

MDR Flagship meetings 2021

June 2nd, 2021 – Flagship 2 & 3

Program

9:00 – 10:00	MDR PI meeting
10:00 – 11:15	Materials-driven cardiovascular regeneration (F2/F3)
11:15 – 11:30	Break
11:30 – 12:45	Materials-driven musculoskeletal regeneration (F2/F3)
12:45 – 13:00	Closing remarks

Join the meeting via Microsoft TEAMS Meeting in the Outlook invitation or here:

[MDR Flagship meeting June 2nd, 2021](#)

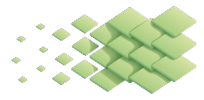
July 7th, 2021 – Flagship 1 & 3

Program

10:00 – 11:00	Towards intelligent materials that instruct, sense and respond to biology (F1.1)
11:00 – 12:00	Digitalizing life at the interface - understanding of biology and cell behavior using materials arrays (F1.2)
12:00 – 12:15	Closing Remarks – Patricia Dankers
12:15 – 13:15	Materials-driven solutions for the regeneration of essential kidney functions (F3.3)
13:15 – 13:30	Closing Remarks – Marianne Verhaar

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[MDR Flagship meeting July 7th 2021](#)



Materials-driven cardiovascular regeneration

Chair: Anthal Smits, Caroline Cheng, Joost Sluijter

Moderator: Carlijn Bouten

Duration: 75 min

Goal: discuss which fundamental questions are typical MDR (within this Flagship) and should be the focus for the upcoming years

Questions:

- What did we accomplish so far?
- What can we improve and/or what should we not do anymore?
- Which fundamental questions are raised within this Flagship?

Researchers involved in Materials-driven cardiovascular regeneration:

2.1 Materials-driven in situ heart valve regeneration		
Location	PIs	Young talents
Eindhoven	Carlijn Bouten, Anthal Smits	Dewy van der Valk, Bente de Kort
Maastricht	-	-
Utrecht	-	-
2.2 Materials-driven in situ artery regeneration		
Location	PIs	Young talents
Eindhoven	-	-
Maastricht	-	-
Utrecht	Marianne Verhaar, Caroline Cheng	Christian van Dijk, Merle Maas-Krebber, Elana Meijer, Ranganath Maringanti
3.2 Regenerating coordinated contraction in cardiac muscle		
Location	PIs	Young talents
Eindhoven	Carlijn Bouten, Nicholas Kurniawan	Dylan Mostert, Atze van der Pol
Maastricht	-	-
Utrecht	Eva van Rooij, Joost Sluijter, Alain van Mil	Su Ji Han, Nino Chirico



Materials-driven musculoskeletal regeneration

Chair: Sabine van Rijt, Jos Malda, Roman Truckenmüller

Moderator: Pamela Habibovic

Duration: 75 min

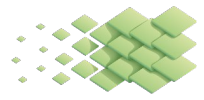
Goal: discuss which fundamental questions are typical MDR (within this Flagship) and should be the focus for the upcoming years

Questions:

- What did we accomplish so far?
- What can we improve and/or what should we not do anymore?
- Which fundamental questions are raised within this Flagship?

Researchers involved in Materials-driven musculoskeletal regeneration:

2.3 Materials-driven in situ bone regeneration		
Location	PIs	Young talents
Eindhoven	Keita Ito, Sandra Hofmann	Sana Ansari
Maastricht	Pamela Habibovic, Sabine van Rijt	Aygul Zengin, Darragh Crosbie, Yonggang Zhang, Lei He
Utrecht	-	-
2.4 Materials-driven in situ cartilage and intervertebral disc regeneration		
Location	PIs	Young talents
Eindhoven	Keita Ito, Jasper Foolen	Marloes van Mourik
Maastricht	-	-
Utrecht	Jos Malda, Miguel Dias Castilho, Tina Vermonden	Madison Ainsworth, Martina Viola
3.1 Regenerating the soft tissue-to-bone interface		
Location	PIs	Young talents
Eindhoven	-	-
Maastricht	Pamela Habibovic, Roman Truckenmüller, Stefan Giselbrecht	Francesca Giacomini
Utrecht	-	-



Towards intelligent materials that instruct, sense and respond to biology

Chair: Patricia Dankers, Hans Clevers

Moderator: Patricia Dankers

Duration: 60 min

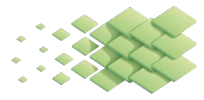
Goal: discuss which fundamental questions are typical MDR (within this Flagship) and should be the focus for the upcoming years

Questions:

- What did we accomplish so far?
- What can we improve and/or what should we not do anymore?
- Which fundamental questions are raised within this Flagship?

Researchers involved in F1.1:

1.1 Towards intelligent materials that instruct, sense and respond to biology		
Location	PIs	Young talents
Eindhoven	Patricia Dankers, Bert Meijer	Silvia Varela Aramburu (t/m juni 2020), Laura Rijns, Moniek Schmitz
Maastricht	-	-
Utrecht	Hans Clevers	Wim de Lau, Daniel Krueger



Digitalizing life at the interface - understanding of biology and cell behavior using materials arrays

Chair: Jan de Boer, Aurélie Carlier

Moderator: Patricia Dankers

Duration: 60 min

Goal: discuss which fundamental questions are typical MDR (within this Flagship) and should be the focus for the upcoming years

Questions:

- What did we accomplish so far?
- What can we improve and/or what should we not do anymore?
- Which fundamental questions are raised within this Flagship?

Researchers involved in F1.2:

1.2 Digitalizing life at the interface - understanding of biology and cell behavior using materials arrays		
Location	PIs	Young talents
Eindhoven	Patricia Dankers, Jan de Boer, Sandra Loerakker	Jasper Aarts, Milica Nikolic
Maastricht	Aurélie Carlier, Martijn van Griensven	Zeynep Karagöz
Utrecht	-	-



Materials-driven solutions for the regeneration of essential kidney functions

Chair: Stefan Giselbrecht, Marianne Verhaar, Patricia Dankers

Moderator: Marianne Verhaar

Duration: 60 min

Goal: discuss which fundamental questions are typical MDR (within this Flagship) and should be the focus for the upcoming years

Questions:

- What did we accomplish so far?
- What can we improve and/or what should we not do anymore?
- Which fundamental questions are raised within this Flagship?

Researchers involved in Materials-driven solutions for the regeneration of essential kidney functions:

3.3 Materials-driven solutions for the regeneration of essential kidney functions		
Location	PIs	Young talents
Eindhoven	Patricia Dankers	Laura Rijns
Maastricht	Stefan Giselbrecht, Roman Truckenmüller	Martijn Kern, Jay Samal
Utrecht	Marianne Verhaar, Bas van Balkom, Hans Clevers, Miguel Dias Castilho, Caroline Cheng, Roos Masereeuw, Maarten Rookmaaker	Vivian Nguyen, Carla Pou Casellas, Murillo Bernardi, IJsbrand Vermue