ASBMB Spotlight Sessions – New in 2017!
Submit your research to the ASBMB (topics with 2000-series numbers) and put a “spotlight” on your discoveries! Opportunities to present short oral presentations are available Sunday through Tuesday, during the ASBMB’s afternoon series of Spotlight Sessions. We are looking for the most exciting and compelling research across the field of biochemistry and molecular biology to “spotlight” in Chicago.

Submit to an ASBMB topic category (number 2000-2324) by Nov. 17.
The Nov. 17 deadline is firm and will not be extended.

2000-ASBMB GENOME DYNAMICS: DNA REPLICATION, REPAIR AND RECOMBINATION
2001-ASBMB DNA Structure and Topology
2002-ASBMB DNA Replication
2003-ASBMB DNA Polymerases, Replicases and Replisomes
2004-ASBMB DNA Damage
2005-ASBMB DNA Repair
2006-ASBMB DNA Recombination
2007-ASBMB Telomeres and Telomerase

2020-ASBMB CHROMATIN STRUCTURE AND GENE EXPRESSION
2021-ASBMB Chromosomes
2022-ASBMB Chromatin Structure, Remodeling and Assembly
2023-ASBMB Epigenetic Modifications of DNA and RNA
2024-ASBMB Histone Modifications
2025-ASBMB Transcriptional Assemblies and Mechanisms
2026-ASBMB Transcriptional Regulation
2027-ASBMB Transcriptomics
2028-ASBMB Riboswitches

2040-ASBMB RNA: PROCESSING, TRANSPORT, AND REGULATORY MECHANISMS
2041-ASBMB RNA Polymerases
2042-ASBMB RNA Binding Proteins
2043-ASBMB RNA Structure, Folding, and Dynamics
2044-ASBMB Non-coding RNAs
2045-ASBMB CRISPR: Methods and Applications
2046-ASBMB RNA Processing and Editing
2047-ASBMB Catalytic RNA
2048-ASBMB RNA Turnover
2049-ASBMB RNA Transport and Localization

2060-ASBMB PROTEIN CHEMISTRY, SYNTHESIS AND TURNOVER
2061-ASBMB Ribosomes
2062-ASBMB Mechanisms and Regulation of Protein Synthesis
2063-ASBMB tRNA and tRNA Synthetases
2064-ASBMB Protein Interactions and Binding
2065-ASBMB Protein Modifications
2066-ASBMB Protein Structure and Biophysics
2067-ASBMB Protein Folding and Chaperones
2068-ASBMB Protein Dynamics and Fluctuations
2069-ASBMB Protein Misfolding and Aggregation
2070-ASBMB Intrinsically Disordered Proteins and Amyloids
2071-ASBMB Protein Turnover and Quality Control
2072-ASBMB Ubiquitin Pathway and Targeting
2073-ASBMB Proteasomes: Structure and Regulation
2074-ASBMB Proteolytic Enzymes and Inhibitors

2080-ASBMB BIOMOLECULAR CATALYSIS
2081-ASBMB Chemistry of Catalysis
2082-ASBMB Enzyme Mechanisms, Kinetics and Energetics
2083-ASBMB Structural Dynamics of Enzymes
2084-ASBMB Enzyme Regulation and Allostery
2085-ASBMB Multienzyme Complexes
2086-ASBMB Membrane Enzymes
2087-ASBMB Cytochrome P450
2088-ASBMB Enzyme Inhibitors and Drug Design
### ASBMB Topic Categories

#### Chemical Biology, Drug Discovery and Bioanalytical Methods
1. **2100-ASBMB**: Drug Screening and Development
2. **2101-ASBMB**: Chemical Biology of Natural Products and Small Molecules
3. **2102-ASBMB**: Chemical Biology of Nucleic Acids

#### Systems Biology Technologies and Applications
1. **2120-ASBMB**: Nucleic Acids Sequencing
2. **2121-ASBMB**: Microarray Technologies
3. **2122-ASBMB**: siRNA, shRNA and CRISPR Technologies
4. **2123-ASBMB**: Genomics
5. **2124-ASBMB**: Transcriptomics

#### Signal Transduction and Cellular Regulation
1. **2140-ASBMB**: Growth Factor and Cytokine Signaling
2. **2141-ASBMB**: Hormone and Nuclear Hormone Signaling
3. **2142-ASBMB**: Plant Hormones and Signaling
4. **2143-ASBMB**: Extracellular Matrix and Cell Signaling
5. **2144-ASBMB**: G proteins and Small GTPases

#### Microbial Systems and Parasitology
1. **2180-ASBMB**: Bacterial Communication
2. **2181-ASBMB**: Microbe-Host Interactions
3. **2182-ASBMB**: Plant-Microbe Interactions
4. **2183-ASBMB**: Parasite Life Cycle

#### Metabolism and Bioenergetics
1. **2200-ASBMB**: Metabolic Networks and Regulation
2. **2201-ASBMB**: Amino Acid Metabolism
3. **2202-ASBMB**: Nucleotide Metabolism
4. **2203-ASBMB**: Plant Metabolism and Biosynthetic Pathways
5. **2204-ASBMB**: Energy metabolism, oxidative phosphorylation

### Additional Topics
- Chemical Probes, Biosensors and Biomarkers
- Protein and Peptide Chemistry
- Protein Engineering and Design
- Protein-Small Molecule Interactions
- Bioanalytical and Biophysical Methods
- Nanotechnology
- Pharmacogenomics and Toxicogenomics
- Proteomics
- Global Covalent Modifications
- Metabolomics
- Systems Biology and Regulatory Networks
- Computational Algorithms and Mathematical Biology
- Apoptosis and Cell Death
- Cell Stress and Xenobiotics
- Allosteric Control of Signaling Pathways
- Signaling Integration and Crossregulation
- Spatiotemporal Control of Signaling
- Cell Motility and Migration
- Cell Cycle Control and Proliferation
- Checkpoint Mechanisms
- Mitosis and Cytokinesis
- TumorSuppressors and Tumor Drivers
- Cancer Signaling and Therapeutics
- Mechanisms of Aging
- Neurobiology and Neuronal Signaling
- Immunity
- Targeted Therapies and New Targets for Drug Discovery
- Parasite-Host Interactions
- Antibiotic Resistance
- Antibacterial Targets and Drug Discovery
- Microbiomes
- Gut Microbiomes
- Oxidative Stress and Reactive Oxygen
- Metabolism and Aging
- Metabolism and Cancer
- Metabolism and Neurodegeneration
- Metabolism and Nutrition
- Diabetes, Obesity and Metabolic Syndrome
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