

Application for the Grant for Challenge Joint Research
Program of the Institute for Genetic Medicine (IGM), Hokkaido University (FY 2023)

Date: _____

Institution (University, college, etc.)		
Academic Unit (School, Faculty, etc.)		
Applicant	Title	
	Name	
	A d d r e s s	
	T E L	
	F A X	
	E - M A I L	

Research projects of host researchers at IGM

*Circle the number of the project(s) applicable to your research project.

1. Molecular mechanism of tumorigenesis caused by infection-associated genes: Toru Kondo (Stem Cell Biology)
2. Immune regulation for cancer and transplantation: Ken-Ichiro Seino (Immunobiology)
3. Dissecting the mechanisms and developing therapeutics for cancers caused by persistent bacterial or viral infection: Masahiro Sonoshita (Biomedical Oncology)
4. Analyses of innate immune responses associated with infection (SARS-CoV-2 etc.), cancer, and inflammation: Akinori Takaoka (Signaling in Cancer and Immunology)
5. Functions and regulation of membrane lipid dynamics in normal cells and cells from infection-associated cancers: Kazuma Tanaka (Molecular Interaction)
6. Structural biological studies of factors related to infectious tumors: Nobuo Noda (Division of biological molecular mechanisms)
7. Analysis of DNA structure and transcriptional regulation during the development of diseases including infectious cancers: Kenichi Noma (Genome Biology)
8. Roles of Gateway reflexes and IL-6 amplifier on infectious tumors, COVID-19, autoimmune diseases: Masaaki Murakami (Molecular Psychoimmunology)
9. Functional analysis of loss-of-polarity suppressors in infectious digestive cancer development: Fumio Motegi (Developmental Physiology)

10. Study on the molecular mechanisms of viral hepatitis-induced infectious cancers: Kouji Moriishi (Hepatitis Virology)
11. Mechanisms inducing genome instability in infection-associated cancer: Masanori Hatakeyama (Center of infection-associated cancer)
12. Molecular mechanism underlying *Helicobacter pylori*-mediated gastric carcinogenesis: Naoko Kamiya (Division of Microbial Oncology)
13. Understanding the cell fate determination after oncogenic DNA or RNA virus infection: Tomohiko Okazaki (Laboratory of Molecular Cell Biology)
14. Establishment of animal models for infectious tumors including HPV+ cervical cancers and COVID-19: Kumiko Yoshimatsu (Laboratory of the animal experiment)
15. Functional control of immune cells and its application to the treatment of cancer and infectious disease: Hidemitsu Kitamura (Functional Immunology)

Title of Research Project		Is it new or continued		
		new ▪ continued		
Research Period	From (YMD) to (YMD)			
Host researcher at IGM				
Name of division :				
Name of host researcher :				
Role of the host researcher in the project proposed :				
Research collaborators				
Institution ▪ Academic unit	Title	※Young Researcher (35 or under) (Please put a circle)	※Young Researcher (Under40) (Please put a circle)	Name ▪ e-mail
				e-mail:
				e-mail:
				e-mail:
				e-mail:

Total cost of sending samples (postage, stamps, etc.) (Below shall not exceed 60,000 yen)	¥
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※The age of the young researcher should be as of April 1, 2023.