Alisa TUBSUWAN Ph.D.

alisa.tub@mahidol.ac.th

Dr. Alisa is currently an Assistant Professor at the Institute of Molecular Biosciences (MB), Mahidol University, Nakhorn-Pathom, Thailand. She worked at the Laboratoire de Thérapie Génique et Cellulaire, Service des Thérapies Innovantes, UMR_E007, Institut François Jacob, CEA de Fontenay-aux-Roses, France, and Bioneer in Hørsholm, Denmark, before becoming a faculty member at the MB.

EDUCATION

She received her B.Sc. (1st class) in Medical Technology from Chiang Mai University and a Ph.D. in Biochemistry from Mahidol University, Thailand.

EXPERTISE

Her research interests focus on utilizing human pluripotent stem cells for disease modelling and developing innovative therapeutic strategies.

ACADEMIC APPOINTMENTS

- **2014 - present** : Assistant Professor at Institute of Molecular Biosciences, Mahidol University, Nakhonpathom, Thailand 2017 : Research Fellow at Laboratoire de Thérapie Génique et Cellulaire, Service des Thérapies Innovantes, UMR_E007, Institut François Jacob, CEA de Fontenay aux Roses
- **2014** : Post-doctoral fellowship at Bioneer's company, Horsholm, Denmark
- **2012 - 2013** : Post-doctoral fellowship at Thalassemia Research Center, Institute of Molecular, Bioscience

AWARDS AND HONORS

- **2017** : Fondation pour la Recherche Médicale group award
- **2015** : Laureate of the Prize of the French Academy of Science and "Fondation Ramsay Générale de Santé" for Stem Cells. 2005 : Contrat d'interface INSERM/Hospices civils de Lyon
- **2004** : Laureate of the Bettencourt-Schueller Foundation "Coup d'élan pour la recherche".
- **2003** : AVENIR/ATIP award

SELECTED PUBLICATIONS

1. Kangboonruang, K., Pornsukjantra, T., Tong-Ngam, P., Chokpanuwat, T., Tim-Aroon, T., Wattanasirichaigoon, D., Anurathapan, U., Hongeng, S., Asavapanumas, N., Bhukhai, K., Tubsuwan, A. 2023. Establishment of MUi030-A: A human induced pluripotent stem cell line carrying homozygous L444P mutation in the GBA1 gene to study type-3 Gaucher disease. ***Stem Cell Research***. 73: 103229.
2. Sangsri, T., Saiprom, N., Tubsuwan, A., Monk, P., Partridge, L.J., Chantratita, N. 2020. Tetraspanins are involved in Burkholderia pseudomallei-induced cell-to-cell fusion of phagocytic and non-phagocytic cells. ***Scientific Reports***. 10(1): 17972.
3. Marthaler, A.G., Schmid, B., Tubsuwan, A., Poulsen, U.B., Engelbrecht, A.F., Mau-Holzmann, U.A., Hyttel, P., Nielsen, J.E., Nielsen, T.T., Holst, B. 2016. Generation of an isogenic, gene-corrected control cell line of the spinocerebellar ataxia type 2 patient-derived iPSC line H196. ***Stem Cell Research***. 16(1): 162-165.
4. Tubsuwan, A., Abed, S., Deichmann, A., Kardel, M.D., Bartholomä, C., Cheung, A., Negre, O., Kadri, Z., Fucharoen, S., von Kalle, C., Payen, E., Chrétien, S., Schmidt, M., Eaves, C.J., Leboulch, P., Maouche-Chrétien, L . 2013. Parallel assessment of globin lentiviral transfer in induced pluripotent stem cells and adult hematopoietic stem cells derived from the same transplanted β-thalassemia patient. ***Stem Cells***. 31(9): 1785-1794.