

Important Dates

October, 2019	Registration and Abstracts Open
November 14, 2019	DeLill 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 Childcare Grant Deadline
March 5, 2020	Registration Deadline for Presenters
April 1, 2020	Hotel Reservation Deadline
April 17, 2020	Advance Registration Deadline



Reserve your room at a discount! Stay right at the heart of the conference—the Gaylord National Resort and Convention Center.

DeLill Nasser Award

Grad student and postdoc GSA members are eligible to apply for this travel award for \$1,000.

GSA Undergraduate Travel Awards

Undergrad GSA members are eligible to apply for this travel award.

TAGC Travel Award

These awards support travel costs for early career scientists.

TAGC Childcare Grants

These awards help offset the cost of childcare for parents and caregivers attending the conference.

PRESENTATION THEMES

NEW TECHNOLOGY AND RESOURCES

Gene/genome editing
Chemical biology
Emerging model organisms
Sequencing technologies
Single-cell genomics and proteomics
Optogenetics
Phenotyping technologies

GENOMICS AND SYSTEMS BIOLOGY

Genome structure and organization
Gene and protein networks
Gene regulatory networks
Computational biology
Heterochromatin
Transposable elements
Microbiome

EVOLUTIONARY AND POPULATION GENETICS

Adaptation and natural selection
Speciation
Experimental evolution
Comparative genomics
Phylogenetics and biogeography
Population history
Ecological genetics
Response to climate change

QUANTITATIVE GENETICS

Gene-environment interactions
Gene-gene interaction (epistasis)
Genomic selection/prediction
Complex trait genetics
Statistical genetics methods

DEVELOPMENTAL GENETICS

Patterning, morphogenesis, and organogenesis
Regeneration and wound healing
Stem cells
Meiosis and germline development
Sex determination
Cell death

INTRACELLULAR DYNAMICS

Cell cycle, cell division, cytokinesis
Signaling (intracellular and intercellular)
Cytoskeleton
Cell motility (cilia, basal bodies)
Cell polarity
Nuclear organization
Stress response
Organelles
Autophagy and proteostasis
Protein trafficking
Metabolism and physiology

GENE REGULATION

Regulation of gene expression (transcriptional and post-transcriptional)
Gene regulatory networks
Epigenetics
Chromatin structure
RNA splicing
Non-coding RNAs (piRNA, siRNA, lncRNA, etc.)

DISEASE MODELS AND AGING

Aging
Cancer
Mendelian diseases
Neurodegenerative diseases
Infection and immunity
Host-microbe interactions

GENOME INTEGRITY

DNA repair and recombination
DNA replication
Chromosome segregation and centromeres
Telomeres
Meiotic recombination
Mutation

NEUROGENETICS

Behavioral genetics
Neurodevelopment
Neurotransmission
Neural circuits

ETHICAL, LEGAL, SOCIAL ISSUES

Diversity, equity, and inclusion
Privacy
Eugenics
Ethical use of technology
GMOs

BEST PRACTICES IN TRAINING AND EDUCATION

Diversification of training
Funding policies—distribution of funding; grant review
Educational practice



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TAGC 2020
The Allied Genetics Conference

METRO WASHINGTON, DC
APRIL 22–26, 2020

Connecting people, communities, and ideas.

