

The 98th Annual Meeting of the Japanese Biochemical Society Presentation Topics

大項目(英)	小項目(英)
01: Glycobiology	1) Glycoproteins
	2) Glycolipids
	3) Proteoglycans
	4) Lectins
	5) Carbohydrate-related enzymes
	6) Classification 01 in general
02: Lipid Biology	1) Lipid metabolome
	2) Sphingophospholipids
	3) Glycerophospholipids
	4) Bioactive lipids
	5) Steroids, cholesterol and lipoproteins
	6) Fatty acids, glycerides and neutral lipids
	7) Classification 02 in general
03: Proteins	1) Structural biology, prediction of function and drug design
	2) Protein modification
	3) Protein folding, quality control and chaperone
	4) Proteolysis
	5) Classification 03 in general
04: Enzymes and Metabolism	1) Catalytic mechanism, regulatory mechanism and inhibitory mechanism
	2) Enzymes (Oxidoreductases and related enzymes)
	3) Enzymes (Metalloenzymes and heme enzymes)
	4) Enzymes (Hydrolytic enzymes)
	5) Coenzymes, vitamins and biofactors
	6) Metabolism and xenobiotic metabolism
	7) Classification 04 in general
05: Redox and Energy Conversion	1) ROS generation, oxidative stress and redox regulation
	2) Ion transport and bioenergetics
	3) Electron transport chain
	4) Mitochondria
	5) Glycolysis
	6) Redox associated diseases
	7) Classification 05 in general
06: Cell Structure and Function	1) Membrane transporter
	2) Adhesion, motility, extracellular matrix and cytoskeleton
	3) Structure, function and biogenesis of organelles
	4) Intracellular traffic systems (Vesicular transport etc.)
	5) Classification 06 in general
07: Cellular Response	1) Cell surface receptors, ion channels
	2) Extracellular signal molecules (Hormone, Bioactive substance, etc.)
	3) Biological interactions (Symbiotic and pathogenic microorganisms, insects, etc.)
	4) Autophagy
	5) Cell death (Apoptosis etc.)
	6) Stress response
	7) Ubiquitin, Proteasome
	8) Cell adhesion, Metastasis, Homing
	9) Environmental biology
	10) Classification 07 in general
08: Signal Transduction	1) Nuclear receptors
	2) Protein kinases and phosphatases
	3) G proteins
	4) Intracellular signaling molecules
	5) Signal Regulation Molecules
	6) Growth factor and cytokine
	7) TGF β family
	8) Wnt family
	9) Classification 08 in general
09: Cell Cycle, Development	1) Cell cycle, cell division and polarity
	2) Early development, Morphogenesis and growth control
	3) Stem cell and cell differentiation
	4) Classification 09 in general
10: Genetic Information and Expression	1) Structure and function of chromosome and nucleus
	2) DNA replication, recombination, mutation and repair
	3) Transcription and its regulation
	4) Chromatin and epigenetics
	5) RNA processing, transport, translation and degradation (including non-coding RNA)
	6) Classification 10 in general
11: Frontier Sciences and Technology	1) Ome research and analysis technology
	2) Single molecule biochemistry, single cell biochemistry, imaging and biosensor
	3) Systems biology
	4) Chronobiology, sleep, photoperiodism and rhythm
	5) New bioactive substances
	6) Food science
	7) Evolution and biodiversity
	8) Genetic, nucleic acid, glycotechnology and cell engineering
	9) Model organisms and technology
	10) Phase separation
	11) Classification 11 in general
12: Biology of Diseases	1) Cancer
	2) Aging
	3) Endocrinological and metabolic diseases
	4) Hereditary diseases
	5) Diseases in general
	6) Life style-related diseases
	7) Molecular diagnosis, laboratory medicine, etc.
	8) Classification 12 in general
13: Neuroscience	1) Development of neural networks
	2) Synaptic transmission and plasticity, receptors and channels and the sensory system
	3) Substance metabolism and signal transduction
	4) Behavior, cognition and biological rhythms
	5) Nervous and mental disorders
	6) Classification 13 in general
14: Immunity and Infection	1) Cellular immunology and immune regulation
	2) Host defense and infectious diseases
	3) Inflammation
	4) Cytokine
	5) Immunology and Structural biology
	6) Immune sensors and signals
	7) Cancer and Immunity
	8) Microbiome
	9) Classification 14 in general
15: Medical Innovation	1) Regenerative medicine (Stem Cells and iPS cells)
	2) Regenerative medicine (Tissue engineering and matrix engineering)
	3) Biochemistry in neuronal degenerative diseases
	4) Biochemistry in chronic inflammation
	5) Chemical biology, screening, and drug development
	6) Nucleic acid-, protein- and antibody-engineering and drug development
	7) Information science and drug development
	8) New developments in model organisms
	9) Classification 15 in general
16: Plant Biology	1) Plant ome research
	2) Plant organelle, cell and organogenesis
	3) Environmental response and photosynthesis
	4) Plant-pathogen interactions
	5) Plant intracellular signal reception and transduction
	6) Classification 16 in general
17: Science Communication, Education, Moral Ethics and Policy	1) Science communication, education, moral ethics, and policy
	2) Gender equality
	3) Study abroad, young people's forum, others