**HAV919V. Physiopathologie intégrée : Tronc commun mutualisé à tous M2 Biologie santé tronc commun, TC N°4.**

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| CM | S37 | S38 | S39 | S40 | S41 |
| **Time** | **Mardi 12/09/2023** | **Mardi 19/09/2023** | **Mardi 26/09/2023** | **Mardi 03/10/2023** | **Mardi 10/10/2023** |
| **13:15-14:45** | **S. Matecki & F. Perrin**  *Introduction TC4 and FHU REGENHAB*  **SC1.O1** | **Y. Gerber**  *Ethics of animals use in research*  **SC1.O1** | **O. Jonquet**  *Ethics of clinical research*  **SC1.O1** | **A Kheddar**  *Introduction: Bionics*  **SC1.O1** | **G. Poulen**  *Deep brain stimulations*  **SC1.O1** |
| **15:00-16:30** | **L. Visier**  *Introduction: chronic diseases*  **SC1.O1** | **A Meli**  *Introduction:* *Organoids and organ-on-chip for cardiac pathophysiology in humans*  **SC1.O1** | **F. Rage**  *Modeling a 2D mature and functional human neuromuscular junction using microfluidics devices*  **SC1.O1** | **T. Guiho/ C. Fatal**  *Implants à visée de restauration des fonctions motrices.*  **SC1.O1** | **S. Matecki**  *Repair and regeneration of skeletal muscle.*  **SC1.O1** |
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|  | **Vendredi 15/09/2023** | **Vendredi 22/09/2023** | **Vendredi 29/09/2023** | **Vendredi 06/10/2022** | **Vendredi 13/10/2023** |
| **8:00-09:30** | **J.P. Cristol**  *Introduction: oxydative stress*  **SC1.O1** | **J. de Vos**  *Tissue engineering applied to lung tissue*  **SC1.O1** | **K. Yauy**  *Artificial intelligence and medicine*  **SC1.O1**  **S. Matecki**  *Tissue engineering applied to muscle tissue*  **SC1.O1** | **T. Guiho/ C. Fatal**  *Implants à visée de restauration des fonctions motrices.*  **SC1.O1** | **Y M Pers**  *“The bionic revolution in the management of osteoarthritis: challenges and perspectives*  **SC1.O1** |
| **9:45-11:15** | **L. Dagneaux**  **SC1.O1** | **C. Rivat**  *Pulsed radiofrequency in a pain context*  **SC1.O1** | **T. Guiho/ C. Fatal**  *Implants à visée de restauration des fonctions motrices.*  **SC1.O1** | **F. Perrin**  Augmented Human  **A5.06** |