



# Subcommittee on Modality

- **Leadership organization:** Manufacturing Technology Association of Biologics (MAB)
- **Coordinators:** Prof. Kazuhisa Uchida (Kobe U/MAB/BCRET), Dr. Sei Murakami (MAB), Prof. Takeshi Omasa(Osaka U/MAB)(coordinating officer)

Subcommittee	Social Issues Area	Content of Efforts	Leadership organization	Remarks
Modality	Healthcare	Manufacture of antibodies, gene therapy products, and vaccines	Manufacturing Technology Association of Biologics (MAB)	AMED · NEDO



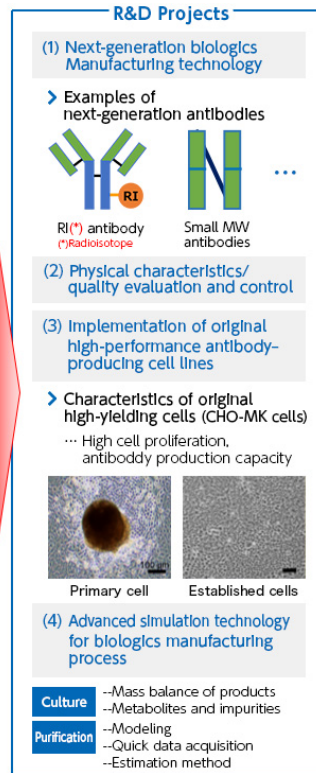
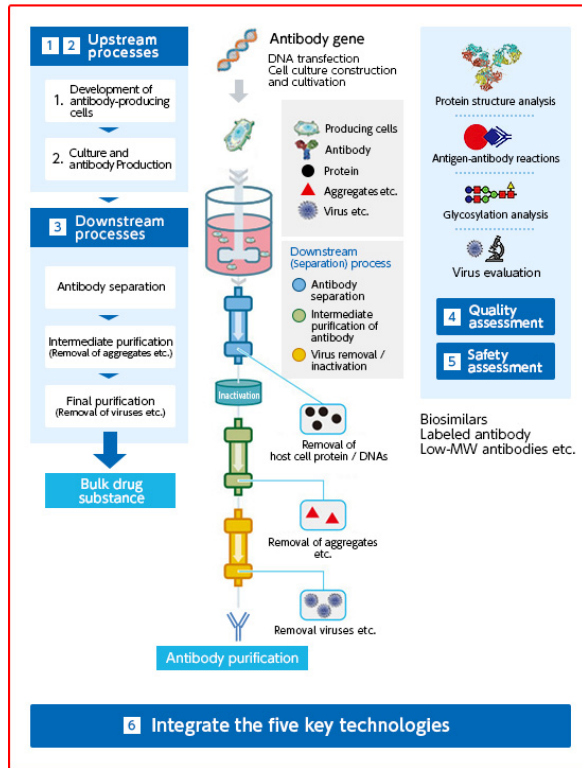
※Coordinator; **Prof. Kazuhisa Uchida** (Kobe U/MAB/BCRET), **Dr. Sei Murakami** (MAB), **Prof. Takeshi Omasa** (Osaka U/MAB) (coordinating officer)

<http://cho-mab.or.jp/>

**MEMBERS:** ABLE Corporation, ASAHI CHEMICAL CO., LTD., Asahi Kasei Medical Co., Ltd., CellFiber Co., Ltd., Chitose Laboratory Corp., chromocenter Inc., Cultivecs Inc., DAIICHI SANKYO COMPANY LIMITED, Epistra Inc., FUJIFILM Wako Pure Chemical Corporation, FUJIMORI KOGYO CO., LTD., GlycoTechnica Ltd., Hitachi, Ltd., Ina Research Inc., JNC CORPORATION, KANEKA CORPORATION, Kohjin Bio Co., Ltd., Kyoto Monotech Co., Ltd., Kyowa Kirin Co., Ltd., MOCHIDA PHARMACEUTICAL CO., LTD., MORIMOTO-PHARMA CO., LTD., NIKON CORPORATION, Nippon Zenyaku Kogyo Co., Ltd., On-chip Biotechnologies Co., Ltd., SHIMADZU CORPORATION, Synplogen Co., Ltd. Takara Bio Inc., TOKIWA-Bio Inc., TOKYO KEISO CO., LTD., Toray Industries, Inc., Tokyo Chemical Industry Co., Ltd., U-Medico Inc., ViSpot Inc., YAMASA CORPORATION, YMC CO., LTD., Yokogawa Electric Corporation, Kobe University, Kyushu University, Osaka University, Tokushima University, Yamaguchi University, National Center for Child Health and Development, National Institute of Advanced Industrial Science and Technology, BIOLOGICS CENTER FOR RESEARCH AND TRAINING, Japan Bioindustry Association, The Research Foundation for Microbial Diseases of Osaka University

\*As of April 1, 2022 : 36-Companies, 5-Universities, 2-National Research and Development Agencies, 3-Organizations

Next generation antibody manufacturing



Vector Manufacturing for Gene & Cell Therapy

