

January 2022

HIV is associated with an increased risk of age-related clonal hematopoiesis among older adults. Nila J. Dharan, Paul Yeh, Mark Bloch, Miriam M. Yeung, David Baker, Jerick Guinto, Norman Roth, Sarah Ftouni, Katherine Ognenovska, Don Smith, Jennifer F. Hoy, Ian Woolley, Catherine Pell, David J. Templeton, Neil Fraser, Nectarios Rose, Jolie Hutchinson, Kathy Petoumenos, Sarah-Jane Dawson, Mark N. Polizzotto, Mark A. Dawson *Nature Medicine* VOL. 27 1006, June 2021, 1006–1011

Increased prevalence of clonal hematopoiesis of indeterminate potential amongst people living with HIV. Alexander G. Bick, Konstantin Popadin, Christian W. Thorball, Md Mesbah Uddin, Markella V. Zanni, Bing Yu, Matthias Cavassini, Andri Rauch, Philip Tarr, Patrick Schmid, Enos Bernasconi, Huldrych F. Günthard, Peter Libby, Eric Boerwinkle, Paul J. McLaren, Christie M. Ballantyne, Steven Grinspoon, Pradeep Natarajan, Jacques Fellay *Nature Scientific Reports* (2022) 12:577 <https://doi.org/10.1038/s41598-021-04308-2>

Presenter: Richard D'Aquila

February 2022

A highly virulent variant of HIV-1 circulating in the Netherlands. Chris Wymant, Daniela Bezemer, François Blanquart, Luca Ferretti, Astrid Gall, Matthew Hall, Tanya Golubchik, Margreet Bakker, Swee Hoe Ong, Lele Zhao, David Bonsall, Mariateresa de Cesare, George MacIntyre-Cockett, Lucie Abeler-Dörner, Jan Albert, Norbert Bannert, Jacques Fellay, M. Kate Grabowski, Barbara Günsenheimer-Bartmeyer, Huldrych F. Günthard, Pia Kivelä, Roger D. Kouyos, Oliver Laeyendecker, Laurence Meyer, Kholoud Porter, Matti Ristola, Ard van Sighem, Ben Berkhout⁶, Paul Kellam, Marion Cornelissen, Peter Reiss, Christophe Fraser *Nature* 606, 368–374 (2022) *Science* 375, 540–545 (2022) 4 February 2022

Presenter: Eun-Young Kim

April 11, 2022

First-in-human immunoPET imaging of HIV-1 infection using 89Zr-labeled VRC01 broadly neutralizing antibody. Denis R. Beckford-Vera, Robert R. Flavell, Youngho Seo, Enrique Martinez-Ortiz, Maya Aslam, Cassandra Thanh, Emily Fehrman, Marion Pardons, Shreya Kumar, Amelia N. Deitchman, Vahid Ravanfar, Brailee Schulte, I-Wei Katherine Wu, Tony Pan, Jacqueline D. Reeves, Christopher C. Nixon, Nikita S. Iyer, Leonel Torres, Sadie E. Munter, Tony Hyunh, Christos J. Petropoulos, Rebecca Hoh, Benjamin L. Franc, Lucio Gama, Richard A. Koup, John R. Mascola, Nicolas Chomont, Steven G. Deeks, Henry F. VanBrocklin & Timothy J. Henrich *Nature* 606, 368–374 (2022) *Nature Communications* (2022) 13:1219 <https://doi.org/10.1038/s41467-022-28727-5>

Presenter: Tom Hope

April 18, 2022

Prolonged viral suppression with anti-HIV-1 antibody therapy. Christian Gaebler, Lilian Nogueira, Elina Stoffel, Thiago Y. Oliveira, Gaëlle Breton, Katrina G. Millard, Martina Turroja, Allison Butler, Victor Ramos, Michael S. Seaman, Jacqueline D. Reeves, Christos J. Petropoulos, Irina Shimeliovich, Anna Gazumyan, Caroline S. Jiang, Nikolaus Jilg, Johannes F. Scheid, Rajesh Gandhi, Bruce D. Walker, Michael C. Sneller, Anthony Fauci, Tae-Wook Chun, Marina Caskey & Michel C. Nussenzweig *Nature* 606, 368–374 (2022)

Presenter: Mark Becker

May 2, 2022

T cell migration potentiates HIV infection by enhancing viral fusion and integration. Paul Lopez, Oluwaseun Ajibola, Amelie Pagliuzza, Romaniya Zayats, Wan Hon Koh, Alon Herschhorn, Nicolas Chomont, and Thomas T. Murooka *Cell Reports* 38, 110406, February 22, 2022 <https://doi.org/10.1016/j.celrep.2022.110406>

Presenter: Chisu Song

May 16, 2022

Interleukin-10 contributes to reservoir establishment and persistence in SIV-infected macaques treated with antiviral therapy. Justin Harper, Susan P. Ribeiro, Chi Ngai Chan, Malika Aid, Claire Deleage, Luca Micci, Maria Pino, Barbara Cervasi, Gopalan Raghunathan, Eric Rimmer, Gulesi Ayanoglu, Guoxin Wu, Neeta Shenvi, Richard J.O. Barnard, Gregory Q. Del Prete, Kathleen Busman-Sahay, Guido Silvestri, Deanna A. Kulpa, Steven E. Bosinger, Kirk A. Easley, Bonnie J. Howell, Dan Gorman, Daria J. Hazuda, Jacob D. Estes, Rafick-Pierre Sekaly, and Mirko Paiardini *The Journal of Clinical Investigation* 2022 Apr 15; 132(8): e155251

Presenter: Elena Martinelli

May 23, 2022

HIV-1 Evolutionary Dynamics under Nonsuppressive Antiretroviral Therapy. Steven A., Oscar J. Charles, Anne Derache, Werner Smidt, Darren P. Martin, Collins Iwuji, John Adamson, Katya Govender, Tulio de Oliveirac, Francois Dabis, the ANRS 12249 TasP Study Group, Deenan Pillay, Richard A. Goldstein, Ravindra K. Gupta *American Society for Microbiology* May/June 2022 e00269-22

Presenter: Ramon Lorenzo Redondo

September 2022

HIV envelope antibodies and TLR7 agonist partially prevent viral rebound in chronically SHIV-infected monkeys. Brian Moldt, Abishek Chandrashekar, Erica N. Borducchi, Joseph P. Nkolola, Heather Stephenson, Mark Nagel, Magdeleine Hung, Joshua Goldsmith, Craig S. Pace, Brian Carr, Nathan D. Thomsen, Wade S. Blair, Romas Geleziunas, Dan H. Barouch PLOS Pathogens April 22,2022 <https://doi.org/10.1371/journal.ppat.1010467>

Presenter: Thatiane Amaral Russo

October 2022

Limited impact of fingolimod treatment during the initial weeks or ART in SIV-infected rhesus macaques. Maria Pino, Amélie Pagliuzza, M. Betina Pampena, Claire Deleage, Elise G. Viox, Kevin Nguyen, Inbo Shim, Adam Zhang, Justin L. Harper , Sadia Samer, Colin T. King, Barbara Cervasi, Kiran P.Gill, Stephanie Ehnert, Sherrie M. Jean, Michael L. Freeman, Jeffrey D. Lifson, Deanna Kulpa Michael R. Betts, Nicolas Chomont, Michael M. Lederman & Mirko Paiardini Nature Communications | (2022) 13:5055

Presenter: Sadia Samer

October 2022

Single-cell multiomics reveals persistence of HIV-1 in expanded cytotoxic T cell clones. Jack A. Collora, Runxia Liu, Delia Pinto-Santini, Neal Ravindra, Carmela Ganoza, Javier R. Lama, Ricardo Alfaro, Jennifer Chiarella, Serena Spudich, Karam Mounzer, Pablo Tebas, Luis J. Montaner, David van Dijk, Ann Duerr and Ya-Chi Ho Immunity June 14,, 2022 <https://doi.org/10.1016/j.immuni.2022.03.004>

Presenter: Aubrey Sawyer

November 2022

Genome-wide CRISPR screens identify combinations of candidate latency reversing agents for targeting the latent HIV-1 reservoir. Weiwei Dai, Fengting Wu, Natalie McMyn, Bicna Song, Victoria E. Walker-Sperling, Joseph Varriale, Hao Zhang, Dan H. Barouch, Janet D. Siliciano, Wei Li, Robert F. Siliciano Science Translational Medicine Oct.19, 2022 eabh3351

Presenter: William Cisneros