this lecture, we invite medical researchers on campus who are conducting cutting-edge research in the field of fusion of medicine and engineering, and lecturers outside the university to give lectures on the latest research results. This will help them understand the needs and seeds of each other's fields and gain the knowledge necessary to draw a practical plan.