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# Glycoscience: Basic Science to Applications

Insights from the Japan Consortium for Glycobiology and Glycotechnology (JCGG)

- Explores how glycoscience research promises to shed light on important basic science issues
- Discusses exciting new applications expected to emerge over the coming decade
- Written by more than 150 participants in The Japan Consortium for Glycobiology and Glycotechnology

This book presents the state of the art in glycoscience and proposes a road map for the coming decade, focusing on the potential of glycoscience research to shed light on important basic science issues and give rise to exciting new applications, especially in the field of diagnosis and therapeutics. Individual sections offer in-depth coverage of various topics relating to glycans and biopharmaceuticals, glycans in medical science and medicine, glycan technologies, glycans in food and nutrients, and glycan-related materials and their uses. In addition, the book presents an exemplary training course on glycomics and highlights educational and analytical web resources, and also includes glossaries and boxes summarizing key facts to ensure ease of understanding for non-expert readers and students. Written by more than 150 active participants in the Japan Consortium for Glycobiology and Glycotechnology (JCGG), whose goal is to promote the development of interdisciplinary glycoscience and establish a global network in the field, it is a valuable resource for students, postdocs, and researchers in the life sciences as well as for stakeholders and professionals in government, funding agencies and industry.

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