

Virus géants: du Mimivirus au Lausannevirus

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Références

1. Birtles RJ, Rowbotham TJ, Storey C, Marrie TJ, Raoult D. Chlamydia-like obligate parasite of free-living amoebae. *Lancet*. 1997 Mar 29;349(9056):925-6.
2. Greub G, Raoult D. Crescent bodies of *Parachlamydia acanthamoeba* and its life cycle within *Acanthamoeba polyphaga*: an electron micrograph study. *Appl Environ Microbiol*. 2002 Jun;68(6):3076-84.
3. La Scola B, Audic S, Robert C, Jungang L, de Lamballerie X, Drancourt M, Birtles R, Claverie JM, Raoult D. A giant virus in amoebae. *Science*. 2003 Mar 28;299(5615):2033.
4. La Scola B, Desnues C, Pagnier I, Robert C, Barrassi L, Fournous G, Merchat M, Suzan-Monti M, Forterre P, Koonin E, Raoult D. The virophage as a unique parasite of the giant mimivirus. *Nature*. 2008 Sep 4;455(7209):100-4.
5. Moliner C, Fournier PE, Raoult D. Genome analysis of microorganisms living in amoebae reveals a melting pot of evolution. *FEMS Microbiol Rev*. 2010 May;34(3):281-94.
6. Thomas V, Greub G. Amoeba/amoebal symbiont genetic transfers: lessons from giant virus neighbours. *Intervirology*. 2010;53(5):254-67.
7. Clarke M, Lohan AJ, Liu B, Lagkouvardos I, Roy S, Zafar N, Bertelli C, Schilde C, Kianianmomeni A, Bürglin TR, Frech C, Turcotte B, Kopec KO, Synnott JM, Choo C, Paponov I, Finkler A, Heng Tan CS, Hutchins AP, Weinmeier T, Rattei T, Chu JS, Gimenez G, Irimia M, Rigden DJ, Fitzpatrick DA, Lorenzo-Morales J, Bateman A, Chiu CH, Tang P, Hegemann P, Fromm H, Raoult D, Greub G, Miranda-Saavedra D, Chen N, Nash P, Ginger ML, Horn M, Schaap P, Caler L, Loftus BJ. Genome of *Acanthamoeba castellanii* highlights extensive lateral gene transfer and early evolution of tyrosine kinase signaling. *Genome Biol*. 2013 Feb 1;14(2):R11.
8. Greub G. *Parachlamydia acanthamoebae*, an emerging agent of pneumonia. *Clin Microbiol Infect*. 2009 Jan;15(1):18-28.
9. Jacquier N, Aeby S, Lienard J, Greub G. Discovery of new intracellular pathogens by amoebal coculture and amoebal enrichment approaches. *J Vis Exp*. 2013 Oct 27;(80):e51055.
10. Tosetti N, Croxatto A, Greub G. Amoebae as a tool to isolate new bacterial species, to discover new virulence factors and to study the host-pathogen interactions. *Microb Pathog*. 2014 Dec;77:125-30.
11. Thomas V, Bertelli C, Collyn F, Casson N, Telenti A, Goesmann A, Croxatto A, Greub G. Lausannevirus, a giant amoebal virus encoding histone doublets. *Environ Microbiol*. 2011 Jun;13(6):1454-66.
12. Mueller L, Baud D, Bertelli C, Greub G. Lausannevirus seroprevalence among asymptomatic young adults. *Intervirology*. 2013;56(6):430-3.
13. Boyer M, Yutin N, Pagnier I, Barrassi L, Fournous G, Espinosa L, Robert C, Azza S, Sun S, Rossmann MG, Suzan-Monti M, La Scola B, Koonin EV, Raoult D. Giant *Marseillevirus* highlights the role of amoebae as a melting pot in emergence of chimeric microorganisms. *Proc Natl Acad Sci U S A*. 2009 Dec 22;106(51):21848-53.

14. Mueller L, Hauser PM, Gauye F, Greub G. Lausannevirus Encodes a Functional Dihydrofolate Reductase Susceptible to Proguanil. *Antimicrob Agents Chemother.* 2017 Mar 24;61(4):e02573-16.
15. Corsaro D, Feroldi V, Saucedo G, Ribas F, Loret JF, Greub G. Novel Chlamydiales strains isolated from a water treatment plant. *Environ Microbiol.* 2009 Jan;11(1):188-200.
16. Lienard J, Croxatto A, Prod'hom G, Greub G. Estrella lausannensis, a new star in the Chlamydiales order. *Microbes Infect.* 2011 Dec;13(14-15):1232-41.
17. Mueller L, Bertelli C, Pillonel T, Salamin N, Greub G. One Year Genome Evolution of Lausannevirus in Allopatric versus Sympatric Conditions. *Genome Biol Evol.* 2017 Jun 1;9(6):1432-1449.
18. Agarkova IV, Dunigan DD, Van Etten JL. Virion-associated restriction endonucleases of chloroviruses. *J Virol.* 2006 Aug;80(16):8114-23.
19. Parrish S, Hurchalla M, Liu SW, Moss B. The African swine fever virus g5R protein possesses mRNA decapping activity. *Virology.* 2009 Oct 10;393(1):177-82.
20. Bertelli C, Mueller L, Thomas V, Pillonel T, Jacquier N, Greub G. Cedratvirus lausannensis - digging into Pithoviridae diversity. *Environ Microbiol.* 2017 Oct;19(10):4022-4034.
21. Legendre M, Bartoli J, Shmakova L, Jeudy S, Labadie K, Adrait A, Lescot M, Poirot O, Bertaux L, Bruley C, Couté Y, Rivkina E, Abergel C, Claverie JM. Thirty-thousand-year-old distant relative of giant icosahedral DNA viruses with a pandoravirus morphology. *Proc Natl Acad Sci U S A.* 2014 Mar 18;111(11):4274-9.
22. Meneau I, Sanglard D, Bille J, Hauser PM. *Pneumocystis jiroveci* dihydropteroate synthase polymorphisms confer resistance to sulfadoxine and sulfanilamide in *Saccharomyces cerevisiae*. *Antimicrob Agents Chemother.* 2004 Jul;48(7):2610-6.