Nicolas
LEVENTOUX Ph.D.

Dr. Nicolas Leventoux is a research scientist at Dementia Pathophysiology Collaboration Unit (RIKEN Center for Brain Science). He is interested in the development and treatments for incurable neurological diseases including Amyotrophic Lateral Sclerosis (ALS) and Parkinson's disease (PD) based on iPS cell drug discovery.

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EDUCATION

Dr. Leventoux obtained B.S., M.S. and Ph.D. from the University of Montpellier (France). Then, he worked for 1 year at the Institute of Human Genetics (National Center for Scientific Research - CNRS) before joining the Department of Physiology at Keio University School of Medicine.

EXPERTISE

- Human neural and cancer stem cells; ALS, PD and ALS/PDC modelling from human iPSCs.

ACADEMIC APPOINTMENTS

- **2024 - present** : Research scientist at Dementia Pathophysiology Collaboration Unit (RIKEN Center for Brain Science)
- **2023 - 2024** : Project instructor at Department of Physiology, Keio University School of Medicine
- **2021 - 2023** : JSPS research fellow (visiting researcher) at Department of Physiology, Keio University School of Medicine
- **2020 - 2021** : Project instructor at Department of Physiology, Keio University School of Medicine
- **2019 - 2020** : JSPS research fellow (visiting researcher) at Department of Physiology, Keio University School of Medicine
- **2018 - 2019** : Postdoctoral position at the Institute of Human Genetics (CNRS)

AWARDS AND HONORS

- **2021** : Granted by the Japan Society for the Promotion of Science (JSPS)
- **2019** : Granted by the Japan Society for the Promotion of Science (JSPS)

SELECTED PUBLICATIONS

1. Leventoux, N., Morimoto, S., Ishikawa, M., Nakamura, S., Ozawa, F., Kobayashi, R., Watanabe, H., Supakul, S., Okamoto, S., Zhou, Z., Kobayashi, H., Kato, C., Hirokawa, Y., Aiba, I., Takahashi, S., Shibata, S., Takao, M., Endo, F., Yamanaka, K., Kokubo, Y., Okano, H. 2024. Aberrant CHCHD2-Associated Mitochondriopathy in Kii ALS/PDC Astrocytes. *Acta Neuropathologica*. (*In press*).
2. Supakul, S., Hatakeyama, Y., Leventoux, N., Itsuno, M., Numata, N., Hiramine, H., Morimoto, S., Iwata, A., Maeda, S., Okano, H. 2023. Urine-derived cells from the aged donor for the 2D/3D modeling of neural cells via iPSCs. *Aging Brain*. 4: 100101.
3. Kobayashi, H., Ueda, K., Morimoto, S., Ishikawa, M., Leventoux, N., Sasaki, R., Hirokawa, Y., Kokubo, Y., Okano, H. 2023. Protein profiling of extracellular vesicles from iPSC-derived astrocytes of patients with ALS/PDC in Kii peninsula. *Neurological Sciences*. 44(12): 4511-4516.
4. Leventoux, N., Morimoto, S., Imaizumi, K., Sato, Y., Takahashi, S., Mashima, K., Ishikawa, M., Sonn, I., Kondo, T., Watanabe, H., Okano, H. 2020. Human Astrocytes Model Derived from Induced Pluripotent Stem Cells. *Cells*. 9(12): 2680.