

Monkeypox

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Monkeypox is a rare infectious disease caused by monkeypox virus. The disease is most prevalent in Central and Western Africa, but has occurred also in the United States. Monkeypox can be difficult to distinguish from mild smallpox and chickenpox. Human monkeypox is a zoonotic viral disease that occurs primarily in remote villages of Central and Western Africa close to tropical rainforests where there is frequent contact with infected animals. Monkeypox is usually transmitted to humans from rodents, pets and primates through contact with the animal's blood or through a bite. ([From the Wikipedia article Monkeypox](#).)

Recent Publications on Monkeypox:



- [Inhibition of monkeypox virus replication by RNA interference.](#)
*The Orthopoxvirus genus of Poxviridae family is comprised of several human...*6th November, 2009
United States Army Medical Research Institute of Infectious Diseases, Fort- Virol J. 2009 Nov 4;6:188.
([DOI Direct Link](#))
- [Simian varicella virus in pigtailed macaques \(Macaca nemestrina\): clinical, pathologic, and virologic features.](#)
*Simian varicella virus (SVV; Cercopithecine herpesvirus 9) is a naturally...*6th November, 2009
Washington National Primate Research Center, University of Washington,- Comp Med. 2009 Oct;59(5):482-7.
- [Emerging viral infections of the central nervous system: part 2.](#)
*The first part of this review ended with a discussion of new niches for...*24th October, 2009
Department of Neurology, University of Colorado Denver Health Sciences- Arch Neurol. 2009 Sep;66(9):1065-74. ([DOI Direct Link](#))
- [Molecular smallpox vaccine delivered by alphavirus replicons elicits protective immunity in mice and non-human primates.](#)
*Naturally occurring smallpox was eradicated as a result of successful...*17th October, 2009
U.S. Army Medical Research Institute of Infectious Diseases, Virology- Vaccine. 2009 Oct 13. ([DOI Direct Link](#))
- [Zoonotic poxviruses.](#)
*Poxviruses compromise a group of long known important pathogens including...*16th October, 2009
Bundeswehr Institute of Microbiology, Neuherbergstr. 11, 80539 Munchen,- Vet Microbiol. 2009 Aug 26. ([DOI Direct Link](#))
- [Evaluation of the efficacy of modified vaccinia Ankara \(MVA\)/IMVAMUNE against aerosolized rabbitpox virus in a rabbit model.](#)
*Infection of rabbits with aerosolized rabbitpox virus (RPXV) produces a...*29th September, 2009
Center for Aerobiological Sciences, US Army Medical Research Institute of- Vaccine. 2009 Sep 4;27(40):5496-504. Epub 2009 Jul 24. ([DOI Direct Link](#))

- [Smallpox inhibitor of complement enzymes \(SPICE\): dissecting functional sites and abrogating activity.](#)
*Although smallpox was eradicated as a global illness more than 30 years...*19th September, 2009
Department of Medicine, Division of Rheumatology, Washington University- J Immunol. 2009 Sep 1;183(5):3150-9. Epub 2009 Aug 10. ([DOI Direct Link](#))
- [ST-246 Inhibits In Vivo Poxvirus Dissemination, Virus Shedding, and Systemic Disease Manifestation.](#)
*Orthopoxvirus infections, such as smallpox, can lead to severe systemic...*16th September, 2009
SIGA Technologies, Inc., 4575 SW Research Way, Suite 230, Corvallis, OR- Antimicrob Agents Chemother. 2009 Dec;53(12):4999-5009. Epub 2009 Sep 14. ([DOI Direct Link](#))
- [Expansion, reexpansion, and recall-like expansion of Vgamma2Vdelta2 T cells in smallpox vaccination and monkeypox virus infection.](#)
*Little is known about the in vivo kinetics of T-cell responses in...*11th September, 2009
Department of Microbiology and Immunology, Center for Primate Biomedical- J Virol. 2009 Nov;83(22):11959-65. Epub 2009 Sep 9. ([DOI Direct Link](#))
- [NFkB inhibitors: strategies from poxviruses.](#)
*The orchestration of the inflammatory responses to both infection and...*10th September, 2009
Department of Molecular Genetics and Microbiology, College of Medicine,- Cell Cycle. 2009 Oct 1;8(19):3125-32.
- [Therapeutic and prophylactic drugs to treat orthopoxvirus infections.](#)
*With the global eradication of smallpox in 1979, the causative agent,...*4th September, 2009
Department of Molecular Microbiology & Immunology, Saint Louis University- Future Virol. 2008 Nov;3(6):595-612.
- [Emerging viral infections of the central nervous system: part 1.](#)
*In this 2-part review, I will focus on emerging virus infections of the...*21st August, 2009
Neurology B-182, Research Complex-2, University of Colorado Denver Health- Arch Neurol. 2009 Aug;66(8):939-48. ([DOI Direct Link](#))
- [Comparison of monkeypox viruses pathogenesis in mice by in vivo imaging.](#)
*Monkeypox viruses (MPXV) cause human monkeypox, a zoonotic smallpox-like...*12th August, 2009
Department of Pathobiological Sciences, School of Veterinary Medicine,- PLoS One. 2009 Aug 11;4(8):e6592. ([DOI Direct Link](#))
- [Laboratory-acquired vaccinia virus infection--Virginia, 2008.](#)
*Vaccinia virus (VACV) is the live viral component of smallpox vaccine...*4th August, 2009
- MMWR Morb Mortal Wkly Rep. 2009 Jul 31;58(29):797-800.
- [Analysis of vaccinia virus-host protein-protein interactions: validations of yeast two-hybrid screenings.](#)
*Vaccinia virus, a large double-stranded DNA virus, is the prototype of the...*30th July, 2009
Department of Molecular Genetics and Microbiology, College of Medicine,- J Proteome Res. 2009 Sep;8(9):4311-8. ([DOI Direct Link](#))

BioNews Results for Monkeypox

- [Will genomics help prevent the next pandemic?](#)
PhysOrg.com: Oct 27 2009 11:55AM Matching: monkeypox
- [Genomics can provide insights in understanding emerging infectious disease](#)
News-Medical.Net: Oct 27 2009 9:46AM Matching: monkeypox
- [Will Genomics Help Prevent The Next Pandemic?](#)
Red Orbit: Oct 27 2009 6:09AM Matching: monkeypox
- [Will genomics help prevent the next pandemic?](#)
Genetic Engineering News: Oct 26 2009 5:24PM Matching: monkeypox
- [Oregon ferret infected with H1N1 by its owner](#)
American Veterinary Medical Association: Oct 20 2009 7:23PM Matching: monkeypox
- [USDA confirms 2009 H1N1 influenza virus in state fair pig](#)

- [SIGA Technologies gets \\$3 mn research grant from NIH](#)



Monkeypox Patents:

- 7247615- [Peptide agonists of prostate-specific antigen and uses therefor](#)
- 7407752- [Oligonucleotide complexes for use as anti-viral therapeutics](#)
- 7410644- [Recombinant pox virus for immunization against tumor-associated antigens](#)
- 7439052- [Method of making modified immunodeficiency virus particles](#)
- 7439349- [Method for preparation of large volume batches of poly-ICLC with increased biological potency; therapeutic, clinical and veterinary uses thereof](#)
- 7442532- [Essential fungal CaYLR100w polypeptides, and methods of use](#)
- 7442761- [Replikin peptides and uses thereof](#)
- 7452898- [Phosphonate compounds](#)
- 7459472- [Aryl and heteroaryl compounds, compositions, and methods of use](#)
- 7465568- [Essential fungal polynucleotides, polypeptides, and methods of use](#)
- 7469076- [Sensors employing combinatorial artificial receptors](#)
- 7407663- [Modified immunodeficiency virus particles](#)
- 7407662- [Modified viral particles with immunogenic properties and reduced lipid content](#)
- 7405214- [Nucleoside derivatives and therapeutic use thereof](#)
- 7273605- [Vaccine](#)
- 7285526- [Interferon antagonists useful for the treatment of interferon related diseases](#)
- 7288265- [Treating viral infection at smallpox vaccination site](#)
- 7321033- [3-B-D-ribofuranosylthiazolo \[4,5-d\] pyrimidine nucleosides and uses thereof](#)
- 7323453- [Methods of inhibiting orthopoxvirus replication with nucleoside compounds](#)
- 7338662- [Recombinant poxvirus expressing homologous genes inserted into the foxviral genome](#)
- 7355170- [Systems for differential ion mobility analysis](#)
- 7371850- [Method and composition for reducing expression of ROCK-II](#)
- 7393533- [H3L envelope protein immunization methods and H3L envelope passive protection methods](#)
- 7402666- [Nucleotide encoding canine 5T4 antigen](#)
- 7482334- [Therapeutic treatment methods](#)
- 7491493- [Method and kit for molecular identification of smallpox](#)
- 7572621- [Detection, characterization and treatment of viral infection and methods thereof](#)
- 7575916- [Nucleic acid molecule encoding a MHC class I peptide epitope from the human 5T4 tumor-associated antigen and vector comprising the nucleic acid molecule](#)
- 7576068- [Administration of TLR7 ligands and prodrugs thereof for treatment of infection by hepatitis C virus](#)
- 7576319- [Systems for differential ion mobility analysis](#)
- 7579325- [Drugs containing reduced of vitamin B.sub.2](#)
- 7588767- [Microorganisms for therapy](#)
- 7588771- [Microorganisms for therapy](#)
- 7588774- [Molecules enhancing dermal delivery of influenza vaccines](#)
- 7598225- [Generation of immune response to prostate-specific antigen \(PSA\)](#)

- 7601698- [Polypeptide](#)
- 7569384- [Albumin fusion proteins](#)
- 7560544- [3,5-Disubstituted and 3,5,7-trisubstituted-3H-oxazolo and 3H-thiazolo\[4,5-d\]pyrimidin-2-one compounds and prodrugs thereof](#)
- 7560116- [Compositions, methods and kits relating to poxvirus subunit vaccines](#)
- 7491743- [Inhibitors of cellular necrosis](#)
- 7497119- [Methods and systems for using resonant acousto-EM energy and acousto-EM signatures to disrupt biologic structures](#)
- 7504365- [Combinatorial artificial receptors including tether building blocks](#)
- 7511051- [Cidofovir peptide conjugates as prodrugs](#)
- 7520923- [Antimicrobial filtration article](#)
- 7521424- [Albumin fusion proteins](#)
- 7528115- [Carbonate and carbamate prodrugs of thiazolo\[4,5-d\]pyrimidines](#)
- 7541044- [Administration of 5T4 antigen and immune response of cells expressing 5T4 and CEA antigens](#)
- 7547687- [Therapeutic treatment methods](#)
- 7547773- [Nucleic acid molecules encoding prostate specific antigen oligo epitope peptides](#)
- 7615612- [Polypeptide](#)

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Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

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