

No.	K22-1073	
研究課題名	Hematopoietic stem cell rejuvenation therapies	
研究代表者	Wilkinson Adam ( University of Oxford · 准教授 )	
研究組織	受入教員	岩間 厚志 ( 東京大学医科学研究所 · 教授 )
	分担者	Atsushi Iwama ( Center for Stem Cell Biology and Regenerative Medicine · Professor )
	分担者	Masayuki Yamashita ( Center for Stem Cell Biology and Regenerative Medicine · Assistant Professor )
	分担者	Yavor Bozhilov ( University of Oxford · Postdoctoral researcher )
	分担者	Grace Meaker ( University of Oxford · PhD student )
	分担者	Jiro Becker ( University of Tsukuba · Assistant Professor )
	分担者	Adam Wilkinson ( University of Oxford · Associate Professor )
	分担者	Satoshi Yamazaki ( Laboratory of Stem Cell Therapy, Faculty of Medicine, University of Tsukuba · Professor )

<b>Principal Investigator</b>
Prof Atsushi Iwama

**IMSUT International Joint Usage/Research Center Project <International>**

**Joint Research Report (Annual/Project Completion)**

<b>Annual Report</b>
<b>Report</b> Development of novel therapeutics targeting hematopoietic stem cells
<p>In this IMSUT International Joint Research project, we proposed to develop novel therapeutics targeting hematopoietic stem cells for the treatment of age-related blood disorders. We have initiated several lines of collaborative research towards this goal. First, we have been investigating whether ex vivo hematopoietic stem cell cultures can be used to model hematopoietic stem cell aging, to validate a tractable in vitro model for target discovery. Second, we have been investigating molecular mechanisms contributing to hematopoietic stem cell clonal advantage in age-related hematological disorders. We will continue to build on this progress over the next year.</p>