

Section committee changing the world of Bioindustry by sound

Onkyo Corporation Representative: Munenori Otsuki Leader: Yusuke Kondo

Leader: Fumiaki Kawamura

Social problems: Biotechnology production system / health care

Contents of activities: Use of sound to Biotechnology production system and health care area



Seeking for solutions of future social problems



Future social problems

Biotechnology relation Food industry

> Environment area

Energy area

Road, bridge and railway

Consumer support Vehicle and construction machine

Plant and animal

Call center and communication

Health care and medical care Deepening and discovering technologies by industryacademia collaboration

Collaboration with each university and promotion of research for solving social problems Seeds type research

Picking up social problems

Strengthening collaboration with local residents by collaborating with municipalities



Social implementation by collaboration with enterprises

Basic research with universities Marketing for solving social problems by using technologies of enterprises Startup





Targets (Biotechnology area)





Plan by 2025



	Target	>>>	2023		>>>	2024				2025	
1	Audio technology x food	Technology	Research of yeast x mechanism								
		Market	10 companies performing fermented food		pe	companies erforming nented food	30 comp perforn fermente		9	40 companies performing fermented food	
2	AI hospital Remote diagnosis	Technology	Developing prototype (a)		e (a)	Technology development support (prototype)		•	Technology development support (market release)		
		Market	Inviting partners		Contracting v partners	vith					
3	AI drug discovery	Technology	Under developing element technology	Formulation of targets		Technology support (prototy		(prototype)	pe) Technology support (tooling)		
		Market	Inviting partners		Contracting with partners						
4	Hearing loss treating, improving and supporting	Technology	Audible sound element technology		ent	Basic research of hearing loss					
		Market	Selling hearing			ng aid			Diversion of technology other than hearing aid		
			Inviting partners related hearing loss prevention					evention Co	Contracting with partners		

Disclosing result by Osaka Expo

