**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 10/09/2024** | **Mardi 17/09/2024** | **Mardi 24/09/2024** | **Mardi 01/10/2024** | **Mardi 08/10/2024** |
| **13:15-14:45** | **S. Matecki & F. Perrin***Introduction TC4 and FHU REGENHAB****SC 12.01*** | **S. Matecki***Tissue engineering applied to muscle regeneration****SC 1.01*** | **C. Raoul***Gene therapy and ALS****SC 1.01*** |  | **C. Rivat** Pulsed radiofrequency in a pain context***SC 1.01*** |
| **15:00-16:30** | **L. Visier** *Chronic diseases****SC 12.01*** | ***G. Poulen****Deep brain stimulation****SC 1.01*** | ***G. Poulen****Gene therapy* ***SC 1.01*** | **YM. Pers**The revolution 2.0 in the management of osteoarthritis: challenges and perspectives***SC 1.01*** | ***J. De vos****Cellular therapy in primary ciliary dyskinesia – towards a proof of concept for chronic respiratory diseases****SC 1.01*** |
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|  | **Vendredi 13/09/2024** | **Vendredi 20/09/2024** | **Vendredi 27/09/2024** | **Vendredi 04/10/2024** | **Vendredi 11/10/2024** |
| **8:00-09:30** | **J P Cristol***Oxidative stress: From toxicity to cell interactions****SC 1.01*** | **C. Fattal***Technologies avancées d’Assistance oude Suppléance de la déficience motricechez la personne lésée médullaire.****SC 1.01*** | ***K. YAUY****AI applied to medicine****SC 1.01*****A. Meli** *Organ-on-a-chip and organoidsto model the cardiac pathophysiology****SC 1.01*** | **D. Guiraud** *Amputees* ***SC 1.01*** | **L. Dagneaux**Le genou prothétique « augmenté » Mythe ou réalité ?***SC 1.01*** |
| **9:45-11:15** | **O. Jonquet** Ethics of clinical research***SC 1.01*** | **A. Kheddar***Introduction to bionics****SC 1.01*** | **Y. Gerber**Ethics and animal experimentation***SC 1.01*** | **F. Perrin** *Augmented human****SC 1.01*** |