

日本—フランス 国際共同研究「非医療分野における新型コロナウイルス感染症（COVID-19）関連研究」 2021 年度 年次報告書	
研究課題名（和文）	アジアのコウモリにおける SARS-CoV-2 の起源の調査および解明
研究課題名（英文）	Tracing and Understanding the Origin of SARS-CoV-2 in Asian Bats
日本側研究代表者氏名	VINCENOT Christian Ernest
所属・役職	京都大学・助教
研究期間	2021 年 5 月 1 日 ～ 2023 年 3 月 31 日

1. 日本側の研究実施体制

氏名	所属機関・部局・役職	役割
Christian VINCENOT	京都大学大学院 情報学研究科 助教	Project lead
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2. 日本側研究チームの研究目標及び計画概要

This project aims to find the origin of SARS-CoV-2 and reconstruct the geographical spread of Sarbecoviruses. It will increase knowledge of coronaviruses and their bat hosts and may identify future potential zones of spillovers and transmission pathways.

3. 日本側研究チームの実施概要

For this project, Rhinolophus bats were captured using harp traps and a high-tech acoustic lure in the Ryukyu archipelago in order to collect tissue and faeces samples. Trapped bats were maintained in captivity for the time to sex and photograph them, gather basic morphometrics (weight, forearm length) and collect patagium and faeces that was stored in RNAlater. The animals were then released into the wild as fast as possible. Ultrasound recordings were also used to confirm taxonomic identification. These samples are currently being analysed jointly with this project's collaborating team under the lead of Prof. Hassanin at the National Museum of Natural History in Paris, France.

The schedule of this project was impacted strongly and delayed by travel restrictions due to the COVID-19 pandemic.