

January 2021

Disrupting HIV-1 Capsid Formation Causes cGAS Sensing of Viral DNA. Rebecca P Sumner, Lauren Harrison, Emma Touizer, Thomas P Peacock, Matthew Spencer, Lorena Zuliani-Alvarez, Greg J Towers.
mBio. EMBO J. 2020 Oct 15;39(20):e103958

Presenter: Tahmina Sultana

February 2021

Influence of Dapivirine Vaginal Ring Use on Cervicovaginal Immunity and Functional Microbiome in Adolescent Girls. Christina Farr Zuend, Laura Noël-Romas, Sarah Hoger, Stuart McCorriser, Garrett Westmacott, Jeanne Marrasso, Sharon L Hillier, Charlene Dezzutti, Kathleen Squires, Katherine E Bunge, Adam Burgener.
AIDS. 2021 Mar 1;35(3):369-380.

Presenter: Yanille Scott

Origin of Rebound Virus in Chronically SIV-infected Rhesus Monkeys Following Treatment Discontinuation. Po-Ting Liu, Brandon F Keele, Peter Abbink, Noe B Mercado, Jinyan Liu, Esther A Bondzie, Abishek Chandrashekar, Erica N Borducchi, Joseph Hesselgesser, Michael Mish, Gregory Chin, Elena Bekerman, Romas Geleziunas, Dan H Barouch.
Nat Commun. 2020 Oct 27;11(1):5412.

Presenter: Gael Scholtes

March 2021

Cone-shaped HIV-1 Capsids are Transported Through Intact Nuclear Pores. Vojtech Zila, Erica Margiotta, Beata Turoňová, Thorsten G Müller, Christian E Zimmerli, Simone Mattei, Matteo Allegretti, Kathleen Börner, Jona Rada, Barbara Müller, Marina Lusic, Hans-Georg Kräusslich, Martin Beck.
Cell. 2021 Feb 18;184(4):1032-1046.e18.

Presenter: Chisu Song

Neutrophil Extracellular Traps from Healthy Donors and HIV-1-infected Individuals Restrict HIV-1 Production in Macrophages. Andrés Mojoli, Barbara Simonson Gonçalves, Jairo R Temerozo, Bruno Cister-Alves, Victor Geddes, Alice Herlinger, Renato Santana Aguiar, José Henrique Pilotto, Elvira M Saraiva, Dumith Chequer Bou-Habib.
Sci Rep. 2020 Nov 11;10(1):19603.

Presenter: Roslyn Taylor

April 2021

The Identity of Human Tissue-Emigrant CD8+ T Cells. Marcus Buggert, Laura A Vella, Son Nguyen, Vincent H Wu, Zeyu Chen, Takuya Sekine, André Perez-Potti, Colby R Maldini, Sasikanth Manne, Samuel Darko, Amy Ransier, Leticia Kuri-Cervantes, Alberto Sada Japp, Irene Bukh Brody, Martin A Ivarsson, Jean-Baptiste Gorin, Olga Rivera-Ballesteros, Laura Hertwig, Jack P Antel, Matthew E Johnson, Afam Okoye, Louis Picker, Golnaz Vahedi, Ernesto Sparrelid, Sian Llewellyn-Lacey, Emma Gostick, Johan K Sandberg, Niklas Björkström, Amit Bar-Or, Yoav Dori, Ali Najj, David H Canaday, Terri M Laufer, Andrew D Wells, David A Price, Ian Frank, Daniel C Douek, E John Wherry, Maxim G Itkin, Michael R Betts. Cell. 2020 Dec 23;183(7):1946-1961.e15.

Presenter: Sadia Samer

May 2021

Selective Cell Death in HIV-1-infected Cells by DDX3 Inhibitors Leads to Depletion of the Inducible Reservoir. Shringar Rao, Cynthia Lungu, Raquel Crespo, Thijs H Steijaert, Alicja Gorska, Robert-Jan Palstra, Henrieke A B Prins, Wilfred van Ijcken, Yvonne M Mueller, Jeroen J A van Kampen, Annelies Verbon, Peter D Katsikis, Charles A B Boucher, Casper Rokx, Rob A Gruters, Tokameh Mahmoudi. Nat Commun. 2021 Apr 30;12(1):2475.

Presenter: Aubrey Sawyer

June 2021

HIV-1 Requires Capsid Remodeling at the Nuclear Pore for Nuclear Entry and Integration. Anabel Guedán, Callum D Donaldson, Eve R Caroe, Ophélie Cosnefroy, Ian A Taylor, Kate N Bishop. PLoS Pathog. 2021 Sep 20;17(9):e1009484.

Presenter: Anwar Siddique

Impact of Anti-PD-1 and Anti-CTLA-4 on the Human Immunodeficiency Virus (HIV) Reservoir in People Living With HIV With Cancer on Antiretroviral Therapy: The AIDS Malignancy Consortium 095 Study. Thomas A Rasmussen, Lakshmi Rajdev, Ajantha Rhodes, Ashanti Dantanarayana, Surekha Tennakoon, Socheata Chea, Tim Spelman, Shelly Lensing, Rachel Rutishauser, Sonia Bakkour, Michael Busch, Janet D Siliciano, Robert F Siliciano, Mark H Einstein, Dirk P Dittmer, Elizabeth Chiao, Steven G Deeks, Christine Durand, Sharon R Lewin. Study. Clin Infect Dis. 2021 Oct 5;73(7):e1973-e1981.

Presenter: Elena Martinelli

August 2021

Pharmacological Activation of Non-canonical NF- κ B Signaling Activates Latent HIV-1 Reservoirs in Vivo. Lars Pache, Matthew D Marsden, Peter Teriete, Alex J Portillo, Dominik

Heimann, Jocelyn T Kim, Mohamed S A Soliman, Melanie Dimapasoc, Camille Carmona, Maria Celeridad, Adam M Spivak, Vicente Planelles, Nicholas D P Cosford, Jerome A Zack, Sumit K Chanda.

Cell Rep Med. 2020 Jun 23;1(3):100037.

Presenter: Shoaib Arif

Systemic HIV and SIV Latency Reversal via Non-canonical NF- κ B Signaling in Vivo.

Christopher C Nixon, Maud Mavigner, Gavin C Sampey, Alyssa D Brooks, Rae Ann Spagnuolo, David M Irlbeck, Cameron Mattingly, Phong T Ho, Nils Schoof, Corinne G Cammon, Greg K Tharp, Matthew Kanke, Zhang Wang, Rachel A Cleary, Amit A Upadhyay, Chandrav De, Saintedym R Wills, Shane D Falcinelli, Cristin Galardi, Hasse Walum, Nathaniel J Schramm, Jennifer Deutsch, Jeffrey D Lifson, Christine M Fennessey, Brandon F Keele, Sherrie Jean, Sean Maguire, Baolin Liao, Edward P Browne, Robert G Ferris, Jessica H Brehm, David Favre, Thomas H Vanderford, Steven E Bosinger, Corbin D Jones, Jean-Pierre Routy, Nancie M Archin, David M Margolis, Angela Wahl, Richard M Dunham, Guido Silvestri, Ann Chahroudi, J Victor Garcia.

Nature. 2020 Feb;578(7793):160-165.

Presenter: Shoaib Arif

September 2021

The Role of Alternative Polyadenylation in the Antiviral Innate Immune Response. Xin Jia, Shaochun Yuan, Yao Wang, Yonggui Fu, Yong Ge, Yutong Ge, Xihong Lan, Yuchao Feng, Feifei Qiu, Peiyi Li, Shangwu Chen, Anlong Xu.

Nat Commun. 2017 Feb 24;8:14605.

Presenter: Judd Hultquist

NUDT21 Links Mitochondrial IPS-1 to RLR-Containing Stress Granules and Activates Host Antiviral Defense.

Saeko Aoyama-Ishiwatari, Tomohiko Okazaki, Shun-Ichiro Iemura, Tohru Natsume, Yasushi Okada, Yukiko Gotoh.

J Immunol. 2021 Jan 1;206(1):154-163.

Presenter: Judd Hultquist

November 2021

A Possible Sterilizing Cure of HIV-1 Infection Without Stem Cell Transplantation. Gabriela Turk, Kyra Seiger, Xiaodong Lian, Weiwei Sun, Elizabeth M Parsons, Ce Gao, Yelizaveta Rassadkina, Maria Laura Polo, Alejandro Czernikier, Yanina Ghiglione, Alejandra Vellicce, Joseph Varriale, Jun Lai, Yuko Yuki, Maureen Martin, Ajantha Rhodes, Sharon R Lewin, Bruce D Walker, Mary Carrington, Robert Siliciano, Janet Siliciano, Mathias Lichterfeld, Natalia Laufer, Xu G Yu.

Ann Intern Med. 2022 Jan;175(1):95-100.

Presenter: Patrick Madden

December 2021

Rectal Tissue and Vaginal Tissue from Intravenous VRC01 Recipients Show Protection Against Ex Vivo HIV-1 Challenge. Rena D Astronomo, Maria P Lemos, Sandeep R Narpala, Julie Czartoski, Lamar Ballweber Fleming, Kelly E Seaton, Madhu Prabhakaran, Yunda Huang, Yiwen Lu, Katharine Westerberg, Lily Zhang, Mary K Gross, John Hural, Hong-Van Tieu, Lindsey R Baden, Scott Hammer, Ian Frank, Christina Ochsenbauer, Nicole Grunenberg, Julie E Ledgerwood, Kenneth Mayer, Georgia Tomaras, Adrian B McDermott, M Juliana McElrath. J Clin Invest. 2021 Aug 16;131(16):e146975.

Presenter: Ann Carias