

14 April (Monday)

- 8:30 - 18:30 **Registration**
- 9:00 - 9:05 **Welcome**
Speaker: Malda Jos (NL)
- 9:05 - 9:30 **Defining the Field: Joint Preservation from Bedside to Bench and Back**
Speaker: Custers Roel (NL) Speaker: Van Egmond Nienke (NL)
- 9:30 - 10:15 **My Journey in Cartilage Regeneration and Joint Preservation**
Speaker: Grande Daniel (US)
- 10:15 - 10:45 **Break + Walk to Labspace**
- 10:45 - 11:00 **The Concepts of Chondrocyte Isolation**
Speaker: Van Osch Gerjo (NL)
- 11:00 - 12:00 **Chondrocyte Isolation in Practice (Hands-on/Lab)**
Instructor: Korpershoek Jasmijn (NL)
- 12:00 - 12:15 **Short Break / Unforeseen Lab Time**
- 12:15 - 13:15 **How to Make Clinical Impact with Translational and Fundamental Research (1+1=3)**
Speaker: Saris Daniel (US) Speaker: Vonk Lucienne (DE)
- 13:15 - 14:15 **Lunch Break**
- 14:15 - 16:15 **Chondrocyte Seeding in Monolayers, 3D Scaffolds and Bio-inks (Hands-on/Lab)**
Instructor: Korpershoek Jasmijn (NL)
- 16:15 - 16:30 **Short Break**
- 16:30 - 17:00 **The Secrets of the Cartilage ECM**
Speaker: Zaucke Frank (DE)
- 17:30 - 19:30 **Move to City / Welcome Reception**

15 April (Tuesday)

- 8:30 - 9:00 **Introduction into Bioprinting of Cartilage and 3D Surgical Planning**
Speaker: Malda Jos (NL)
- 9:00 - 9:30 **Bioprinting Technologies**
Speaker: Levato Riccardo (NL)
- 9:30 - 11:00 **Bioprint Cells (Small Group Demos) (Hands-on/Lab)**
Speaker: De Ruijter Mylene (NL) Speaker: Nguyen H. Chien (NL)
- 11:00 - 11:30 **Break**
- 11:30 - 12:00 **In Vitro Models of Cartilage**
Speaker: Ito Keita (NL)
- 12:00 - 13:30 **On Chip Systems (Hands-on/Lab)**
Instructor: De Ruijter Mylene (NL)
- 13:30 - 14:30 **Lunch Break**

- 14:30 - 15:00 **Bone Quantification Using Micro CT Imaging**
Speaker: Rios Jaqueline Lourdes (NL) Speaker: Weinans Harrie (NL)
- 15:00 - 16:00 **Cartilage and Bone Assessment (Histology and Scoring of Cartilage and Bone) (Hands-on/Lab)**
Instructor: van Rijen Mattie (NL)
- 16:00 - 17:00 **Bone Quantification (micro CT) Potentially with 3D Lab (Hands-on/Lab)**
Instructor: Warmink Kelly (NL) Instructor: Weinans Harrie (NL)
- 19:00 - 22:30 **Course Dinner**

16 April (Wednesday)

- 8:30 - 10:30 **In Vivo (large animal) Models**
- 30 min **Horse as Translational Model**
Van Weeren René (NL)
 - 30 min **Species Differences**
Malda Jos (NL)
 - 30 min **Demo Gait and Tour and Tour of the Equine Facilities**
Brommer Harold (NL)
 - 30 min **Demo OC Defect Model Preparation in the Wetlab**
De Ruijter Mylene (NL) Malda Jos (NL)
- 10:30 - 11:00 **Break**
- 11:00 - 12:00 **Back to the Clinic (Video surgery) / Wrap up**
Speaker: Custers Roel (NL) Speaker: Van Egmond Nienke (NL)