The 94th Annual Meeting of the Japanese Biochemical Society
Presentation Topics

Classifications	Topics
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) 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) Biological interactions (Symbiotic and pathogenic microorganisms, insects, etc.)
	2) Autophagy
	3) Cell death (Apoptosis etc.)
	4) Stress response
	5) Environmental biology
	6) Classification 07 in general
08: Signal Transduction	1) Membrane receptors and ion channels
	2) Extracellular signaling molecules (Bioactive substances, hormones, etc.)
	3) Nuclear receptors
	4) Protein kinases and phosphatases
	5) G proteins
	6) Intracellular signaling molecules
	7) 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) Drug discovery, bioactive compounds and food science
	6) Evolution and biodiversity
	7) Genetic, nucleic acid, glycotechnology and cell engineering
	8) Classification 11 in general
12: Biology of Diseases	1) Cancer
	2) Aging and life style-related diseases
	3) Endocrinological and metabolic diseases
	4) Hereditary diseases
	5) Diseases in general
	6) Molecular diagnosis, laboratory medicine, etc.
	7) 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) Immunopathy
	5) Classification 14 in general

The 91st Annual Meeting of the Japanese Biochemical Society
Presentation Topics

Classifications	Topics
15: Medical Inovation	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) Classification 15 in general
16: Plant Biology	1) Plant ome research
	2) Plant organelle, cell and organogenesis
	3) Environmental response and photosynthes
	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, policy and others