

Agenda of the technical meeting DILI on chip, November 24th, 2025

			Year 1		Year 2		Year 3		Year 4	
Partner	Task	Description	S1	S2	S3	S4	S5	S6	S7	S8
1	Task 0	management, diffusion, and valorization								
2, 4, 5	Task 1	Obtention 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)

Final report, DMP, Publications

10h10 : Advancement on Task 4: DILI predictive model

Eva, Ambre, Hugo

→ Presentation of the last experimental results made at BIOPREDIC by Ambre, with the Ana's chip (20mn)

→ Presentation of results of protein expression analysis (10mn)

10h40 : What can (or cannot) be used for industrial application, what is promising and should be investigated

Discussion animated by Christophe, all members of Dili (10mn)

10h50 : Perspectives of European call (New approach methodologies, February 2026)

Estelle Schaeffer, Christophe Chesné (15mn)

11h05 : Discussion on the biochip technology (Task 2)

Discussion animated by Benoit & Alan, all members of Dili (20mn)

11h25 : BREAK (5mn)

11h30 : Discussion on the gel approach (Task 2)

Discussion animated by Teresa & Alan, all members of Dili (20mn)

11h50 : Discussion of the cellularization of biochips (Task 1 & Task 3)

Discussion animated by Jean-Charles, all members of Dili (30mn)

12h20 : Discussion on the reporting of the ANR

Discussion animated by Bruno, all members of Dili (30mn)

12h50 : General discussion and conclusion

13h : end of the meeting