

Agenda of the technical meeting DILI on chip, July 25th, 2025

Partner	Task	Description	Year 1		Year 2		Year 3		Year 4	
			S1	S2	S3	S4	S5	S6	S7	S8
1	Task 0	management, diffusion, and valorization	■	■	■	■	■	■	■	■
2, 4, 5	Task 1	Optimization of the cell types from human iPSCs			D1.1	D1.2, D1.3				
	T 1.1	Differentiating endothelial cells and Kupffer cells from hiPSCs								
	T 1.2	Culture of the different cell types in polysaccharide gels								
3, 4, 1	Task 2	design and fabrication of the biochip		D2.1	D2.2	D2.3				
	T 2.1	Designing and dimensioning								
	T 2.2	Chip fabrication								
	T 2.3	Polysaccharide gel molding experiments								
	T 2.4	Instrumentation and Fluidic interconnection								
1, 2, 5	Task 3	cellularization of the chip and validation of the organ on chip functions				D3.1	D3.2	D3.3		
	T 3.1	Validation of the cell medium and flow conditions								
	T 3.2	Induction of the biliary functions								
	T 3.3	Vascularization of the device								
5, 1, 2	Task 4	DILI predictive model				D4.1	D4.2	D4.3	D4.4	
	T 4.1	Drug metabolism on liver-on-chip system								
	T 4.2	On chip monitoring of the damages to liver cells								
	T 4.3	Assessment (on the chip) of cumulative mechanisms of DILI								

10 h introduction, general information (Bruno)

Deadlines, publications, website dilionchip working again, DMP, final report

10h05 Advancement on Task 4: DILI predictive model

Eva, Ambre, Hugo

→ Presentation of the experimental results made at BIOPREDIC by Ambre, with the Ana's chip (30mn)

→ Presentation of results of protein expression analysis (15mn)

10h50 Industrial point of view on those results

Christophe

→ what is attractive with the biochip experiment (10mn)

→ what is strange/unexplained/unwanted with the biochip experiment (10mn)

11h20 Global discussion

all

→ what could be valorized in terms of publications

→ how can we continue the work (before the end of ANR in nov 25 & after the ANR)

12h End of the meeting