



smart and multiFunctional 3D printable pro-Regenerative biologiCal matrix modulating
mEchanotRansduction as advancEd therAPy to treAt skin chRonic wounds

5th Progress Meeting

Agenda

- Dates:** June 5th - 6th 2025
- Place:** CAAD (Translational Research Centre for Autoimmune and Allergic Diseases)
Aula magna
[Corso Trieste 15A](#)
Novara, Italy
- Remote connection:** **TBD**

5th Progress Meeting; June 5 th , 2025		
Time	Topic	Person in charge
08:45 – 09:00	Arrival & registration	
09:00 – 09:10	Host Welcome	UPO
09:10 – 09:20	Welcome	Damien Dupin (CID)
WP7 Project Management		
09:20 – 09:25	Task 7.1 Implementation of efficient management & support structures.	Ema Čerimagić (RISE)
09:25 – 09:30	Task 7.2 Scientific coordination, quality assurance & risk management.	Ema Čerimagić (RISE)
09:30 – 09:35	Task 7.3 Legal & contractual setting.	Ema Čerimagić (RISE)
09:35 – 09:40	Task 7.4 Reporting, financial management & controlling.	Ema Čerimagić (RISE)
WP1 Bioinks Formulation, Characterization & Testing		
09:40 – 09:50	Task 1.3 Formulation & Rheological properties of the combined bioinks	Damien Dupin (CID)
09:50 – 10:05	Task 1.5 Release & biodegradability studies of the combined bio-ink	Damien Dupin (CID)
10:05 – 10:20	Task 1.4 Study of the bioadhesive properties	Marta Pollini (UNIPV)
10:20 – 10:30	Task 1.6 Preliminary 3D printing of formulated bioinks	Alex Fernández (IDO)
WP2 Design and development of customized 3D bioprinting protocol		
10:30 – 10:40	Task 2.2: Design and development of the customized 3D bioprinter prototype	Alex Fernández (IDO)
10:40 – 10:55	Task 2.3: Design and development of a new high-level software for customized 3D printing trajectories	Maialen Zelaia (VICOM)
10:55 – 11:10	Task 2.4: Development of a new software for mechanical simulation of the wound dressing model	(VICOM)
11:10 – 11:30	Coffee break	
WP3 Selection via In vitro and ex vivo testing		
11:30 – 11:50	Task 3.1 Antibacterial Properties & Biofilm interaction of bioink and combined product.	Lia Rimondini (UPO)
11:50 – 12:10	Task 3.2 Innervation and angiogenesis in vitro studies.	Hugo de Oliveira (INSERM)
12:10 – 12:30	Task 3.3 In vitro cytotoxicity & cell recruiting.	Begoña Castro (HCELL)
12:30 – 12:45	Task 3.4 Immunological response of the 3D printed scaffold and its components.	Annalisa Chiocchetti (UPO)

12:45 – 13:00	Task 3.5 Bioadhesive properties and contractile force on relevant tissue.	Marta Pollini (UNIPV)
13:00 – 13:15	Task 3.6 Efficacy of the individual and combined biological compounds on Human wound exudates.	Petra Dörfler (AKR)
13:15 – 14:15	Lunch	
WP4 In Vivo biocompatibility and Validation		
14:15 – 14:30	Task 4.1 Evaluation of bio-ink and its component on acute wound pig model.	Petra Kotzbeck (JOAN)
14:30 – 14:45	Task 4.2 In vivo biocompatibility and immunological studies	(UPO)
14:45 – 15:00	Task 4.4 Generation of an aged/diabetic pig model.	Petra Kotzbeck (JOAN)
Wrap up		
15:00 – 15:15	Wrap up 1st day	All
Social Activity		
16:30 – 18:00	San Gaudenzio Dome Tour Via Gaudenzio Ferrari, 13, 28100 Novara	All
Dinner at 20:00 at TBD		

5th Progress Meeting; June 6th, 2025		
Time	Topic	Person in charge
09:00 – 09:10	Welcome 2nd day	Damien Dupin (CID)
WP5 Preclinical regulatory affairs & Manufacturing process		
09:10 – 09:25	Task 5.1 Regulatory pathway.	Jon Giblin (ASPH)
09:25 – 09:40	Task 5.2 QbD of Bioink and its components.	Damien Dupin (CID)
09:40 – 09:55	Task 5.3 Scale-up & production of the bio-ink and 3D printed dressing GMP-like conditions.	Damien Dupin (CID)
09:55 – 10:10	Task 5.4 SOPs of multifunctional 3D printed dressing.	Damien Dupin (CID)
WP6 Exploitation strategy, Dissemination & Communication		
10:10 – 10:15	Task 6.1 Project communication.	(RISE)
10:15 – 10:20	Task 6.2 Dissemination of project results.	(RISE)
10:20 – 10:30	Task 6.3 IPR Strategy.	(RISE)
10:30 – 10:45	Task 6.4 HTA, health economics and marketability	Kristina Randlová (BETT)
Wrap up		
10:45 – 11:30	Wrap up & Conclusions	All
End of meeting		