

令和6年度 第47回 大学院セミナー

令和6年10月21日

分野名 Area of Research (責任者名)(内線)	ウイルス感染制御学分野 責任者名(南保 明日香) 内線(7970)
演題 Title	Filovirus pathogenesis & vaccines
講師等 Presenter	Dr. Andrea Marzi Immunobiology & Molecular Virology Section, Laboratory of Virology, National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), Rocky Mountain Laboratory
概要 Abstract	Emerging viruses including filoviruses continue to be a threat to global public health. Our work focuses on animal models and pathogenesis as well as countermeasure development. We investigated the pathogenic potential of novel filoviruses including Lloviu virus and Bombali virus in animal models including IFNAR ko mice and ferrets. The human-pathogenic Tai Forest virus (TAFV), a lesser-known filovirus, was also assessed in our studies. TAFV infection did not cause disease in IFNAR ko mice, however, mucosal infection of ferrets results in partially lethal disease. Interestingly, infection in NHPs is uniformly lethal. We generated a TAFV vaccine and showed that single-dose vaccination provided 100% protection in NHPs. Our studies provide new insights into the disease-causing potential of these filoviruses and enable testing of countermeasures in animal models.
開催日時 Date and Time	令和6年11月11日(月) 16:00~17:00
開催方法 Online/Face to face	高度感染症研究センター1F 大会議室
備考 Notes	問い合わせ先: 南保明日香(高度感染症研究センター) 内線 7970 or E-mail: nanboa@nagasaki-u.ac.jp If you have any inquiries about this seminar, please contact nanboa@nagasaki-u.ac.jp .

- 先端医療科学特論(基礎編)
- 先端新興感染症病態制御学特論
- 日本語(Japanese)
- 対面(Face to face)

- 先端医療科学特論(臨床編)
- 先端放射線医療科学特論
- 英語(English)
- オンライン(Online)