

KSHV 2021 WORKSHOP SCHEDULE		
Day 1 (Monday June 21)		
07:00 - 07:30	Welcome	
07:30 - 09:00	Virus-Host Interactions-Part I	Session I
Moderators: Britt Glaunsinger , University of California, Berkeley/HHMI, United States and Linda van Dyk , University of Colorado, Denver, United States		
07:30	Single-cell analysis of Kaposi's sarcoma herpesvirus infection in three-dimensional air-liquid interface culture model Kyle L. Jung , Un Yung Choi, Angela Park, Jae U Jung	1.1
07:45	Polycomb group proteins prevent aberrant transcription and episome clearance of KSHV Weissmann Simon , Ziegler Marion, Guenther Thomas, Grundhoff Adam	1.2
08:00	Redefining De Novo Gammaherpesvirus Infection Through High-Dimensional, Single-Cell Analysis of Virus and Host Jennifer N. Berger, Bridget Sanford, Abigail K. Kimball, Lauren M. Oko, Rachael E. Kaspar, Brian F. Niemeyer, Kenneth L. Jones, Linda F. van Dyk, Eric T. Clambey	1.3
08:15	Identification of KSHV episome docking sites on host chromosomes and regulation of active KSHV episome maintenance Ashish Kumar , Yuanzhi Lyu, Vladimir Majerciak, Michelle Salemi, Ryan R. Davis, Clifford G. Tepper, Chie Izumiya, Mel Campbell, Zhi-Ming Zheng, & Yoshihiro Izumiya	1.4
08:30	Exhaustive Functional Tiling of the KSHV Genome Identifies Essential Domains in Proteins Required for Late Gene Transcription David W Morgens , Divya Nandakumar, Allison L Didychuk, Britt Glaunsinger	1.5
08:45	Highly Multiplexed Tissue Imaging of Nucleic Acids and Proteins Resolves the Tissue Immune Organization During Viral Infections Sizun Jiang , Chi Ngai Chan, Xavier Rovira-Clavé, Han Chen, Yunhao Bai, Bokai Zhu, Erin McCaffrey, Noah Greenwald, Candace Liu, Jason L Weirather, John Paul Oliveria, Marc Bosse, Janos Demeter, Darci Philips, Nilanjan Murkherjee, Yury Golstev, David Mclwain, Michael Angelo, Jacob D. Estes, Garry P. Nolan	1.6
09:00 - 09:30	Break	
09:30 - 11:00	Clinical Epidemiology	Session II
Moderators: Rolf Renne , University of Florida, United States and Denise Whitby , National Cancer Institute, United States		
09:30	Cytokines, Chemokines, and HIV Viral Load are Associated with Recurrence of HIV-associated Kaposi's Sarcoma Owen Ngalamika , Marie Claire Mukasine, Musonda Kawimbe, Faheema Vally	2.1
09:45	The contribution of KSHV and/or EBV co-infection to COVID-19 severity and outcome in South African patients Melissa J Blumenthal , Catherine Riou, Robert J Wilkinson, Georgia Schäfer	2.2
10:00	Identification and Characterization of KSHV Glycoprotein-specific Neutralizing Antibodies in Naturally Infected Individuals David H Mulamaa , Gabriela Escalantea, Lorraine Z. Mutsvungumaa, Esther Rodriguez, Muniraju Muralia, Sheila Dollardd and Javier Gordon Ogemboa	2.3
10:15	SERIAL PROFILING OF TUMOR-INFILTRATING LYMPHOCYTES IN KAPOSI SARCOMA Edus H. Warren , Andrea M.H. Towlerton, Shashidhar Ravishankar, David G. Coffey, Peter Mooka, James Kafeero, Vésteinn Thorsson, Warren T. Phipps	2.4
10:30	Whole-genome sequencing of KSHV from patient samples: Evidence for a distinctly African Lineage Razia Moorad , Angelica Juarez, Justin T. Landis, Avery Cheves, Dirk P. Dittmer	2.5
10:45	Immune and Virus-specific Responses in Participants with Primary Effusion Lymphoma Receiving Lenalidomide, Dose-adjusted EPOCH, and Rituximab (EPOCH-R2) Kathryn Lurain , Romin Roshan, Ramya Ramaswami, Ralph Mangusan, Anaida Widell, Irene Ekwede, Joseph Ziegelbauer, Thomas S. Uldrick, Denise Whitby, Robert Yarchoan, and Laurie T. Krug	2.6
11:00 - 11:30	Break	
11:30 - 1:00	Immunity and Vaccine	Session III

Moderators: Blossom Damania , University of North Carolina at Chapel Hill, United States, and S. J. Gao , University of Pittsburg, United States		
11:30	ADAR1 Facilitates KSHV Lytic Reactivation by Modulating the RLR-Dependent Signaling pathway Huirong Zhang , Guoxin Ni, Blossom Damania	3.1
11:45	N6-methyladenosine (m6A) Mediate Innate Immune Response During Bacteria and Viral Infections Jian Feng , Teng Zhang, Océane Sorel, Wen Meng, Xinquan Zhang, Yidong Chen, Yufei Huang and Shou-jiang Gao	3.2
12:00	Viral miRNA target identification reveals a surprising role for EWSR1 in germinal center B cell responses Yiping Wang , Emily R. Feldman, Whitney L. Bullard, Scott A. Tibbetts	3.3
12:15	Vaccination with a Replication-Dead Gammaherpesvirus Protects against Wild-Type Virus Replication, Reactivation, and Disease in Mice Wesley A. Bland, Shana Owens, Kyle McEvoy, Chad H. Hogan, Luciarita Boccuzzi, Varvara Kirillov, Camille Khairallah, Brian Sheridan, J. Craig Forrest, Laurie T. Krug	3.4
12:30	Investigating the activation of host caspases during KSHV lytic infection as a mechanism of immune evasion Rachel C. Lent , Tate Tabtieng, Richard Lavin, Marta M. Gaglia	3.5
12:45	Kaposi's sarcoma-associated herpesvirus (KSHV) specific IFN- γ T cell responses in HIV seronegative individuals from rural Uganda Angela Nalwoga , Romin Roshan, Kyle Moore, Vickie Marshall, Wendell Miley, Nazzarena Labo, Marjorie Nakibuule, Stephen Cose, Robert Newton, Rosemary Rochford and Denise Whitby	3.6

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Day 2 (Tuesday June 22)			
07:00 - 08:30		Virus-Host Interactions-Part II	Session IV
Moderators: <u>Paul Lieberman</u> , Wistar Institute, United States, and <u>Jennifer Totonchy</u> , Chapman University, United States			
07:00	NDRG1 facilitates lytic replication of Kaposi's sarcoma-associated herpesvirus by maintaining the stability of the KSHV helicase Lianghui Dong , Jiazhen Dong, Min Xiang, Ping Lei, Zixian Li, Fang Zhang, Xiaoyi Sun, Danping Niu, Lei Bai, Ke Lan	4.1	
07:15	Kaposi's sarcoma-associated herpesvirus processivity factor (PF-8) promotes PARP1 degradation and lytic replication by recruiting cellular E3 ubiquitin ligase CHFR Woo-Chang Chung, Seungrae Lee, Yejin Kim, and Moon Jung Song	4.2	
07:30	A Cytoplasmic Histone Deacetylase Regulates Reactivation of Kaposi's Sarcoma-associated Herpesvirus Helena Mello and David M. Lukac	4.3	
07:45	An in-depth analysis of the subcellular localization of the KicGAS (KSHV inhibitor of cGAS) protein in KSHV Siming Ma , Noah Benschel, John Henriques, Linhui Li, Jianjun Wu, Hongyu Zhang, Michael Wrobel, Arianna Broad, Debipreeta Bhowmik, Ruiming Hu, Hryhotiy Zhoba, Fanxiu Zhu	4.4	
08:00	Interferon-induced transmembrane proteins inhibit infection by the gamma2-herpesviruses KSHV and RRV in a cell type-specific manner Bojan F. Hörnich, Anna K. Großkopf, Candice J. Costa, Sarah Schlagowski, Alexander Hahn	4.5	
08:15	Establishing the role of plasma cells in early KSHV infection in B lymphocytes Romina Nabiee, Nedaa Alomari, Feryal Aalam, Jennifer E. Totonchy	4.6	
08:30 - 09:00 Break			
09:00 - 10:30		Processes of Viral Latency	Session V
Moderators: <u>Erle Robertson</u> , University of Pennsylvania, United States, <u>Scott Wong</u> , Oregon Health Science University, United States			
09:00	The Role of Subnuclear Compartments in KSHV latency establishment Romina Vargas-Ayala , Thomas Günther, Adam Grundhoff	5.1	
09:15	KSHV-encoded vCyclin can modulate HIF1 α levels to promote DNA replication in hypoxia Rajnish Kumar Singh , Yonggang Pei, Dipayan Bose, Zachary L Lamplugh, Kunfeng Sun, Yan Yuan, Paul Lieberman, Jianxin You, and Erle S Robertson	5.2	
09:30	A KSHV LANA Repeat Element Demonstrates Selective Binding and Mediates Viral Persistence Franceline Juillard, Marta Pires de Miranda, Shijun Li, Aura Franco, Andre Seixas, Bing Liu, Angel L. Alvarez, Min Tan, Agnieszka Szymula, J. Pedro Sima, Kenneth M. Kaye	5.3	
09:45	Identification of Nitrotyrosine and LANA Nuclear Bodies in KS Tumors Olga Vladimirova, Alessandra De Leo, Zhong Deng, Andreas Wiedmer, James Hayden, Salum J. Lidenge, Andrew V. Kossenkov, For Yue Tso, Owen Ngalamika, John Ngowi Richards, Julius Mwaiselage, John T. West, and Charles Wood, and Paul M. Lieberman	5.4	
10:00	A panel of KSHV recombinant viruses targeting the polycistronic kaposin locus for precise analysis of individual protein function Mariele Kleer , Grant MacNeil, Eric S. Pringle, Julie Ryu, Craig McCormick and Jennifer A. Corcoran	5.5	
10:15	RYBP is Recruited to the KSHV Genome in PRC1-independent Manner and Represses Lytic Genes During Primary Infection See-Chi Lee1, Nenavath Gopal Naik1, and Zsolt Toth	5.6	
10:30 - 11:00 Break			
11:00 - 1:00		Poster Session I	
Anti-inflammatory agent dexamethasone suppresses KSHV-mediated oncogenesis by inducing interleukin-1 receptor antagonist Luping Chen , Shou-Jiang Gao		P1.1	
The cellular Notch1 Protein Promotes KSHV reactivation in an Rta-dependent manner		P1.2	

Jennifer DeCotiis-Mauro, Sun M. Han , Helena Mello, Corey Goyeneche, Giuseppina Marchesini-Tovar, Lianhua Jin, and David M. Lukac	
Incoming KSHV Factors Reprogram Oral Epithelial Cells during Infection Natalie Atyeo, Seung Jin Jang, Min Chae, Aria Sharma, Katherine Glickman, Thomas Hong Nguyen, Zsolt Toth, Bernadett Papp	P1.3
Uracil DNA Glycosylase of Gammaherpesvirus binds abasic site with high affinity and supports high-fidelity uracil repair with distinct motifs Yunxiang Mu , Monika Anna Zelazowska, Zaowen Chen, Joshua Plummer, Laurie Krug and Kevin M. McBride	P1.4
Role of Kaposi Sarcoma-associated Herpesvirus Glycoproteins in Viral Infection Murali Muniraju , Lorraine Z Mutsunguma, Gabriela M Escalante, Esther Rodriguez, Javier Gordon Ogembo	P1.5
Characterizing Expression and Regulation of Human and Viral Circular RNAs Takanobu Tagawa , Daniel Oh, Jerico Santos, Vishal Koparde, Kathryn Lurain, Ramya Ramaswami, Thomas Uldrick, Robert Yarchoan, and Joseph Ziegelbauer	P1.6
Phase I Study of Lenalidomide Combined with Dose-adjusted EPOCH and Rituximab (EPOCH-R2) in Primary Effusion Lymphoma in Participants with or without HIV (NCT02911142) Kathryn Lurain , Ramya Ramaswami, Anaida Widell, Irene Ekwede, Ralph Mangusan, Jomy George, Elaine S. Jaffe, Stefania Pittaluga, Maryalice Stetler-Stevenson, Mark Roth, Constance M. Yuan, Hao-Wei Wang, Vickie Ann Marshall, Denise Whitby, Thomas S. Uldrick, and Robert Yarchoan	P1.7
IKKalpha-Mediated Non-Canonical NF-kappaB Signaling is Required to Support Murine Gammaherpesvirus 68 Latency In Vivo Brandon Cieniewicz, Varvara Kirillov, Darby G. Oldenburg, Julie A. Bettke, Laurie T. Krug	P1.8
Regulation of LANA expression through the interaction of nucleolin with g-quadruplexes in the mRNA Andrew R. Zareie , Prerna Dabral, Subhash C. Verma	P1.9
A Pentameric Protein Ring with Novel Architecture Is Required for Herpesviral Packaging Allison Didychuk , Stephanie Gates, Matthew Gardner, Lisa Strong, Andreas Martin, Britt Glaunsinger	P1.10
Pomalidomide-Mediated Caspase Cleavage of K3 and K5 Prevents MHC-I Downregulation in Lytic Primary Effusion Lymphoma Cells David A. Davis , Alexandria Stream, Hannah K Jaeger, Prabha Shrestha, Hong S. Choi, Robert Yarchoan	P1.11
Targeting MYC Transcription with Small Peptide Derived from KSHV Transactivator Michiko Shimoda, Yuanzhi Lyu, Kan-Hsing Wang, Ashish Kumar, Ryan R. Davis, Chanikarn Chantarasrivong, Chie Izumiya, Clifford G. Pepper, Gustavo Barisone, and Yoshihiro Izumiya	P1.12
Regulation of Immune Surface Molecules by CDK4/6 Inhibitors in Gammaherpesvirus-infected Tumor Cells Wu Y. , Shrestha P, Heape NM, and Yarchoan R	P1.13
Characterizing Cellular Mutations in Kaposi Sarcoma Tumors Warren Phipps , Bhavneet Bhinder, Andrea Towleron, Peter Mooka, James Kafeero, Olivier Elemento, Ethel Cesarman	P1.14
Inhibition of the eIF4E-kinase MNK as a Strategy for Controlling Kaposi's Sarcoma-Associated Herpesvirus Replication Catya Faeldonea , Kevin Brackett, Carolina Arias	P1.15
Prox1-induced Lytic replication of Kaposi sarcoma herpes virus promotes Kaposi sarcoma development Joshua Jin Choi, Dongwon Choi, Eunkyung Park, Young Jin Seong, Luping Zhao, Ji-Eun Irene Yum, Il-Taeg Cho, and Young-Kwon Hong	P1.16
ORF45 is a novel inhibitor of p53-signalling encoded by Kaposi Sarcoma-associated Herpesvirus Dina Alzhanova, James O. Meyo, Angelica Juarez, and Dirk P. Dittmer	P1.17
A KSHV microRNA Downregulates Anti-Angiogenic Cellular lncRNA MEG3 in Endothelial Cells Lauren A. Gay , Daniel Stribling, Melody Baddoo, Erik Flemington, Nate Ungerleider, & Rolf Renne	P1.18
High KSHV seroprevalence among MSM Persons with HIV (PWH) in an urban safety-net health center in the southern United States; evidence of racial/ethnic disparities Sheena Knights , Susana Lazarte Maverick Salyards, Radhika Kainthla, Nazzarena Labo, Wendell Miley, Vickie Marshall, Denise Whitby, Elizabeth Chiao, Ank Nijhawan	P1.19
Evidence for multiple subpopulations of gamma herpesvirus-latently infected cells	P1.20

Justin Landis , Ryan Tuck, Yue Pan, Carson N. Mosso, Brent Eason, Razia Moorad, Steven Marron and Dirk P. Dittmer	
Systematic Analysis of KSHV Genome Sequences from a Cameroonian Kaposi's sarcoma Case-Control Study finds no Association with Disease Risk Vickie A Marshall , Nicholas C Fisher, Charles Goodman, Elena M Cornejo Castro, Sirish Khanal, Benjamin Holdridge, Abbey Thorpe, Nazzarena Labo, Isabella Liu, Kristen Stolka, Paul N'Dom, Jennifer J. Hemingway-Foday, Mahamat Abassora, Jennifer S. Smith, Neneh Sallah, Anne Palser, Paul Kellam, Brandon F Keele, and Denise Whitby	P1.21
WT1 Tumor Antigen is Overexpressed in Kaposi Sarcoma and Is Regulated by KSHV vFLIP Ayana Morales , Caitlyn Genovese, Matthew Bott, Julio Alvarez, Sung Soo Mun, Jennifer Totonchy, Archana Gautam, Jesus Delgado de la Mora, Stephanie Chang, Maite Ibáñez de Garayo, Dagmar Wirth, Marcelo Horenstein, Tao Dao, David A. Scheinberg, Paul G. Rubinstein, Aggrey Semeere, Jeffrey Martin, Margaret Borok, Thomas B. Campbell, Susan E. Krown, Ethel Cesarman	P1.22
Elucidation of Biomarkers from Kaposi's Sarcoma Transcriptomics and Validation in Tumor Tissues Sara R. Privatt, Charles Wood, John T. West	P1.23
Gene Expression Patterns in Skin and Gastrointestinal Kaposi Sarcoma Lesions Ramya Ramaswami, Takano Tagawa, Vishal Koparde, Kathryn Lurain, Ralph Mangusan, Guruswamy Mahesh, Anna Serquina, Anaida Widell, Irene Ekwede, Robert Yarchoan, Joseph Ziegelbauer	P1.24
Maternal Kaposi's sarcoma herpesvirus (KSHV) Antibodies and Risk of KSHV Seroconversion in a Cohort of Kenyan Children Katherine R Sabourin , Conner L Jackson, Wendell Miley, Nazzarena Labo, Robert Newton, Denise Whitby, Rosemary R Rochford	P1.25
Daratumumab as a Potential Treatment for Primary Effusion Lymphoma Prabha Shrestha , David A. Davis, Robert Yarchoan	P1.26
Kaposi's sarcoma-associated herpesvirus transcription regulation mechanism through interactions with non-coding (nc) 7SK RNA Shannon Harger , and Cyprian C. Rossetto	P1.27
Epigenetic reprogramming of KSHV genome during hypoxic reactivation Rajnish Kumar Singh, Dipayana Bose , Erle S Robertson	P1.28

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Day 3 (Wednesday June 23)

07:00 - 09:00

Poster Session II

Kaposi's Angiosarcoma: Epidemiological, Clinical and Pathological Studies in The Western and Eastern Regions of The Democratic Republic of Congo Mulumeoderhwa P, Chirimwami R, Manwa B, Cikomola F, Baguma M, Wassassia S, Munguakonkwa E, Paullo M, Marot L, Kabamba B, Fiasse R, Marbaix E.	P2.1
CRISPR-PITA: A CRISPR/dCas9 Based Assay to Determine Recruitment Relations Between Proteins Ido Lavi, Supriya Bhattacharya , Ola Orgil, Nir Avital, Guy Journo, Vyacheslav Gurevich and Meir Shamay	P2.2
Phosphatase PP2A promotes dephosphorylation of RTA to inhibit KSHV lytic reactivation Lei Bai , Lianghai Dong, Jiazhen Dong, Ke Lan	P2.3
Decreased Virion Production of Kaposi's Sarcoma-associated Herpesvirus (KSHV) in HMGB1 Knockout Host Cell through the Compromised Viral Gene Expressions. Su-kyung Kang , Yun Hee Kang, Myung-Shin Lee	P2.4
Transcriptome-wide siRNA screening identifies long noncoding RNA as novel epigenetic regulator for oncogenic demethylase KDM4A Wan-Shan Yang , Wayne W. Yeh, Mel Campbell, Lung Chang, Pei-Ching Chang	P2.5
Comparative Efficacy of Routine Histology, IHC, and PCR Diagnostics for KS in Africa John Ngowi Richard, Julius Mwaisielage, Fred Okuku, Diana Basemera, Lazarus Okoche, Constance Namirembe, Salum Lidenge, Susan Nabadda, Andrea Towlerton, Charles Wood, John West, Warren Phipps	P2.6
Characterization of the role of murine 2'-5'-oligoadenylate synthetase-like protein 2 (mOASL2) in murine gammaherpesvirus-68 (MHV68) infection Viktoria Vögele , Markus Stempel, Jonas Käsbach, Marco van Ham, Lothar Jänsch, Melanie M. Brinkmann	P2.7
Recruitment of phospholipase Cg1 to the non-structural membrane protein pK15 of Kaposi Sarcoma-associated herpesvirus promotes its Src-dependent phosphorylation Naira Samarina, George Ssebyatika, Tanvi Tikla , Ja-Yun Waldmann, Vittoria Nanna, Michelangelo Marasco, Teresa Carlomagno, Thomas Krey, Thomas F. Schulz	P2.8
Iatrogenic Kaposi's sarcoma after immunosuppressive therapy: a retrospective study L. Mezni , F. Elhadadi, L. Benzekri, K. Senouci	P2.9
Multiplex immunohistochemistry reveals PROX1 and SOX18 co-expression with KSHV latent and lytic markers in KS biopsies Gramolelli S. , Elbasani E., Tuohinto K., Bower M., Pellinen T., Ojala P.M.	P2.10
The cellular DNA damage response proteins SMARCAL1 and RPA are recruited by KSHV LANA and impact viral lytic replication Anika Freise , Tugce Kaman, Katharina Königfeld, David Nivia, Thomas F. Schulz	P2.11
Epidemiological Profile and Clinical Features of Kaposi Sarcoma in Rabat (Morocco). Farah El Hadadi , Line Mezni, Mariame Meziane, Laila Benzekri, Karima Senouci	P2.12
KSHV Uses Viral IL-6 to Exploit Monocyte Inflammatory Response Michiko Shimoda , Kang-Hsin Wang, Kenichi Nakajima, and Yoshihiro Izumiya	P2.13
Image-Based Analysis of Latent KSHV DNA Replication Using Engineered KSHV Sara Guevara-Plunkett, Frank Chuang, Yoshihiro Izumiya, Ken-ichi Nakajima	P2.14
Development of a concomitant surface, intracellular and RNA flow cytometry assay for detecting and phenotyping KSHV-infected cells Elena M Cornejo Castro , Mac Trubey, James Thomas, Cathi Pyle, Denise Whitby	P2.15
The role of histamine-related signaling in promoting viral lytic reactivation and oncogenesis Jungang Chen , Lu Dai, Craig Forrest, Steven Post, Zhiqiang Qin	P2.16
CRISPR Interference Efficiently Silences Latent and Lytic Viral Genes in Kaposi's Sarcoma-Associated Herpesvirus-Infected Cells Kevin Brackett , Ameera Mungale, Mary Lopez-Isidro, Duncan Proctor, Guillermo Najarro, Carolina Arias	P2.17
Influence of Cytokine Signaling on KSHV Transmission Nedaa Alomari and Jennifer Totonchy	P2.18
The Indian perspective of KSHV associated malignancy with a view of a potential natural therapeutic application Piyanki Das , Tathagata Choudhuri	P2.19

vIRF-1 interacts with the autophagy-competent mitochondrial translational elongation factor TUFM to inhibit caspase-8-mediated apoptosis Chang-Yong Choi , and Young Bong Choi	P2.20
GRWD1-WDR5-MLL2 Epigenetic Complex Mediates H3K4me3 Marks and Is Essential for KSHV-Induced Cellular Transformation Shan Wei ¹ , Lifan Liang, Xinghua Lu, Songjian Lu, Shou-Jiang Gao	P2.21
Dynamic changes in antibody repertoire of MHV68-infected B cells Monika A. Zelazowska , Joshua B. Plummer, Qiwen Dong, Yunxiang Mu, Laurie T. Krug, Kevin M. McBride	P2.22
The Portal Vertex of KSHV Promotes Docking of Capsids at the Nuclear Pores Daniela (Dana) Dünn-Kittenplon , Asaf Ashkenazy-Titelman, Inna Kalt, Jean-Paul (Moshe) Lellouche, Yaron Shav-Tal and Ronit Sarid	P2.23
Protein-RNA interactome analysis reveals wide association of KSHV ORF57 with host non-coding RNAs and polysomes Beatriz Alvarado-Hernandez , Yanping Ma, Nishi Sharma, Vladimir Majerciak, Maggie Cam, Alexei Lobanov, Jun Zhu and Zhi-Ming Zheng	P2.24
African Endemic and Epidemic Kaposi sarcoma in Tanzania: A comparative study in a cohort of 313 patients Chacha J. Mwita , Richard Ngaya, Salum J. Lidenge, For Yue Tso, John R. Ngowi, Danielle M. Shea, Gleb Haynatzki, John T. West, Charles Wood, and Julius Mwaiselage	P2.25
International epidemiology of KSHV in HIV-1 infected individuals on cART Nazzarena Labo , Wendell Miley, Thomas B Campbell for the ACTG A5175 Protocol Team, and Denise Whitby	P2.26
Pomalidomide and liposomal doxorubicin for Kaposi sarcoma +/- other KSHV diseases Ramya Ramaswami, Kathryn Lurain, Anaida Widell, Priscila Goncalves, Irene Ekwede, Ralph Mangusan, Jomy George, Seth Steinberg, Denise Whitby, Thomas S. Uldrick, Robert Yarchoan	P2.27
09:00 - 09:30	Break
09:30 - 11:00 Replication and Therapeutics Session VI	
Moderators: Dean Kedes , University of Virginia, United States and Zhi-Ming Zheng , National Cancer Institute, United States	
09:30	DNA processing by the bifunctional SOX nuclease plays a key role in KSHV genome replication and gene expression Ella Hartenian , Aaron S. Mendez , Allison L. Didychuk, Britt A. Glaunsinger
09:45	Glycoprotein M is an Essential Factor of Rhesus Macaque Rhadinovirus For Viral Egress Gavin Golas and Scott Wong
10:00	Genome-wide regulation of KSHV RNA splicing by RNA-binding protein ORF57 Vladimir Majerciak , Alexei Lobanov, Maggie Cam, and Zhi-Ming Zheng
10:15	The Expression and Nuclear Retention Element (ENE) of Polyadenylated Nuclear (PAN) RNA is not required for productive lytic replication of KSHV Isaura Vanessa Gutierre , Jacob Dayton, Shannon Harger, Cyprian C. Rossetto
10:30	Cellular kinases modulate KSHV latency maintenance Annabel Olson , Thomas Bello, Michael Lagunoff, Taran Gujral, Adam Geballe
10:45	Dual gRNA-directed CRISPR/Cas9 Targeting of ORF73 Eradicates KSHV Genomes and Virion Production Matthew S. Loftus and Dean H. Kedes
11:00 - 11:30	Break
11:30 - 1:00 Virus-Host Interactions Part-III Session VII	
Moderators: Jae Jung , Cleveland Clinic Lerner College of Medicine, United States, and Scott Tibbetts , University of Florida, United States	
11:30	Kaposi's Sarcoma-Associated Herpesvirus-Encoded circRNAs are Expressed in Infected Tumor Tissues and Are Incorporated into Virions Bizunesh Abere , Jinghui Li, Hongzhao Zhou, Tuna Toptan, Patrick S Moore, Yuan Chang
11:45	Functional Analysis of vIRF4 Circular RNA in Kaposi's Sarcoma-Associated Herpesvirus Soleil Torres , Vaibhav Jain, Lauren Gay, Daniel Stribling, Melody Baddoo, Erik Flemington, Scott Tibbetts, & Rolf Renne

12:00	Kaposi's sarcoma-associated herpesvirus induces spermidine and eIF5A hypusination for viral persistency via translation control of LANA Un Yung Choi , Jae Jin Lee, Kyle L. Jung, Shin-Ae Lee, Hye-Ra Lee, Hyungjin Eoh, Jae U Jung	7.3
12:15	Polyamine biosynthesis and eIF5A hypusination are modulated by the DNA tumor virus KSHV and promote KSHV viral infection. Guillaume N. Fiches , Ayan Biswas, Dawei Zhou, Weili Kong, Maxime Jean, Netty G. Santoso, Jian Zhu	7.4
12:30	The m6A epitranscriptomic landscape of polyadenylated nuclear (PAN) RNA Sarah Elizabeth Martin, Huachen Gan, Joanna Sztuba-Solinska	7.5
12:45	The Host Strikes Back: C19ORF66 restricts KSHV Lytic reactivation by Inducing KSHV Viral RNA Decay William Rodriguez , Timothy Mehrmann, Mandy Muller	7.6

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Day 4 (Thursday June 24)		
07:00 - 08:30		Session VIII
Virus Pathogenesis and Cancer		
Moderators: <u>Pinghui Feng</u> , University of Southern California, United States and <u>Eva Gottwein</u> , Northwestern University, United States		
07:00	A Gammaherpesviral Tegument Protein Sequesters SMC Proteins and Inhibits the DNA Damage Response Florian Full, Doris Jungnickl, Brigitte Scholz, Anna Großkopf ¹ , Alexander S. Hahn ¹ , Alexandra Herrmann, Armin Essser	8.1
07:15	The Central Role of KSHV in The Pathogenesis of African Endemic and Epidemic Kaposi's Sarcoma Salum J. Lidenge , Andrew V. Kossenkov, For Yue Tso, Jayamanna Wickramasinghe, Sara Privatt, Owen Ngalamika, John R. Ngowi, Julius Mwaiselage, Paul M. Lieberman, John T. West and Charles Wood	8.2
07:30	KSHV lytic replication plays a vital role in virus-induced lymphomagenesis during EBV co-infection Rieble Lisa , Caduff Nicole, Jung Jae J., Grundhoff Adam, Münz Christian	8.3
07:45	Cellular FLIP Protects KSHV-Infected Lymphoma Cells from TRAIL-Independent TRAIL Receptor 1-Mediated Death Signaling Neil Kuehnle , Mark Manzano, Eva Gottwein	8.4
08:00	AS1411 aptamer displays potent therapeutic potential in Kaposi's sarcoma-associated virus (KSHV)-associated Primary effusion lymphoma Miroslava Repak, Olivia Poworzek, Kumari Asha and Neelam Sharma-Walia	8.5
08:15	Viral glutamine amidotransferase (vGAT) activates phosphoribosyl-formylglycinamide synthetase (PFAS) to fuel de novo purine synthesis and tumorigenesis Ting-Yu Wang , Xiaoxi Lin, Junhua Li, Simin Xu, and Pinghui Feng	8.6
08:30 – 09:00 Break		
09:00 - 10:30		Session IX
Virus-Host Interactions-Part IV		
Moderators: <u>Michael Lagunoff</u> , University of Washington, United States and <u>Thomas Schulz</u> , Institute of Virology, Hannover, Germany		
09:00	Exosome-encased Nucleic Acids Scaffold Chemotherapeutic Agents for Targeted Tumor Delivery Ryan. P. McNamara , Anthony B. Eason, Yijun Zhou, Rachele Bigi, Jack D. Griffith, Lindsey M. Costantini, Michelle A. Rudek, Nicole M. Anders, Blossom A. Damania, and Dirk P. Dittmer	9.1
09:15	Iron Metabolism and Ferroptosis Play a Role in Kaposi Sarcoma Herpesvirus Pathogenesis and Represent Therapeutic Targets Jean K. Gustin, Ying Bai and Ashlee V. Moses	9.2
09:30	KSHV infection of lymphatic endothelial precursor cells Terri DiMaio and Michael Lagunoff	9.3
09:45	Gene Expression Changes That Define the Antiviral Activity of 25-Hydroxycholesterol Against KSHV and EBV Infections Anna P. Serquiña , Takanobu A. Tagawa, Daniel Oh, Guruswamy Mahesh, Joseph M. Ziegelbauer	9.4
10:00	BiP Activity Is Critical for KSHV Reactivation and Survival of Latently Infected B Cells Guillermo Najarro , Gil Torten ² Carolina Arias	9.5
10:15	SARS-CoV-2 proteins and anti-COVID-19 drugs induce lytic reactivation of KSHV Jungang Chen, Lu Dai, Lindsey Barrett, Steven Post, Zhiqiang Qin	9.6
10:30 – 11:00 Break		
11:00 - 12:30		Session X
Therapeutics		
Moderators: <u>Ethel Cesarman</u> , Weill Cornell Medical College, United States, and <u>Laurie Krug</u> , National Cancer Institute, United States		
11:00	High levels of LINE-1 transposable elements expressed in Kaposi's sarcoma-associated herpesvirus-related primary effusion lymphoma contribute to their proliferation Anuj Ahuja, Guy Journo, Ron Eitan, and Meir Shamay	10.1

11:15	Primary effusion lymphoma enhancer connectome links super-enhancers to dependency factors Chong Wang , Luyao Zhang, Liangru Ke, Sizun Jiang, Difei Li, Yohei Narita, Isabella Hou, Jun Liang, Shijun Li, Haipeng Xiao, Eva Gottwein, Kenneth M. Kaye, Mingxiang Teng, Bo Zhao	10.2
11:30	XPO1 is a vulnerable target of Kaposi's sarcoma and primary effusion lymphoma, and mediates innate immune response during KSHV primary infection Wen Meng , Shou-Jiang Gao	10.3
11:45	Metabolic roles of IKKepsilon in KSHV induced tumor growth Ali Can SAVAS , Mehrnaz Zarinfar, Ting-yu Wang, Chao Qin, Youliang Rao, Yongzhen Liu, and Pinghui Feng	10.4
12:00	Inflammasome activation in patients with KSHV-associated disorders Ramya Ramaswami , Silvia Lucena Lage, Kathryn Lurain, Joseph Rocco, Maura Manion, Robert Yarchoan, Irini Sereti	10.5
12:15	Targeting Metabolic Vulnerabilities in Primary Effusion Lymphoma Using the Novel Nucleoside Analog (6-ETI) Jouliana Sadek , Jan Krumsiek, Tuo Zhang, Barbara Coan, Maite Ibanez de Garao, Tanner Cole, Sara Yahyaei, Herman Van Besien, Ethel Cesarman	10.6
12:30-01:00	Meeting on Next KSHV Workshop	