

# Irene AKSOY Ph.D.



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## EDUCATION

Dr. Aksoy obtained Ph.D. in Life Sciences and Developmental Biology at University Claude Bernard Lyon 1 in 2008 and M.S. in Differentiation, Genetic and Immunology at University Claude Bernard Lyon 1 in 2004.

## EXPERTISE

Dr. Aksoy interests include the molecular regulation of naive pluripotency in human and non-human primate pluripotent stem cells, and the generation of intra- and interspecific chimeras for developmental studies.

## PATENTS

- **2010** : 61/272,793 Mutant Sox proteins and methods of inducing pluripotency (Filed) Co-inventors: Aksoy, I; Stanton, LW; Kolatkar, PK and Jauch, R.

## SELECTED PUBLICATIONS

1. Anwised, P., Moorawong, R., Samruan, W., Somredngan, S., Srisutush, J., Laowtammathron, C., Aksoy, I., Parnpai R, Savatier P. 2023. An expedition in the jungle of pluripotent stem cells of non-human primates. *Stem Cell Reports*. 18(11): 2016-2037.
2. Aksoy, I., Rognard, C., Moulin, A., Marcy, G., Masfarau, E., Wianny, W., Cortay, V., Bellemin-Menard, A., Doerflinger, N., Dirheimer, M., Mayère, C., Lynch, C., Raineteau, O., Joly, T., Dehay, C., Afanassieff, M., Savatier, P. 2021. Apoptosis, G1 phase stall and premature differentiation account for low chimeric competence of Human and rhesus monkey naive pluripotent stem cells. *Stem Cell Reports*. 16(1): 56-74.
3. Lynch, C.J., Bernard, R., Martinez-Val, A., Shahbazi, M., Nobrega-Pereira, S., Calvo, I., Balco, C., Richart-Gines, L., Grana-Castro, O., Gomez-Lopez, G., Ortega, S., Aksoy, I., Prieto, S., Fernandez, A.F., Sierra, Zapico, M.I., Fraga, M., Pastor, J., Savatier, P., Fisher, D., Muñoz, J., Zernicka-Goetz, M., Serrano, M. 2020. Global hyperactivation of enhancers stabilizes human and mouse naive pluripotency. *Nature Cell Biology*. 22(10): 1223-1238.

Dr. Aksoy is a scientist at the National Institute for Health and Medical Research (INSERM) and Principal Investigator at the Stem Cell and Brain Research Institute, Lyon, France. She worked at the Genome Institute of Singapore in Singapore, before joining the INSERM. She is interested in molecular and cellular mechanisms underlying embryo colonization by pluripotent stem cells in primates.

## ACADEMIC APPOINTMENTS

- **2015 - present** : Principal investigator at the Stem Cell and Brain Research Institute (INSERM U1208)
- **2013** : Research Scientist at SBRI, INSERM U846, Lyon, FRM postdoctoral fellow; Research Scientist at the Genome Institute of Singapore (GIS) in the Stem Cell and Developmental Biology Department (SCBD) headed by Larry Stanton Promoted
- **2011 - 2013** : Research Associate at GIS in the SCBD headed by Larry Stanton Promoted
- **2009 - 2011** : Post-doctoral fellow at GIS in the SCBD headed by Larry Stanton Promoted
- **2004 - 2008** : Ph.D. student at the Brain and Vision Institute. Ph.D. supervisor: Pierre Savatier