First Name	Last Name	Scientific Focus Area	Title	POSTCAT#
Ann-Marie	Abunyewa	Genetics and Genomics	Investigating gene- and isoform-level expression associated with sex-by-age interactions at the population level	GEN-1
Preye	Akuiyibo	Computational Biology	Enhancing BLAST Performance: Database and Algorithm Development	CMP-1
Madeleine	Ames	Genetics and Genomics	An automated imaging-based functional assessment to elucidate OCA2 variant pathogenicity in individuals with oculocutaneous albinism	GEN-2
Soukaina	Amniouel	Computational Biology	Integrative Bioinformatics for identification of disease phenotype and Biomarkers in NGLY1 Deficiency	CMP-2
Samuel	Anyaso-Samuel	Genetics and Genomics	Identifying high-dimensional genomic regulators of biological networks	GEN-3
Yuka	Aoyama	Genetics and Genomics	Late-Onset Recessive Spinocerebellar Ataxia due to GDFP2 (SCAR27): An elusive answer and a phenotype expansion	GEN-4
Nigus	Asefa	Genetics and Genomics	Changes in biological aging predict structural and vascular brain damage in older adults: Age, Gene/Environment Susceptibility – Reykjavik Study	GEN-5
Tanya	Azar	Genetics and Genomics	Obstructive Sleep Apnea in Patients with Loeys-Dietz Syndrome: A Case Series of a Rare Genetic Disorder	GEN-6
Mohammed Rizwan	Babu Sait	Cell Biology	VEGFR2 induces tyrosine phosphorylation of the scaffold protein IQGAP1	CEL-1
Cameron	Baenen	Computational Biology	Machine Vision Pipeline for Multiscale Platelet Architecture: Clot to Organelle-Level Resolution	CMP-3
Nathan	Bernhardt	Computational Biology	Molecular basis for the regulation of membrane proteins through preferential lipid solvation	CMP-4
Aislinn	Bloom	Genetics and Genomics	Common polygenic background modifies risk for asthma among individuals with primary atopic disorders	GEN-7

Brynn	Brusseau	Chemical Biology	Development of brain penetrant small molecule correctors for DYT1 dystonia	CHE-1
Raul	Cachau	Computational Biology	Rapid macromolecular structure characterization by AI hybrid methods	CMP-5
Elias	Carvalho Padilha	Chemical Biology	First-In-Human Dose Prediction of Metarrestin via Cross-Species PBPK Modeling and Evaluation in Human Plasma Samples	CHE-2
Haley	Chatelaine	Computational Biology	High reproducibility of metabolomic profiles generated using the TruQuant platform in a multi-lab “round robin” study design	CMP-6
David	Chen	Computational Biology	A neural network approach for automated wound scoring of cutaneous radiation injury on a Göttingen minipig animal model	CMP-7
Yu-Ying	Chen	Genetics and Genomics	Single-nucleus transcriptome and chromatin accessibility profiling reveals transcriptional regulatory networks of sex-specific supporting cell differentiation in murine gonads	GEN-8
Qiang	Chen	Genetics and Genomics	Multiomics study of ex vivo dorsal root ganglion reveals region-specific function of human sensory neurons	GEN-9
Elena	Cherkasova	Computational Biology	Comprehensive long-read PacBio RNA sequencing analysis of the Human Endogenous Retrovirus (HERV) transcriptome identifies novel ERVE-4 isoforms in kidney cancer	CMP-8
Jason	Cheung	Computational Biology	RARe-SOURCE(TM): An Integrated Bioinformatics Resource for Rare Diseases	CMP-9
Olivia	Cirilo	Cell Biology	Development and characterization of an ex vivo 3D salivary gland organ culture model	CEL-2
Daniel	Ciulla	Chemical Biology	The structural dynamics response (SDR) assay for the study of protein-ligand pharmacology	CHE-3
Sarah	Clatterbuck Soper	Cell Biology	PML promotes organization of nuclear f-actin to support ALT telomere maintenance	CEL-3
Ryan	Connor	Computational Biology	Expanding Access: Pre-Computed Gene Feature Counts for Human and Mouse RNA-Seq Data in SRA	CMP-10

Swapna Vidhur	Daulatabad	Computational Biology	Integrative analysis of the rare endocrine cancers using multi-omics data	CMP-11
Abigail	Davis	Chemical Biology	Quantitative high-throughput screening reveals non-steroidal activator of human Sonic hedgehog protein autoprocessing	CHE-4
Phoenix	Davis	Chemical Biology	Engineering Nanobody-Peptide Conjugates to Dissect GPCR Function in Diabetes and Obesity	CHE-5
Elizabeth	Davis	Genetics and Genomics	Systematic evaluation of commercial single cell and spatial RNA sequencing technologies for complex tissues	GEN-10
Phuong	Doan	Cell Biology	Investigation of membrane trafficking and organization at the mother centriole during primary ciliogenesis using advanced cellular imaging	CEL-4
Patricia	Dranchak	Chemical Biology	Non-mammalian disease and toxicity modeling with Caenorhabditis elegans quantitative high throughput screening (qHTS)	CHE-6
Sundus	Dwidar	Genetics and Genomics	DNA methylation patterns differ between genetically similar systemic lupus erythematosus (SLE) patients from Peru and the U.S.	GEN-11
Osafu	Egbon	Computational Biology	Spatial-ZEDNet: zero-inflated graphical modeling of exposure-induced differential expression in spatial transcriptomics	CMP-12
Fathi	Elloumi	Computational Biology	SCLC TumorMinerCDB a new interactive web-based tool for mining the genomics of Small Cell Lung Cancer patient samples	CMP-13
Daniel	Gallegos	Genetics and Genomics	The silence of the KRABs: ZFP777 and NuRD in epigenetic repression	GEN-12
Noreen	Gonzales McCurdy	Computational Biology	Protein names and attributes through Conserved Domain architectures in the Prokaryotic Genome Annotation Pipeline	CMP-14
Ruth	Hailemeskel	Genetics and Genomics	Barriers to diagnostic genetic testing delays answers for an Undiagnosed Diseases Program patient	GEN-13
Madeleine	Harris	Genetics and Genomics	Identifying small molecules that modulate recombinant Adeno-Associated Virus transgene size	GEN-14

Lisa	Hartnell	Computational Biology	Nanometer scale mapping of glycogen topography in human skeletal muscle using FIB-SEM and U-Net AI models.	CMP-15
Ashley	Henneberger	Genetics and Genomics	Addressing Information Needs of Recipients of Medically-Actionable Secondary Genomic Findings	GEN-15
Josef	Horak	Genetics and Genomics	Development of a CRISPRi Combinatorial Screening Platform for Enhanced Gene Repression	GEN-16
Chueh Hsuan Sharon	Hsu	Computational Biology	Predicting lung adenocarcinoma: A novel four-gene biomarker identified by XGBoost	CMP-16
Jason	Inman	Computational Biology	Bioinformatics analysis pipelines: a software ecosystem	CMP-17
Sankalp	Jain	Computational Biology	AI-Driven Discovery of Selective ALDH3A1 Inhibitors: A Comprehensive Medicinal Chemistry and SAR Approach	CMP-18
Binta	Jalloh	Genetics and Genomics	Urine Exosome mRNA and miRNA Profiling Using Archived Samples	GEN-17
Meagan	Jezek	Genetics and Genomics	Characterization of cell type-specific enhancers in the human pancreas using a massively parallel reporter assay	GEN-18
Rachel	Jiang	Computational Biology	Multiome single-cell atlas of the hippocampus in Alzheimer’s disease and related dementias	CMP-19
Chengfei	Jiang	RNA Biology	Systemic Identification of Functionally Conserved Long Noncoding RNA Metabolic Regulators in Human and Mouse Livers	RNA-1
Anirudh	Kesanapally	Genetics and Genomics	Genetic and phenotypic contrast in Marfan syndrome identified in the All of Us Research Program	GEN-19
Peter	Killeen	Computational Biology	Deep learning dissected: Evaluating the influence of different optimization criteria on u-net performance for 3D human muscle tissue segmentation.	CMP-20
Ju Hee	Kim	Cell Biology	Bone Morphogenetic Protein 7 Increases the Thermogenic Capacity of Human White and Brown Adipocytes	CEL-5

Ju Hee	Kim	Cell Biology	Human White and Brown Adipose Tissues Are Sites of Bile Acid Metabolism	CEL-6
Emily	Knisely-Durham	Genetics and Genomics	Mapping MATalpha1 transcription factor residues that determine binding site	GEN-20
Vamsi	Kodali	Computational Biology	Annotating eukaryotic genomes at NCBI and beyond	CMP-21
Andrii	Kopach	RNA Biology	A lysosome-associated ribosome-mTORC1 assembly regulates local protein synthesis in neurons	RNA-2
David	Kristensen	Computational Biology	NCBI Virus: automated grouping of virus segments into genomes using metadata; & virus reference sequences (RefSeq)	CMP-22
Laken	Kruger	Computational Biology	Analysis of In Vitro Profiling Data of Cosmetic Ingredients within the Tox21 10K Compound Library for Bioactivity and Potential Toxicity	CMP-23
Molly	Kulikauskas	Cell Biology	Three orthogonal cell-based assays to identify JAG1 up-regulators as potential therapeutics for Alagille Syndrome	CEL-7
Sneha	Kulkarni	RNA Biology	Investigating the role of RNA metabolism in cancer immune evasion	RNA-3
Sachin	Kumar	Computational Biology	Decision Tree analysis to understand factors influencing lactate shift in CHO cell culture development	CMP-24
Minh Thanh	La	Chemical Biology	Strategy towards the Preparation of 8-Oxo-5-(3-hydroxyphenyl)morphan: An Optimized One-pot Two-step Synthesis of α-Bromoketone Intermediate via Silyl Enol Ether	CHE-7
Wes	Lee	Chemical Biology	Quinoline-3-Carboxamides as Potent Antimalarial Agents Targeting Plasmodium falciparum PI4KIIIβ	CHE-8
Zoe	Li	Computational Biology	Integrating Machine Learning Approaches for Neurotoxicity Prediction: Combining Tox21 Assay Datasets and Chemical Structures	CMP-25
Liu	Liu	Cell Biology	Crosstalk between Gs and Gq signaling is essential for proper α-cell function	CEL-8

Yanling	Liu	Computational Biology	AI-in-the-loop approaches for complex biological problem solving: bridging computational methods and scientific insight	CMP-26
Xi	Luo	Computational Biology	Integrating qHTS and QSAR Models to Identify Safe GPCR-targeted Compounds: A Focus on hERG-dependent Cardiotoxicity	CMP-27
Hannah	Mager	Cell Biology	Effect of Trisomy 21 on oxygen consumption and hydrogen efflux in iPSC-derived microglia	CEL-9
Jessica	Maine	Computational Biology	Pharos 2.0: A Harmonized Knowledge Framework for the Understudied Human Proteome	CMP-28
Alexander	Maksiaev	Computational Biology	H5N1 avian influenza genomic surveillance in the Americas	CMP-29
Sarah	Marks	Genetics and Genomics	Contributions of defective ribonucleotide processing to a rad27 deletion mutation spectrum	GEN-21
Khyati	Mehta	Computational Biology	RaMP-DB 3.0: a relational database for human multi-omic data interpretation	CMP-30
Matthew	Menold	Computational Biology	Methods in Unique Marker Gene Selection	CMP-31
Eva	Messager	Cell Biology	Saving the Liver: PCBP1 and PCBP2 Iron Chaperones are Essential for Hepatocyte Survival	CEL-10
Logan	Miessner	Genetics and Genomics	Identifying small molecule inhibitors that modulate SMCHD1 mediated DUX4 induction in human cranial placode cells	GEN-22
Abigail	Molnar	Cell Biology	Investigating the molecular basis of NAD+ metabolism imbalance and its therapeutic applications in Fanconi Anemia	CEL-11
Mahina	Monsur	Genetics and Genomics	Exploring Genome Stability Through CNV Profiling in DNA Ligase I Mutants of S. cerevisiae	GEN-23
Keita	Morisaki	Computational Biology	Soft-labeling approach for borderline personality disorder	CMP-32

Terence	Murphy	Genetics and Genomics	The NIH Comparative Genomics Resource: An organism-agnostic ecosystem facilitating reliable eukaryotic comparative genomics	GEN-24
Shakti	Nagpal	Computational Biology	Structure-driven prediction of pharmacokinetic profiles via a whole body physiologically based pharmacokinetic (PBPK) framework	CMP-33
Meghan	Nelson	Genetics and Genomics	DNA methylation patterns in systemic lupus erythematosus associated with nephritis status	GEN-25
Deborah	Ngan	Computational Biology	Impact of chemical quality on high throughput in vitro assays – A Tox21 study	CMP-34
Nuala	O'Leary	Computational Biology	NCBI Datasets: Simplified Genomic Data Access	CMP-35
Andrew	Oler	Genetics and Genomics	Computational prioritization of deep intronic variants in an immune deficiency disease cohort for effects on splicing	GEN-26
Masato	Ooka	Cell Biology	Profiling of Environmental Heavy Metal Compound Mixtures for Their Carcinogenicity and Mechanism of Action	CEL-12
Gulberk	Ozcebe	Cell Biology	Primary Cilia-Driven Metabolic Rewiring in Lung Fibroblasts Promotes Fibrosis	CEL-13
Joshua	Pandian	Chemical Biology	Developing PREP covalent inhibitors containing 4-chloro-pyrazolopyridine (CPzP) warheads	CHE-9
Katherine	Pardo	Genetics and Genomics	Characterizing cell-type-specific isoforms using long-read transcriptomics to enhance rare disease variant detection and interpretation	GEN-27
Tanvi	Patel	Computational Biology	Integrative Multi-Omics and AI Framework to Uncover Molecular Effects of Radiation Exposure in Immune Cells	CMP-36
Kartick	Patra	Cell Biology	Hyperglycemia of diabetes disrupts vitamin C physiology in vitro and in vivo: a glucose-mediated translational stress response	CEL-14
Melanie	Pernak	Chemical Biology	Targeting RNA 3D conformations using small molecules to modulate protein expression.	CHE-10

Evelyn	Pizano	Genetics and Genomics	Epigenetic Mechanisms of Skeletal Muscle Progenitor Cell Dysfunction in Aging	GEN-28
Avril	Powell	Genetics and Genomics	Deciphering the Impact of Redox Stress: Investigating Genetic and Metabolic Drivers of Potassium Bromate Induced Mutagenesis	GEN-29
Thorsten	Prustel	Computational Biology	Timing consistency of T cell receptor activation in a stochastic model combining kinetic segregation and proofreading	CMP-37
Yanyan	Qu	Chemical Biology	A high-throughput targeted mass spectrometry assay for covalent library screening	CHE-11
Mohammad	Rahman	Cell Biology	Mitochondrial size and contact sites in mouse oocytes, as revealed by volume Electron Microscopy	CEL-15
Selvam	Raju	Chemical Biology	Evaluation of Imidazo[4,5-c]quinolin-2-imines and Their Analogues in Antimalarial Studies	CHE-12
Sandeep	Rana	Chemical Biology	A potent and selective Methotrexate based DHFR degrader suppresses leukemia progression	CHE-13
Clil	Regev	Computational Biology	ERK Activation: The Importance of Two Ordered Phosphorylation Events	CMP-38
Ibrahim Hossain	Sajal	Genetics and Genomics	Two stage mendelian randomization identifies proteomic mediators of the effects of risk factors on renal cell carcinoma	GEN-30
Neel	Sanghvi	Computational Biology	A genome-wide metabolic modeling exploration of key modifiers in the precancerous evolution of lung squamous cell carcinoma	CMP-39
Tanishka	Saraf	Chemical Biology	Biochemical proximity-based assay profiling to evaluate reproducibility in identifying high-throughput screening hits	CHE-14
Bridget	Scherer	Chemical Biology	Discovery and Optimization of LATS1/2 Kinase Inhibitors for Wound Healing	CHE-15
Najma	Shaheen	Chromosome Biology	Identification of novel proteins involved in the regulation of DNA replication and homologous recombination in Mammalian Meiosis.	CHR-1

Timothy	Sheils	Computational Biology	Rare Disease Alert System (RDAS) 2.0: Bridging Knowledge Gaps in Rare Diseases Through Centralized Graph Intelligence	CMP-40
Adam	Stine	Computational Biology	SRA Lite: Enabling Scalable and Sustainable Access to High-Throughput Sequencing Data	CMP-41
Poorani	Subramanian	Computational Biology	Introducing Nephele 3.0: NIAID's web application for microbiome analysis	CMP-42
Jian	Sun	Computational Biology	Self-supervised pre-training of vision transformers for generalizable single-cell RNA-seq cell embedding	CMP-43
Nicole	Taube	Cell Biology	HIV Therapeutics Impair Reverse Remodeling of Cardiac Physiology in the Maternal Heart: A Role for Mitochondria in Maternal Health	CEL-16
Mithlesh Kumar	Temre	Genetics and Genomics	Therapeutic potential of senolytics in conditions associated with telomere shortening	GEN-31
Renier	Van Neer	Chemical Biology	Cyclic peptide inhibitors of secreted M. tuberculosis chorismate mutase enable development of high throughput ligand displacement assays	CHE-16
Ethan	Veinbachs	Chemical Biology	Chemical strategies to study targeted deISGylation by harnessing USP18 specificity	CHE-17
Khanh	Vu	Chemical Biology	Bifunctional Cyanine Probes to Improve Antibody Tracking	CHE-18
Eleanor	Wind	Cell Biology	Function of COPI-vesicle coat proteins in senescence	CEL-17
Eleanor	Wind	Cell Biology	Function of COPI-vesicle coat proteins in senescence	CEL-18
Liang	Xu	Computational Biology	The structural heterogeneity of AKT autoinhibition	CMP-44
Juan	Yang	Cell Biology	GSK3 inhibition as a strategy to suppresses and reverse EMT in hiPSC-derived RPE cells from AMD Patients	CEL-19

Taewoo	Yang	Cell Biology	Characterization of a novel Rab-membrane trafficking pathway in multiciliogenesis using vEM	CEL-20
Adam	Yasgar	Chemical Biology	Integrating Machine Learning and High Throughput Screening to Identify High Quality Chemical Probe Candidates Targeting Aldehyde Dehydrogenases	CHE-19
Lin	Ye	Computational Biology	Leveraging QSAR Models to Identify Small Molecule Inhibitors for Enterovirus D68	CMP-45
Shabir	Zargar	RNA Biology	Oncogenic MIR17HG Expression Is Transcriptionally Regulated by PAX3::FOXO1 and MYCN in Fusion-Positive Rhabdomyosarcoma	RNA-4
Wengang	Zhang	Chemical Biology	Dynamic allostery of cyclin-CDK1/2 complexes drives phase-specific cell cycle progression and a strategy for allosteric degradation of CDK2	CHE-20
Xue Zhi	Zhao	Chemical Biology	Application of a bivalent “click” approach to target tyrosyl-DNA phosphodiesterase 1	CHE-21
Yijun	Zhou	RNA Biology	High-Throughput mRNA IVT Monitoring Using PATfix HPLC	RNA-5
Qian	Zhu	Computational Biology	Drug repurposing for scleroderma using multimodal rare disease data	CMP-46
Xingliang	Zhu	Genetics and Genomics	Topoisomerase 3B interacts with mRNA splice-regulatory factors and regulates alternative splicing	GEN-32