

Date et lieu : le 04/07/2025, 14h00 Amphi Ricordeau

Sofiane Hamidi nous présentera un séminaire intitulé : "Comparative analysis of human and non-human primate (NHP) axial development"



Area of interest:

Pluripotency, developmental biology, bioengineering

Education:

PhD Denis Diderot (Paris) University
Master Denis Diderot (Paris) University
Bachelor Rennes des sciences (Paris) University

Academic/Professional Experiences:

- 1- Program specific researcher WPI-ASHBi (World Premier Institute Institute for the Advanced Study of Human Biology), Kyoto University - 2021-present
- 2- Research scientist IRCMS (International Research Center for Medical Sciences), Kumamoto University - 2016 – 2021
- 3- PhD Student Institut Gustave Roussy

Selected Publications:

1. Reconstituting human somitogenesis in vitro.
Yamanaka Y*, **Hamidi S***, Yoshioka-Kobayashi K, Munira S, Sunadome K, Zhang Y, Kurokawa Y, Ericsson R, Mieda A, Thompson JL, Kerwin J, Lisgo S, Yamamoto T, Moris N, Martinez-Arias A, Tsujimura T, Alev C. Nature. 2023 Feb;614(7948):509-520. doi: 10.1038/s41586-022-05649-2. Epub 2022 Dec 21. PMID: 36543322
2. NPAS4L is involved in avian hemangioblast specification.
Weng W, Nagai H, **Hamidi S**, Sheng G. Haematologica. 2020 Nov 1;105(11):2647-2650. doi: 10.3324/haematol.2019.239434. PMID: 33131254
3. Mesenchymal-epithelial transition regulates initiation of pluripotency exit before gastrulation.
Hamidi S, Nakaya Y, Nagai H, Alev C, Kasukawa T, Chhabra S, Lee R, Niwa H, Warmflash A, Shibata T, Sheng G. Development. 2020 Feb 3;147(3):dev184960. doi: 10.1242/dev.184960. PMID: 32014865
4. Fucoidan promotes early step of cardiac differentiation from human embryonic stem cells and long-term maintenance of beating areas.
Hamidi S, Letourneur D, Aid-Launais R, Di Stefano A, Vainchenker W, Norol F, Le Visage C. Tissue Eng Part A. 2014 Apr;20(7-8):1285-94. doi: 10.1089/ten.TEA.2013.0149. Epub 2014 Feb 14. PMID: 24354596
5. Heterozygous and homozygous JAK2(V617F) states modeled by induced pluripotent stem cells from myeloproliferative neoplasm patients.
Saliba J, **Hamidi S**, Lenglet G, Langlois T, Yin J, Cabagnols X, Secardin L, Legrand C, Galy A, Opolon P, Benyahia B, Solary E, Bernard OA, Chen L, Debili N, Raslova H, Norol F, Vainchenker W, Plo I, Di Stefano A. PLoS One. 2013 Sep 16;8(9):e74257. doi: 10.1371/journal.pone.0074257. eCollection 2013. PMID: 24066127

Reviews

1. In vitro models of pre- and post-gastrulation embryonic development.
Hamidi S, Alev C. Curr Opin Genet Dev. 2022 Dec;77:101985. doi: 10.1016/j.gde.2022.101985. Epub 2022 Oct 13. PMID: 36244078
2. Epithelial-Mesenchymal Transition Drives Three-Dimensional Morphogenesis in Mammalian Early Development.
Ismagulov G*, **Hamidi S***, Sheng G. Front Cell Dev Biol. 2021 Feb 11;9:639244. doi: 10.3389/fcell.2021.639244. eCollection 2021. PMID: 33644076
3. Biomechanical regulation of EMT and epithelial morphogenesis in amniote epiblast.
Hamidi S, Nakaya Y, Nagai H, Alev C, Shibata T, Sheng G. Phys Biol. 2019 Apr 23;16(4):041002. doi: 10.1088/1478-3975/ab1048. PMID: 30875695
4. Epithelial-mesenchymal transition in haematopoietic stem cell development and homeostasis.
Hamidi S, Sheng G. J Biochem. 2018 Oct 1;164(4):265-275. doi: 10.1093/jb/mvy063. PMID: 30020470