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Yukari Tsuji, Senior Vice President, Head of NTT Information Network Laboratory Group

▼Abstract

NTT Information Network Laboratory Group promotes research and development (R&D) of communication networks and innovative environmental and energy technologies to create a sustainable and prosperous society. Focusing on three pillars of the Innovative Optical and Wireless Network (IOWN), robust networks, and environment and energy, the laboratory group aims to contribute to building a sustainable infrastructure of an information society and provide new value. We asked Yukari Tsuji, senior vice president, head of NTT Information Network Laboratory Group, about the laboratory group's R&D strategy and her mindset as a top executive.



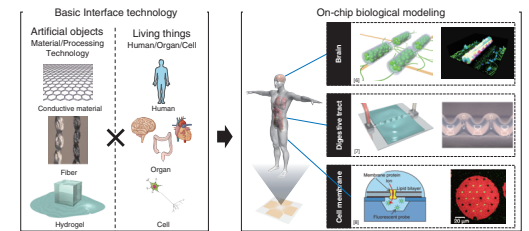
Feature Articles

Recent Updates on Bio-soft Materials Research

Materials and Sensing Technologies for Constructing On-chip Biological Models

▼Abstract

By creating unique process technologies of bio-friendly soft materials, such as hydrogels, and combining them with biomaterials, such as cells, the breadth of research and the potential for application of these technologies have dramatically increased. Under NTT's Medical and Health Vision, new basic technologies are being developed to contribute to medical care and medicine. This article introduces the latest developments in bio-soft materials research at NTT Basic Research Laboratories.



Feature Articles

Urban DTC for Creating Optimized Smart Cities Attentive to the Individual

Creating Smart Cities through Digital Twins

▼Abstract

We describe our initiatives in creating smart cities using digital twin (DT) technology. In these Feature Articles on Urban DTC for Creating Optimized Smart Cities Attentive to the Individual, we first outline the concept of a totally optimized smart city. We then describe a variety of services that use digitalized data and artificial intelligence (AI), an integrated platform that achieves total optimization by interlinking those services, examples of services that link areas over a wide region, and the AI value platform that makes it easy to provide such cross-domain services.

