

Profiles of Faculty

【Program in Biological System Sciences: Master's and Doctoral Course】

For more information, please contact professors freely.
Applicants are requested to consult with the prospective professors about future research plans before the application

Field	Position	Name · Subject(Class) Email	Outline of Research	Research Themes
	Prof.	Masaaki TATSUKA Radiation Genome Systems Biology tatsuka@pu-hiroshima.ac.jp	To contribute to cancer cell biology, we study cell division mechanisms, focusing on Aurora kinases and their related proteins. We also address how cancer progression occurs in the tumor microenvironment. Focusing our attention on signaling molecules relevant to cancer spreading, we try to provide a rationale for molecular targeted therapy.	<ul style="list-style-type: none">• We are interested in mitosis-related intracellular signaling molecules: Chromosome passenger proteins including Aurora-B, Survivin, INCENP, and Borealin; their related molecules such as SAKI, MOB, TopoIIa, Aurora-A, and Aurora-C.• In addition, cancer spreading-related signaling molecules such as RhoGDIbeta and HIF-1alpha are also focusing.