

SHIELD Summer School & Mid-Term Check

Programme 27 September - 2 October 2026 (On-site)

LOCATION

Møller Institute,
Churchill College,
Cambridge, UK

ORGANISERS

SHIELD DN Project
Web address: www.shield-dn.eu/en
Meeting organiser: Serena Best
University of Cambridge, UK

FUNDING

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27 September

Sunday

19:30 — Welcome Buffet Dinner (Doctoral Candidates) Møller Institute, Churchill College, Cambridge

28 September

Monday

Session 1: TM3 Biomaterials synthesis & characterisation

08:45–09:00 — Welcome and Introduction	Moderator: Serena Best
09:00–10:00 — *Biomaterials and Tissue Engineering for Regenerative Medicine	Daniel Bax
10:00–10:45 — *Macromolecular Biomaterials	Ruth Cameron
10:45–11:15 — Coffee Break	
11:15–12:15 — *Bioceramics	Serena Best
12:15–12:45 — Lunch Break	
12:45 — Transfer to the Department of Materials	

Session 2: TM3 Biomaterials synthesis & characterisation

Moderator: Serena Best	
13:15–13:45 — X-ray diffraction	Giulio Lampronti
13:45–14:15 — Surface topography characterisation methods	Aisha Mariam
14:15–14:45 — Basics of mechanical testing of biomaterials	Andrew Rayment
14:45 – 15:00 — (Short comfort Break)	
15:00–15:30 — Electron microscopy (SEM)	Gunnar Kusch
15:30–16:00 — Electron microscopy (TEM)	Amoghavarsha Mahadevegowda
16:00–16:15 — Coffee Break	
16:15 - 17:30 — “Hands on” Laboratory Session	Daniel Bax
17:30–19:30 — Dinner and Team-building Activity (Doctoral Candidates)	

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Tuesday

Session 3: SC3 Communication and Dissemination

Moderator: Margarita Trobos

09:00–09:30 — Scientific oral presentations: components and format

Liliana Morales Laverde

09:30–10:00 — Scientific oral presentations: giving the talk

Margarita Trobos

10:00–10:30 — Coffee Break

10:30–12:00 — Oral presentations practical workshop

Margarita Trobos
Liliana Morales Laverde

12:00–13:00 — Lunch Break

13:00–17:00 — Video production and editing workshop

Floriana Vindigni

20:00 — Buffet Dinner Møller Institute, Churchill College, Cambridge

30 September

Wednesday

Mid-Term Check

Session 4: Introductions, Presentations by PO & Coordinator

Moderator: Margarita Trobos	
08:15-08:30 — Opening of the virtual room and technical check for remote participation by the REA Project Officer	
08:30-08:35 — Introduction on the purpose of the meeting by the REA Project Officer and Project Coordinator	Gergana Simeonova-Arida Margarita Trobos
08:35-09:15 — Tour de table: All scientists-in-charge briefly present their research team and role within the network (~3 min/each)	Margarita Trobos & Ola Rolfson (UGOT), Martijn Riool (UHREG), Michael Gelinsky (TUD), Tadhg Ó Cróinín (UCD), Paola Rizzi (UNITO), Håvard Jostein Haugen (UiO), Iñigo Lasá (FMS), Carme Nogués (UAB), Serena Best (UCAM), Melissa Grant (UoB), Nicolas Courtois (ANTHOGRY), Patrick Duffy (ASHLAND), Fintan Moriarty (ARI)
09:15-09:30 — Introduction of Associated Partners (~1 min/each)	Pontus Lundberg (Amicoat), Marsel Ganeyev (Oticon Medical), Birgitte Grosogeat (UCBL & HCL), Oran Kennedy (RCSI), Sebastian Vogt (Heraeus), Paulina Rakowska (SOTON), Darla Goeres (MSU), Ståle Petter Lyngstadaas (Corticalis), Lotte Jaspers (YR), Martijn Riool (UREG), Iñigo Lasá (UPNA), Jerry Reen (UCC)
09:30-09:45 — REA Project officer presentation: purpose of the meeting	Gergana Simeonova-Arida
09:45-10:30 — Coordinator's report: presentation of the Network and the progress covering various aspects	Margarita Trobos
10:30-11:00 — Coffee Break	
Moderator: Carme Nogués	
11:00-12:00 — Doctoral Candidate Presentations (10 min/each) - DC1: Hasti Moghaddam - DC2: Martina Gorla - DC3: Glória Papdi - DC4: Gisela García Pérez - DC5: Serena Garrick - DC6: Ayush Bhattacharya	

Moderator: Serena Best	
12:00–13:00 — Doctoral Candidate Presentations (10 min/each)	
- DC7: Humaira Choudhury - DC8: Ana Centeno Pereira Brito Duarte - DC9: Ombretta Balbi - DC10: Jinal Manek - DC11: Clara Hermann - DC12: Hawrez Ismael	
13:00–14:00 — Lunch Break	
Moderator: Tadhg Ó'Cróinín	
14:00–14:40 — Doctoral Candidate Presentations (10 min/each)	
- DC13: Juvairia Kottaparambel Khaleel Rahman - DC14: Alessandra Bosc - DC15: Satar Yousefiasl - DC16: Sarah Louise Baldwin	
Session 5: Restricted sessions	
14:45–15:45 — Restricted session with the DCs	Gergana Simeonova-Arida All 16 DCs
15:45–16:00 — Restricted session between Project Officer and Coordinator	Gergana Simeonova-Arida Margarita Trobos
Session 6: Feedback open session	
16:00–16:30 — Feedback from the REA Project Officer and open discussion	Gergana Simeonova-Arida
16:30–16:35 — Concluding remarks and end of Mid-Term Check	Margarita Trobos
19:30 — Networking Dinner (Newnham College)	

1 October

Thursday

Session 7: TM4 (Part I)

Moderator: Ola Rolfson

09:00–10:00 — *Cell–Material Interactions: How Surface Properties Shape Cellular Behaviour

Andreu Blanquer

10:00–11:00 — *Biocompatibility Assessment of Biomaterials: Tools, Models and Challenges

Carne Nogués

11:00–11:30 — Coffee Break

Session 8: Small Group Meetings

Small group meetings for collaboration (January–June 2027)

Moderator: Margarita Trobos

11:30–11:50	DC1/DC2: UGOT – Heraeus	DC4: FMS – UHREG*	DC7: UAB – UGOT/Oticon	DC5: UCD – Amicoat	DC11: Anthogyr – UNITO	DC12: Ashland – RCSI
11:50–12:10	DC1: UGOT – UoB	DC2: UGOT – ARI	DC8: UCAM – Ashland	DC9: UHREG – TUD	DC13: UNITO – Anthogyr	DC10: UGOT – Amicoat
12:10–12:30	DC10: UGOT – UCAM	DC4: FMS – UAB	DC15: UiO – Corticalis	DC14: TUD – UHREG	DC16: ARI – UCC	DC12: Ashland – UCD

*Phages

12:30–13:30 — Lunch Break

Session 9: TM4 (Part II)

Moderator: Nicolas Courtois

13:30–14:15 — *Ti based amorphous alloys as biocompatible implants

Paola Rizzi

14:15–15:00 — *Biocompatibility and antibacterial properties of inorganic surfaces

Francesco Turci

15:00–15:30 — Coffee Break

15:30–16:15 — *Inflammation

Heithem Ben Amara (online)

16:15–17:00 — *Osseointegration - from history to today

Anders Palmquist

19:30 — Networking Dinner Møller Institute, Churchill College, Cambridge

2 October

Friday

Session 10: SHIELD DN Boards & Committees

Moderator: Martijn Riool

08:30 – 09:15 — Committees related to Work Packages: Parallel sessions I

A: Recruitment & Equal Opportunities
Committee (REOC)
Chair: Margarita Trobos

B: Dissemination, Exploitation & Communication Committee (DEC)
Chair: Paola Rizzi

C: Doctoral Candidates
Committee (DCC)
Chair: Alessandra Bosc

D: External Expert
Advisory Board
(EEAB)

09:15–10:00 — Committees related to Work Packages: Parallel sessions II

E: Doctoral Training Committee (DTC)
Chair: Carme Nogués

F: Research Coordination Committee (RCC)
Chair: Martijn Riool

10:00–10:30 — Coffee Break

10:30–12:00 — Supervisory Board (SB) meeting (Beneficiaries (including IEA), EEAB and 2 DC representatives)

12:00–13:00 — Lunch and Departure (and optional visit to the Department of Materials Science and Metallurgy)

*Open session (online link to be provided)

Speakers:

Daniel Bax - University of Cambridge, United Kingdom

Professor Ruth Cameron - University of Cambridge, United Kingdom

Professor Serena Best - University of Cambridge, United Kingdom

Giulio Lampronti - University of Cambridge, United Kingdom

Aisha Mariam - University of Cambridge, United Kingdom

Andrew Rayment - University of Cambridge, United Kingdom

Gunnar Kusch - University of Cambridge, United Kingdom

Amoghavarsha Mahadevegowda - University of Cambridge, United Kingdom

Liliana A. Morales Laverde - University of Gothenburg, Sweden

Margarita Trobos - University of Gothenburg, Sweden

Floriana Vindigni - Università degli Studi di Torino, Italy

Andreu Blanquer - Universitat Autònoma de Barcelona, Spain

Carme Nogués - Universitat Autònoma de Barcelona, Spain

Paola Rizzi - Università degli Studi di Torino, Italy

Francesco Turci - Università degli Studi di Torino, Italy

Heithem Ben Amara - University of Gothenburg, Sweden

Anders Palmquist - University of Gothenburg, Sweden