

ODD NUMBER POSTERS

#	NAME	PROGRAM	TALK TITLE
1	Katherine Rich	BIOF	Deep Learning-Based Risk Stratification of Low Grade Gliomas: Insights Beyond Molecular Markers
3	Nicole Knoetze	BIOF	Elucidating the regulatory logic of T-cell gene expression
5	Angela McLaughlin	BIOF	Estimation of HIV cases averted in phylogenetic clusters through pre-exposure prophylaxis
7	Meltem Eda Omur	BIOF	Characterization of gene regulatory networks and combinatorial transcription factor interactions during pancreatic β -cell differentiation
9	Ryan McLaughlin	BIOF	Recovery of a novel lineage of sulfur oxidizing denitrifiers in the Saanich Inlet water column using single-cell scaffold-anchored binning
11	Mayur Mallya	BIOF	Automatic Bevacizumab Response Prediction for Ovarian Cancer using Histopathology Images
13	Derek Tam	BIOF	Tracking clonal structure from leukemia diagnosis to relapse using mitochondrial variants
15	Nairuz Elazzabi	BIOF	Comparative Single-Nucleus Transcriptomic Analysis of Gene Co-Expression in Alzheimer's and Healthy Brains
17	Karanvir Singh	BIOF	Genetic Risk for Anorexia Nervosa and Association with General Dimensions of Psychopathology in Childhood
19	Jeffrey Tang	BIOF	CytokineFinder: benchmarking methods and databases for identifying cytokines
21	Johnathan Wong	BIOF	Fast and Memory Genome Completeness Assessment
23	Patty Ye	BIOF	Tree-structured topic modelling of single-cell gene expression data uncovers hierarchical relationships between immune cell types
25	Madison Chapel	BIOF	Simulating the Evolution of Regulatory Complexity in Eukaryotic Populations
27	Neera Patadia	BIOF	Examining Differential Expression Patterns of Drug Treatment Conditions in a Large Data Corpus
29	Amirhossein Afshinfard	BIOF	Phylter: Physlr read filter improves GoldRush genome assemblies
31	Caralyn Reisle	BIOF	Fact-Checking in Cancer Knowledge Bases Using Large Language Models
33	Ishika Luthra	BIOF	Regulatory activity is the default DNA state in eukaryotes
35	Sishir Sishir	BIOF	ASAPP - Annotation of Single-cells by Approximate Pseudo-bulk Projection
37	Tony Liang	BIOF	Nextflow Pipeline for Benchmarking Integrative Multi-Omics Methods for Disease Classification
39	Hans Ghezzi	BIOF	PUPpy: a fully automated primer design pipeline for substrain-level microbial detection and absolute quantification
41	Katie Lyle	CHEM	Biosynthesis of Pyrazole
43	Jason Wong	DUS	Precise assessment of cancer cell growth and survival by artificial intelligence
45	Jonathan Chiang	GSAT	De novo genome assembly and annotation of Aedes togoi, a saline-tolerant coastal rock pool mosquito
47	Yan Chen	GSAT	Using colonoids grown under Air-Liquid Interface (ALI) conditions to model bacterial pathogenesis at the intestinal mucosa
49	Asli Munzur	GSAT	PLASMA CELL-FREE DNA HISTONE METHYLATION ENABLES PHENOTYPIC AND CLINICAL SEGMENTATION OF METASTATIC PROSTATE CANCER
51	Eully Ao	GSAT	Exploring the impact of histone variant H2A.Z depletion on nascent transcription regulation during DNA replication stress
53	Rui Wang	GSAT	Exploring the impact of SNCA overexpression on mouse hippocampal DNA methylome and transcriptome during early and midlife
55	Desirée Kelshall	GSAT	A Bioengineered Plant Production System for the Antidiabetic Compound Montbretin A
57	Alex Marr	GSAT	Linking Genomic Structural Variations and Phenotypic Diversity of Saccharomyces cerevisiae Strains: Insights from Vineyards and Wineries
59	Rawnak Hoque	GSAT	Candidate and Genome Wide Pathway Analysis of Super Seniors
61	Yifan Yin	GSAT	Dynamic Changes in the Classical Hodgkin Lymphoma Tumor Microenvironment Using Single Cell Technologies
63	Asfar Salaudeen	GSAT	Decoding Promoter Regulatory Logic in Cancer through Random Mutagenesis Using CRISPR-Cas9 Base Editors
65	Makoto Kishida	GSAT	Characterization of CXCR5-CXCL13 axis in relapse/refractory classic Hodgkin lymphoma
67	Jiyoung Han	GSAT	Sex-influenced DNAm profiles of isolated human placental cell types
69	Megan Wolf	GSAT	Characterization of a cytochrome P450 that catalyzes the O-demethylation of lignin-derived benzoates

71	Maggie Fu	GSAT	Germline biallelic ASXL1 variants drive T-cell epigenetic and immunological dysfunction, causing combined immunodeficiency and Epstein-Barr virus-
73	Hannah-Ruth Engelbrecht	GSAT	Tick-tock Goes the Epigenetic Clock: Explorations of Biomarkers of Biological Age in the Blue Zone in Costa Rica
75	Shengsen Ding	IOP	Comparative analysis and tumorigenesis of normal human mammary cells from male and female donors
77	Cesar Ulises Monjaras Avila	IOP	Utilizing adipose-derived stem cells on decellularized bladder scaffolds for functional bladder mucosa regeneration
79	Grace Bernard	IOP	Engineering a novel CAR-T cell targeting the solid tumour target podocalyxin
81	Dylan Farnsworth	IOP	Potentiating ERK hyperactivation by targeting the proteostasis network
83	Liam Brockley	IOP	Identifying irreversible molecular changes associated with lung cancer in former smokers
85	Andy Jia	IOP	Enhancing Early Relapse Detection in Testicular Cancer through Rolling Circle Amplification of microRNA Biomarkers
87	Tsz Yin Lam	IOP	Development of PDX humanized mice model for HGSOC
89	Itzel Astiazaran	IOP	Albumin binders to improve tumor uptake of CXCR4-targeted radiopharmaceuticals in advanced prostate cancer
91	Jasper Wong	IOP	Plasmablastic lymphoma (PBL) does not depend on B-cell receptor signaling and the NF- κ B pathway
93	Fumi Inaba	IOP	Large-scale DNA Organization Identifies Aggressive Prostate Cancer in Low and Intermediate Risk Patients
95	Jessica Trejo	IOP	THE IMPACT OF EXTRACELLULAR VESICLES DERIVED FROM LUNG ADENOCARCINOMA CELLS ON CAF ACTIVATION
97	Jalal Choupani	IOP	Characterizing the role of NNMT in modulating metabolism and epigenetic reprogramming in prostate cancer lineage plasticity
99	Ariene Cabantog	IOP	Optimizing Culture Conditions of Patient-Derived Multiple Myeloma Cells
101	Kouther Noureddine	IOP	Investigating Intra-tumor Heterogeneity in Non-small Cell Lung Cancer Using Multiplexed ImmunohistoCHEM and Deep Learning
103	Marissa Foo	IOP	DNMT3A Limits Myeloid Signaling Responses In Committed T Cells During Normal And Leukemic Development
105	Zakir Tahiry	IOP	Bloody Sweet: The Role of Chondroitin Sulfate Glycocalyx in Prostate Cancer Vascularization
107	Michael Hall	IOP	Pyruvate supplementation alters metabolism and improves effector molecule expression in CD8+ T cells
109	Yingying Liu	IOP	Single-cell multi-omics profiling of Chronic Myeloid Leukemia stem and progenitor cells across disease stages
111	Hamideh Sharifi Noghabi	IOP	Integrative Analysis of Germline and Somatic DNA Repair Gene Variants in Prostate Cancer Metastasis: Identification and Functionalization of Lead Non Invasive trtDNA early detection screening in Pancreatic Ductal Adenocarcinoma
113	Sara Singh	IOP	
115	Che-Min Lee	IOP	Telmisartan-mediated myofibroblast inhibition in the tumour
117	Cathy Cozma	IOP	Leveraging mutational screening to uncover dominant Rev3 alleles as a novel synthetic lethal therapeutic strategy
119	Junbum Im	IOP	O-GlcNAc Transferase (OGT) is a novel therapeutic approach for EVI1+ AML through increased mitochondrial priming.
121	Jamie Kwon	IOP	Investigating the clinical relevance of pre- and post-treatment serum biomarkers in oropharyngeal cancer
123	Panahi	IOP	Identification of misclassified multiple myeloma patient risk subgroups with a novel biological disease stratifier
125	Yu-Chi (Serena) Chuang	IOP	The Role of SHPRH in Lung Adenocarcinoma Initiation and Development
127	Madeline Lauener	PATH	Expansion and characterization of immune suppressive CD56brightCD16-regulatory natural killer cells for chronic graft-versus-host disease (cGvHD)
129	Jessica Felix	IOP	Investigating Autophagy-related Cysteine Protease Atg4a in Drosophila melanogaster Models of Cancer
131	Juliana Sobral de Barros	GSAT	Copy Number Signatures identify therapeutic opportunities for p53 abnormal Endometrial Carcinomas
133	Andrew Galbraith	BIOF	Detection of Mitochondrial 8oxoG using Nanopore Sequencing
135	Sarthak Garg	IOP	Development and Characterization of a Novel Topotecan Liposomal Formulation
137	Meredith Clark	IOP	Repurposing Telmisartan as an Immunotherapy Adjuvant: Modulating CD8+ T Cell Activation in the Tumour Microenvironment
139	Alireza Omid		AlphaFold-Multimer captures interactions and dynamics of intrinsically disordered protein regions

EVEN NUMBER POSTERS

#	NAME	PROGRAM	TALK TITLE
2	Meingold Chan	BIOF	Analytical consideration of cell type heterogeneity in pediatric saliva for DNA methylation analyses
4	Irvin Ng	BIOF	Leveraging ML to Integrate Microbiome-Metabolome Reveals Host Disease Phenotype
6	Saber Hafezqorani	BIOF	ntEmbd: Deep learning embedding for nucleotide sequences
8	Alejandro Aguirre	BIOF	Identification of relationships between transcription factors and target genes from scientific documents using a fine-tuned PubMedBERT model
10	Tony Liu	BIOF	Time-resolved fosmid library pool selection for hydrocarbon tolerance traits in Escherichia coli
12	Alexander Adrian-Hamazaki	BIOF	Why does coexpression predict gene function?
14	Rituparna Banerjee	BIOF	Exploring B cell repertoire evolution post-vaccination via mathematical modelling and phylogenetic trees
16	Sarah Dada	BIOF	Use of long read whole genome sequencing for precision diagnosis and treatment of individuals with Autism Spectrum Disorders
18	Yolanda Yang	BIOF	Spatial transcriptomics deconvolution using marker-gene-assisted topic models
20	Shaocheng Wu	BIOF	Single-cell Characterization of Genomics and Transcriptomics in the Hodgkin and Reed Sternberg Cells
22	Sean Formby	BIOF	Biomarker prediction in wheat for Leaf rust resistance and susceptibility, a RNA-seq batch effect aware classification approach
24	Parham Kazemi	BIOF	AIEdit: polishing genome assemblies using machine learning and spaced seeds
26	Berkay Altintas	BIOF	Decoding the Epigenetics and Chromatin Loop Dynamics of Androgen Receptor-Mediated Transcription
28	Abhijit Chinchani	BIOF	Effects of tACS on electrophysiological signals are task-dependent
30	Faeze Keshavarz	BIOF	Identifying Active and Druggable Pathways in Primary and Metastatic Cancers through Application of Machine Learning Algorithms
32	Brooks Perkins-Jechow	BIOF	Predicting Autoinhibitory Protein States with AlphaFold2
34	Yukai Wang	BIOF	ChemSightTransformer (CST): a transformer architecture to achieve chemical structure de novo generation and clustering from MS/MS data
36	Denitsa Vasileva	BIOF	Identification of Sex-Specific DNA Methylation in Cord Blood
38	Alexander Morin	BIOF	Meta-analysis strategies for inference of transcriptional regulatory targets
40	Kairel Edwards	CHEM	Investigation of molecular oxygen-, pyridoxal-5'-phosphate-dependent oxidases
42	Jiahua Tan	CHEM	Attribute-Weighted Aggregation of MS/MS Reporter Ion Intensities for Protein Quantification Using Isobaric-Labeling
44	Brett Kiyota	GSAT	A scalable computing framework for whole-body mouse cell lineage reconstruction
46	Ren Takimoto	GSAT	A new highly sensitive retrospective cell clone isolation technology
48	Andras Szeitz	GSAT	Developing a volatilome detection platform for functional metagenomic screening and microbial cell factory engineering
50	Karen Ip	GSAT	Revisiting the unipolar brush cell during cerebellar embryonic development through in-silico perturbation
52	Herbert Yao	GSAT	Toward A Large-Scale Gene Regulatory Network Inference for Human Cells through Divide-And-Conquer Approach
54	Tian Liu	GSAT	Investigating the Potential Drivers of Aberrant Splicing in Acute Myeloid Leukemia
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58	Rutuja Pattanshetti	GSAT	Development of a high-throughput genome-wide method to assess Ty1 retrotransposon insertion upstream of tRNA genes in Saccharomyces
60	Marco Ho	GSAT	Modeling Group 4 Medulloblastomas (G4MBs) with Mouse Cerebellar Organoids
62	Jackson Moore	GSAT	Construction of a barcoded collection of wild and domestic Saccharomyces cerevisiae strains for competitive fitness assays using CRISPR-Cas9
64	Nick Mateyko	GSAT	Assessing the uniformity of plasmid library amplification by different culturing methods
66	Mingming Zhang	GSAT	Using Blood-based mRNA To Detect Allergen-induced Late Phase Asthmatic Response
68	Naila Adam	GSAT	Three-dimensional in situ mapping of intratumor heterogeneity
70	Ella Beraldo	GSAT	Sex Differences in Cell Composition and Epigenetic Age Acceleration Associated with Prenatal Maternal Stress in the Placenta

72	Mariah Lumpa	GSAT	The role of condensin in Ty1 retrotransposon targeting in <i>Saccharomyces cerevisiae</i>
74	Axel Hauduc	GSAT	Cell-type specific genetic-to-epigenetic relationships in the human breast
76	Ainiah Rushdiana Raquib	IOP	IDENTIFICATION OF A NOVEL INTERACTOR OF ENDOGENOUS SS18::SSX THROUGH MASS SPECTROMETRY-BASED ANALYSIS IN SYNOVIAL SARCOMA
78	Lauralie Short	IOP	In Vivo Generation of CD19 CAR T Cells by Lipid Nanoparticle Mediated mRNA Delivery
80	Christopher Dusek	IOP	Unlocking the Potential of Prostate Organoid Culturing Systems
82	Mona Orangi	IOP	Role of Innate Lymphoid Cells in Alcohol-HF Diet-Induced Chronic Steatohepatitis and Fibrosis
84	Melika Bakharzi	IOP	Defining the origins and metabolic pathways of osteoclasts in multiple myeloma
86	Leo Escano	IOP	Elucidating the immunomodulatory role of miR-210 in Acute Myeloid Leukemia
88	Lei Wang	IOP	[68Ga]Ga-ProBOMB5 - a novel 68Ga-labeled [Leu13ψPro14]bombesin analog for imaging gastrin-releasing peptide receptor expression with positron
90	Claire Dourieu	IOP	Elucidating the role of IL-33 in prostate cancer following androgen deprivation therapy
92	Devon Heroux	IOP	Repurposing disulfiram for cancer: a drug delivery and population-based approach
94	Cassandra Cui	IOP	Characterizing and targeting the interplay between the SWI/SNF chromatin remodeling complex and ASCL1 in prostate cancer lineage plasticity
96	Sabrina Skyba-Lewin	IOP	Sunflower Trypsin Inhibitor as Novel Scaffold For Development of Hepsin Inhibitor (Not set on Title and May change)
98	Elahe Shenasa	IOP	Immune Biomarkers on Tissue Microarray Cores Support the Presence of Adjacent Tertiary Lymphoid Structures in Soft Tissue Sarcoma
100	Charu Sankaran	IOP	Telomerase Activity Corresponds with T cell expansion
102	Lan Valerie Tao	IOP	Elucidating the Role of the IR-A:IR-B Ratio in Pancreatic Ductal Adenocarcinoma
104	Michelle Pewarchuk	IOP	A subset of development-associated PIWI-interacting RNAs show prognostic potential in lung cancer
106	Liam MacPhee	IOP	Overcoming aggressive EMT-driven phenotypes in t(9;11) acute myeloid leukemia through the modulation of microRNA-204
108	Betty Yao	IOP	Increased Glut1 Expression Improves Adoptive T Cell Therapy
110	shunsuke ishige	IOP	Center Detection of Overlapping Nuclei in Micrographs
112	Debajeet Ghosh	IOP	Interplay between miR-146a downregulation and high TP53 activity is associated with DNMT3A CHIP
114	Taras Shyp	IOP	STEAP1 facilitates iron transport in Ewing sarcoma to support mitochondrial activity
116	Jennifer Chan	IOP	GABARAPL2: Grim Reaper and GATEkeeper of viability in pancreatic ductal adenocarcinoma
118	Katie Baillie	IOP	Investigating dominant negative mutations in DNA2 as a model for targeted cancer therapy.
120	Jana Jajarmi	IOP	Identifying Modifiers of EGFR Induced Tumourigenesis to Develop New Therapeutic Strategies for Lung Cancer
122	Davit Khijakadze	IOP	The effect of chronic allergic stimulation on group 2 and group 3 innate lymphoid cells
124	Peipei Wang	IOP	Investigating the biological effects of outdoor air pollution on lung cancer in patients who have never smoked using an integrated genomics approach
126	Namya Sharma	MBIM	Elongation control of mRNA translation drives Group 3 medulloblastoma adaptation to nutrient deprivation
128	Yue Li		CPSF1 drives cell motility via alternative polyadenylation
130	Ho Jung Yoon	BIOF	Decoding the Effects of Air Pollution on Older Adults with COPD: A Comprehensive Transcriptomics Study
132	Jordan Yu	BIOF	Brain-Age Prediction: Systematic Evaluation of Site Effects, and Sample Age Range and Size
134	Ace Shi	IOP	Investigating the role of epigenetic regulator SUV420H2 in Neuroendocrine prostate cancer development and aggressiveness.
136	Erick Navarro-Delgado	BIOF	Modeling the genome and exposome contribution to newborn DNA methylome variability with the RAMEN package
138	Sarah Anna Okun	IOP	Characterizing the Interactome of the MET Exon 14 Oncogene in Lung Adenocarcinoma
140	Cindy Shi		Ovarian Cancer Subtype Classification and Outlier Detection