

## 論文題名

### **An analysis of stakeholder involvement in the deliberation on the governance of human genome editing by the Expert Panel on Bioethics of Japan**

(日本の生命倫理専門調査会によるヒトゲノム編集のガバナンスに関する審議におけるステークホルダーの関与の分析)

## 氏名

Tatsuki Aikyo  
(相京辰樹)

## Abstract

Genome editing is a technology that can accurately and efficiently modify the genome of organisms, including the human genome. Although human genome editing (HGE) has many benefits, it also involves technical risks and ethical, legal, and social issues. Thus, the pros and cons of using this technology have been actively debated since 2015. Notably, the scientific community has taken an interest in the issue and has discussed it internationally. However, for the governance of HGE, the roles of government agencies and the general public are also important for an effective regulatory system. Here, we examine the roles of the scientific community, government, and public in the governance of HGE through an analysis of discussions in the Japanese Expert Panel on Bioethics. During the discussion of the research ethics review system, the professionalism of the research community and the pros and cons of state oversight have become issues for debate. Furthermore, through an examination of the overall policy-making process, three stakeholders are clearly involved in the governance of emerging medical technologies in the Expert Panel on Bioethics, a discussion forum established by government agencies. The contrast among these roles provided insight into the positive roles of government agencies and the scientific community and the conditions under which these roles are played. We also noted that there are diverse actors in the public, which may have an impact on their participation. Our results may serve as guide for countries and organizations to establish governance on emerging medical technologies.