

2025 NIAR/Inserm cooperation Workshop – PROGRAMME

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start	end	type	titre	speaker
09:00:00	09:15:00	discours	Welcoming words	Franck Lethimonnier (Head of Health technologies thematic institute, Inserm) & Dr Hung-Ying Tsai (President, NIAR)
09:15:00	09:30:00	discours	Cooperation between Inserm and the NIAR	Olivier Steffen (Head of International relationships, Inserm)
09:30:00	10:00:00	session	"Biomaterials and Biofabrication"	Introduction by Dr Hugo de Oliverira & Presentation of the ART BioPrint (BioTis Laboratory Inserm 1026 unit, Bordeaux)
10:00:00	10:05:00	discours	Inserm – Polysaccharide scaffolds for organ-on-chip	Dr Teresa Simon-Yarza, Laboratory for Vascular Translational Science, Inserm 1148 unit
10:05:00	10:10:00	discours	NIAR – Taiwan Organ-on-Chip Project	Genie Chin, Director of National Center for Biomodels, NIAR
10:10:00	10:15:00	discours	CNRS & Université de Lille – Tumours on a chip: a technological revolution in translational cancer research	Dr Anthony Treizebre, Institute of Electronics, Microelectronics and Nanotechnologies-IEMN UMR CNRS 8520, University of Lille
10:15:00	10:20:00	discours	NIAR – Taiwan OoC Biomanufacturing Network	Simon Hsu, COO of NIAR
10:20:00	10:25:00	discours	Inserm – Engineering hydrogels for bomedical applications	Dr Vianney Delplace, Regenerative Medicine & Skeleton, RMeS, unité Inserm 1229, Nantes
10:25:00	10:30:00	discours	NIAR – PDX Bank and Organoid Drug Screening	Dr Jui-Ling Wang, National Center for Biomodels, NIAR
10:30:00	11:10:00	pause	Coffee break	
11:10:00	11:15:00	discours	"Sensors & Imaging"	Introduction by Dr Maxime Mahé, TENS Inserm 1235 unit, Nantes
11:15:00	11:20:00	discours	Inserm – Human adipose tissue on chip	Dr Anne Bouloumié, Institut des maladies métaboliques et cardiovasculaires, Inserm 1297 unit
11:20:00	11:25:00	discours	NIAR – Biomimetic Cerebrovascular Microenvironment on a Microfluidic Organ-on-a-Chip	Pr How Tseng, Department of biochemistry and molecular cell biology, Taipei Medical University
11:25:00	11:30:00	discours	Inserm & APHP – Liver organoids and clinical applications	Pr Jean-Charles Duclos-Vallée, hôpital Paul-Brousse, APHP, Inserm 1193 unit
11:30:00	11:35:00	discours	NIAR – AI-driven Drug Development Starts with the Right Biology	Pr Guan-Yu Chen, Dept. Electronics and electrical engineering, National Yang Ming Chiao Tung University
11:35:00	11:40:00	discours	Inserm & Sorbonne University – Vascularization of microphysiological systems with self-organized microvessels	Pr Mathieu Hautefeuille, Sorbonne Université, IBPS-Dev2A, UMR 8363, Inserm 1345 unit
11:40:00	11:45:00	discours	NIAR – Microfluidic chip-based Approach for Generating Cardiac Spheroids of hiPSC-derived Cardiomyocytes	Dr Chia-Hsien Hsu, NHRI Institute of Biomedical Engineering & Nanomedicine
11:45:00	12:00:00	discours	"Conference" Sensor integration in vascularized organoids on chip: shaping the future of the precision medicine	by Fabrice Navarro, CEA-Leti, Grenoble
12:00:00	12:05:00	session	Multicompetents, Multifunctions OOC	Audrey Ferrand (Inserm IRSD 1220 unit/I2MC Inserm 1297 unit, Toulouse)
12:05:00	12:10:00	discours	Institut Pasteur – Organoid-on-chip model to study intestinal infections and IBD	Dr Nathalie Sauvonnnet, Institut Pasteur, Paris
12:10:00	12:15:00	discours	NIAR – Three-dimensional microfluidic endometrium organ chip for studying endometrial diseases mechanism	Pr Hong-Yuan Huang, Chang Gung Memorial Hospital
12:15:00	12:20:00	discours	Inserm & Institut Pasteur – Human organ on chip technologies for assessing infection and immunity	Dr Alexandre Grassart, Center for Infection and Immunity, Inserm 1019 unit - Institut Pasteur de Lille
12:20:00	12:25:00	discours	NIAR – Thrombosis-on-a-chip: a microengineered thrombosis model for next-gen thrombolytic drugs	Dr Han-Chi Pan, National Center for Biomodels, NIAR
12:25:00	12:30:00	discours	Inserm – Mechanobiology of lymphatic vessels: insights from an Organ-on-Chip	Dr Florent Morfoisse, Institut des maladies métaboliques et cardiovasculaires, Inserm 1297 unit
12:30:00	12:35:00	discours	NIAR – Development of Aptamer-Based Detection Technology for Kidney Function and Injury Biomarkers	Dr Che-Chin Chen, National Center for Instrumentation Research, NIAR
12:35:00	14:30:00	pause	Lunch break	
14:30:00	14:45:00	discours	Inserm – "Conference" 3D models to understand chronic respiratory diseases	by Isabelle Dupin, Inserm 1045 unit, CRCTB, Bordeaux
14:45:00	14:50:00	discours	Inserm & CNRS – Applications of tumor-on-chip technology in fundamental and translational cancer research	Dr Maria-Carla Parrini, Institut Curie – Inserm 1339 unit/CNRS UMR3666
14:50:00	14:55:00	discours	NIAR – The application of vascular network formation in microfluidic chips	Dr Yu-Chia Su, National Center for Biomodels, NIAR
14:55:00	15:00:00	discours	Inserm – Human colon on chip to study intestinal regeneration	Dr Audrey Ferrand, Inserm IRSD 1220 unit/I2MC Inserm 1297 unit, Toulouse
15:00:00	15:05:00	discours	NIAR – Biocompatible Heterogeneous Packaging Technology Applied to Kidney-on-a-Chip Systems	Dr Yu-Hsuan Lin, National Center for Instrumentation Research, NIAR
15:05:00	15:10:00	discours	Inserm & CNRS – Development of a vascularized model of thoracic cancer to study therapeutic strategies	Dr Christophe Blanquart, CRCI2NA, Inserm 1307 unit/CNRS UMR6075, Nantes, France
15:10:00	15:15:00	discours	NIAR – Building a liver-kidney safety and metabolism model by MPS organoid microfluidic systems	Pr Fan-Gang Tseng, Dept. of Engineering and System Sciences, National Tsing-Hua University
15:15:00	15:30:00	discours	RIBBON: Human organoid biobanking network	Maxime Mahé (on behalf of the CNRS GDR-French National Network on Organoids)
15:30:00	15:45:00	pause	Coffee break	
15:45:00	17:00:00	session	"One-on-One" meetings	10 minutes for discussions to set-up collaborations (appointments needed, information sheets to be filled by using questionnaire on the workshop website and registration to be done) / 10 minutes d'échanges en tête-à-tête pour mettre en place des collaborations (rendez-vous nécessaires, fiches d'information à remplir via le questionnaire sur le site web de l'atelier , et inscription à effectuer)
17:00:00	17:30:00	discours	Scientific wrap-up, potential collaborations identified, future needs/Funding opportunities	Audrey Ferrand (Inserm IRSD 1220 unit/I2MC Inserm 1297 unit, Toulouse) & all / Olivier Steffen (Inserm – Head of International relationships)