2022 Kyoto University Amgen Scholars Program

List of Host Laboratories

	lame of PI	Affiliation	Research Topic of the Lab	Eligibility	Research Area (keywords)	URL
NO. IN		Anniation			Research Area (Reywords)	UKL
1 M	lakoto Havashi		Telomere biology, Chromosome fusion and tumorigenesis	laboratory members.	Molecular, Cell and Developmental Biology	www
2 M	lasatoshi Haqiwara	Graduate School of Medicine	Genetic diseases caused by aberrant RNA splicing	None	Drug Discovery Molecular Pharmacology Neuroscience	www
3 C)samu Takeuchi	Graduate School of Medicine	Regularoty systems of innate immunity	limmunology research.	Immunology Biochemistry Molecular, Cell and Developmental Biology	www
4 D	ouglas S. Campbell	Graduate School of Pharmaceutical Sciences	Our laboratory studies the cellular and molecular mechanisms underlying neuronal branching, synapse formation and degeneration critical for the normal function of the nervous system.	-	Neurobiology Neuroscience Molecular, Cell and Developmental Biology	www
5 R	yu ABE		Water Splitting for Hydrogen Production by using Semiconductor Photocatalysis	Be interested in photocatalysis	Chemistry	www
6 К	azunari Akivoshi	Graduate School of Engineering	Biomedical Polymer Chemistry	polymers for future medicine such as regenerative	Chemistry Chemical and Biomolecular Engineering Drug Discovery	www
7 Y	asuo Mori		Elucidation of biological roles played by TRP channels as sensors and signal acuators.	Understanding of basic biochemistry is desirable (but this is not an aboslute necessity).	Biochemistry Molecular Genetics Molecular Medicine	www
8 It	taru Hamachi	Graduate School of Engineering	Ichemical biology	lbiology	Chemical and Biomolecular Engineering Biochemistry Neuroscience	www
9 H	lirofumi Sato	Graduate School of Engineering	Theoretical/Computational Chemistry	_	Chemistry	www
10 K	ivoshi Yasukawa	Graduate School of Agriculture	Please see the following papers we published in 2021. doi: 10.1016/j.bbrc.2021.06.023 doi: 10.1093/bbb/zbab102 doi: 10.1016/j.jbiosc.2021.05.005 1) Isolation and characterization of microalgae which	IT would like a student who is interested in an enzyme.	Biochemistry Biotechnology	www
11 H	lideaki Miyashita	Graduate School of Human and Environmental Studies	will be applicable for industrial use 2) Diversity of cyanobacteria and their phylogenetic	Basic knowledge of microbiology	Microbiology Biotechnology	www
12 T	akashi Sagawa	Graduate School of Energy Science	Light-emitting materials, Solar cells, Photocatalysts		Chemistry Chemical and Biomolecular Engineering Bioengineering	www
13 B	eniamin C. McLellan		Energy, environment, resources and socio-economic systems	Students should be interested in energy and related economic, resource, environmental and social systems. Research in this lab is non-experimental.	Chemical and Biomolecular Engineering Statistics Chemistry	www
14 T	omoichiro Mivoshi		Genome, Retrotransposon, DNA repair, Immune response	Applicants need English skills for communication.	Biochemistry Molecular, Cell and Developmental Biology Molecular Genetics	www
15 S	hiae H. Yoshimura	Graduate School of Biostudies	 How intracellular membrane organelle (e.g. nucleolus, mitotic chromosome, stress granule, P-body etc.) are formed and regulated via phase separation. How viruses hijack host cell function via phase sepparation. How hyperphosphorylation of a disordered polypeptide changes its macroscopic behavior. 	having interest on life science, having strong eager to become international scientist	Biochemistry Chemical and Biomolecular Engineering Microbiology	www
16 J	un Suzuki	Graduate School of Biostudies	Biochemical Cell Dynamic	Highly-motivated students with passion	Biochemistry Molecular Medicine Neuroscience	www
17 N	laoki Watanabe	Graduate School of Biostudies	Mechanobiology, Live-cell single-molecule imaging.	Requires basic knowledge of cell biology. Participants who are interested in specific technologies and applications are recommended to do research on lab's previous papers beforehand.	Molecular, Cell and Developmental Biology Biotechnology Molecular Pharmacology	www
18 P	eter Carlton		Chromosome dynamics during meiotic prophase in C. elegans	IStudents majoring in life sciences	Molecular, Cell and Developmental Biology Bioinformatics	www
19 T	aeko Kobayashi	Biostudies	neural stem cells, quiescence, lysosomes	 Those who have fundamental biological knowledge. Those who are able to conduct team work. Those who have interest in our research. 	Biochemistry Molecular, Cell and Developmental Biology Neurobiology	www
20 Т	atsushi Igaki	Graduate School of Biostudies	Mechanism of cell competition; Genetic basis of tissue growth regulation; Molecular basis of tumor progression and metastasis	Those who are interested in our research.	Molecular, Cell and Developmental Biology	www
21 It	taru Imavoshi	Graduate School of	Brain Development and Regeneration	interested in brain development and function and who	Molecular Genetics Neurobiology Neuroscience	www
22 L	iang Zhao			Practical experience in algorithm, machine learning and		www
23 Y	asuhiro Ohki	Institute for Chemical Research	Synthesis and Reactions of Metal-Containing Molecules	Interest in chemical synthesis	Chemistry Biochemistry	www
24	Ganesh Pandian	KUIAS	Bio-inspired therapeutics, Epigenetics	colleges or Universities that award a bachelor's degree (or its equivalent) in the field related to Molecular biology/genetics).	Molecular Genetics Medical Pharmacology Immunology	www
25 K	en-ichiro Kamei	Institute for Integrated Cell-Material Sciences, KUIAS	Bioengineering to re-create living systems in vitro	break the boundaries of desciprines to open up the	Bioengineering Biotechnology Molecular, Cell and Developmental Biology	www
26 F	uyuhiko Tamanoi	Institute for Integrated	Nanodelivery and cancer radiation therapy	_	Drug Discovery Molecular, Cell and Developmental Biology Molecular Medicine	www
		Institute for Integrated	We study chemistry of porous materials and transform them into game-changing solutions for health,	We look for students who are full of curiosity and do not hesitate to challenge crossdisciplinary science and innovations.	Chemistry	www
27 S	huhei Furukawa		environment and energy issues.	We welcome candidates who love chemistry.		