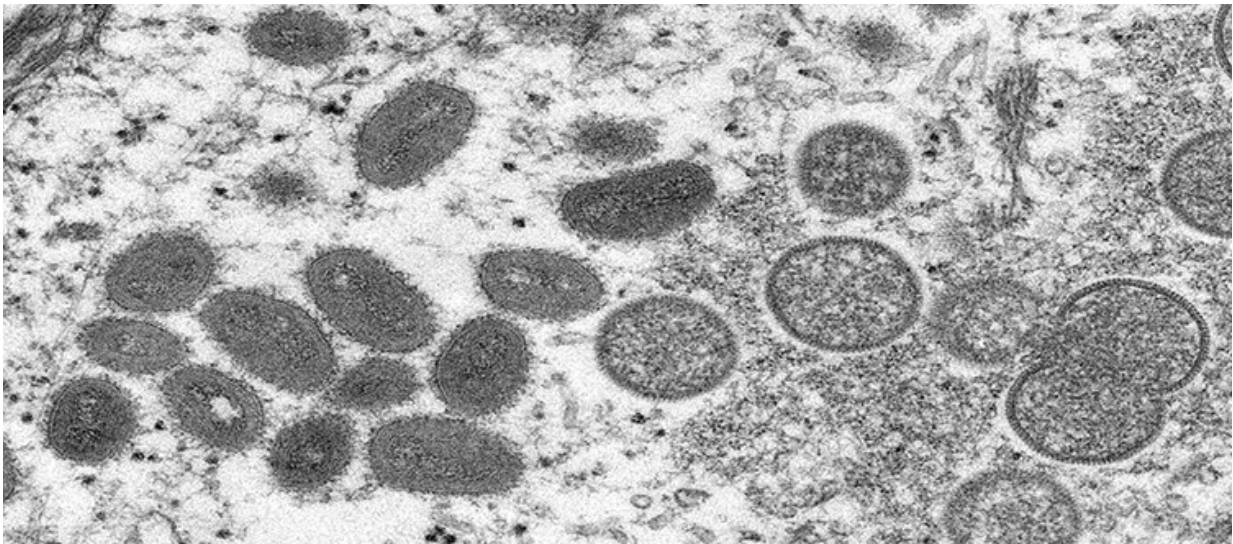


First genomic sequencing of monkeypox from Switzerland is now available

May 30 2022



The virus can be identified with a PCR test, especially from affected lesions and other samples. Credit: Geneva University Hospitals (HUG)

The Geneva Centre for Emerging Viral Diseases shares the first sequencing results of the monkeypox genome from Switzerland. This important step will enable further analysis and comparison with genome sequences from other countries. According to preliminary results, the virus sequence of the first two cases in Switzerland is genomically linked to cases reported in several other countries in the context of the current outbreak. The National Reference Laboratory for Emerging Viruses (CRIVE) team shares its genome with the scientific community, via the

Platform Genbank.

Four cases of [monkeypox](#) have been confirmed by PCR test in Switzerland by the Virology Laboratory at HUG, part of the CRIVE, which is mandated by the Swiss Federal Office of Public Health (FOPH) to monitor that type of event. Those cases are part of a larger and unusual outbreak that is ongoing in multiple countries in Europe, South and North America and Australia with more than 400 confirmed cases, according to World Health Organization (WHO), since the reporting of the first case in the United Kingdom on 7 May 2022.

The virus can be identified with a PCR test, especially from affected lesions and other samples. Diagnosis is based to date on tests developed by specialized laboratories such as the one in Geneva. To enable other laboratories in Switzerland and around the world to integrate this test into their portfolio of Orthopoxvirus tests, CRIVE is sharing its protocol.

The CRIVE is closely monitoring the situation and is available for all diagnostic requests related to this [outbreak](#).

More information: The genome details are available at the [Platform Genbank](#).

Provided by University of Geneva

Citation: First genomic sequencing of monkeypox from Switzerland is now available (2022, May 30) retrieved 21 July 2023 from <https://medicalxpress.com/news/2022-05-genomic-sequencing-monkeypox-switzerland.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private

study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.