Division	n of Natural System	Research field	Biochemical Engineering	Lab. ID NS23					
Laboratory w	eb site								
Research subjects									
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory									
Daily life in the laboratory, etc.									
Message or o	comments by the laborato	ry faculty sta	ffs						
Decent Most	ou thoses in those 2 years	(+ mays if s							
Recent Master theses in these 3 years (+ more if appropriate) year.month Thesis title (including English translation of Japanese thesis title)									
-									
			f primary metabolites in Streptomycetes ncer cell injury using perfluorocarbon-loaded nano e	mulsion					
	Zwitterionic solvents for p			naision					
2021.3		f three dimen	sional tissue for cultured meat without using animal-	-derived					
2021.3	zwitterions for one-pot e	thanol produc							
2021.3	glutamicum		h induced by directional protein degradation in Cory						
			s in response to modulation of glucose consumption	rate					
			gels using low toxic liquid zwitteirons m glutamicum under non-proliferating elevated temp	erature					
		-	<u> </u>	eracure					
	Bioprinting of 3D tissues using multicellular sheroids containing cancer cells Biorefinery of lignocellulosic biomass toward liquid fuel								
2020.2	Changes of intracellular metabolite profile affected by split ratio of central metabolic pathway in Corynebacterium glutamicum								
2019.9	Fabrication of 3D tissue ι	using adipose-	-derived mesenchymal stem cells, and its application	to neural dif					
	Refinery of polysaccharides and lignins in lignocellulosic biomass								
			rized multicellular spheroids, and its internal structu						
2019.3	biomass		piorefinery of polysaccharides and lignins in lignocellu	DISOL					
			d irradiation in the presence of ultrafine bubbles						
2019.3	Corynebacterium glutamic	cum	of anaerobic glucose consumption at elevated tempe	rature in					
	oral theses in these 3 year								
year.montn	Thesis due (including Eng	חשובות מווצומנות	on of Japanese thesis title)						

Laboratory mail address						