**Important Dates**

- **October, 2019**: Registration and Abstracts Open
- **November 14, 2019**: Delll Nasser Award Application Due
- **November 27, 2019**: Undergraduate Travel Award Application Due
- **December 5, 2019**: Abstracts Due
- **December 5, 2019**: Early Registration Deadline
- **December 5, 2019**: TAGC Travel Award and Children's Grant Deadline
- **March 5, 2020**: Registration Deadline for Presenters
- **April 11, 2020**: Hotel Reservation Deadline
- **April 17, 2020**: Advance Registration Deadline

**PRESENTATION THEMES**

**NEW TECHNOLOGY AND RESOURCES**
- Single cell analysis
- High content imaging
- Gene editing
- CRISPR
- Organoids

**GENETICS AND PATTERNS IN DEVELOPMENT**
- Genome structure and organization
- Gene and protein networks
- Gene regulatory networks
- Computational biology
- Interactomics
- Translational
- Microarrays

**EVOLUTIONARY AND POPULATION GENETICS**
- Adaptation and natural selection
- Genomics
- Experimental evolution
- Comparative genomics
- Phylogenetics and biogeography
- Population history
- Evolution of genetic traits
- Responses to climate change

**QUANTITATIVE GENETICS**
- Gene expression analysis
- Genomics in crop improvement
- Genomics in medicine
- Complete human genome
- Statistical genetics models

**DEVELOPMENTAL GENETICS**
- Paternation
- Morphogenesis
- Apoptosis
- Embryonic and wound healing
- Tissue cells
- Musculoskeletal development
- Axon/dendrite
- Cell death

**INTRACELLULAR DYNAMICS**
- Cell cycle, cell division, apoptosis
- Signaling (intracellular and extracellular) Osmolality
- Cell polarity (cell-based vectors)
- Cell polarity
- Nuclear organization
- Stress response
- Organoids
- Autism
- Age-related macular degeneration
- Protein modification
- Metabolism and physiology

**GENDER REGULATION**
- Regulation of gene expression
- Transcriptional and post transcriptional
- Gene regulatory networks
- Epigenetics
- Chromatin structure
- RNA splicing
- Non-coding RNA (lncRNA, snoRNA, miRNA, etc.)

**DISEASE MODELS AND AGING**
- Aging
- Cancer
- Infection
- Neurodegenerative disease
- Inflammation and immunity
- Host-microbe interactions

**GENOMIC INTEGRITY**
- DNA repair and recombination
- DNA replication
- Chromatin structure and organization
- Telomeres
- Mitochondrial biogenesis
- Metabolism

**NEUROGENETICS**
- Neurodevelopment
- Neurodegeneration
- Neuroinflammation
- Neural circuits

**ETHICAL, LEGAL, SOCIAL ISSUES**
- Diversity, equity, and inclusion
- Privacy
- Ethics and technology

**BEST PRACTICES IN TRAINING AND EDUCATION**
- Certification of training
- Funding and mentorship
- Funding and internships
- Educational programs

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