



## Elsa Pittaras

Basic Life Research Scientist  
Biology

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#### ACADEMIC APPOINTMENTS

- Basic Life Research Scientist, Biology

#### PROFESSIONAL EDUCATION

- Doctor, University Paris XI , Neuroscience (2016)

### Publications

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#### PUBLICATIONS

- **Selectively Blocking Small Conductance Ca<sup>2+</sup>-Activated K<sup>+</sup> Channels Improves Cognition in Aged Mice.** *Biology*  
Ong, J., Heller, H. C., Pittaras, E.  
2025; 14 (2)
- **Automated sleep scoring in hibernating and non-hibernating American black bears.** *bioRxiv*  
Tøien, O., Pittaras, E., Huang, Y., Brodersen, P., Allocca, G., Barnes, B., Heller, C.  
2025
- **Short term GABA antagonist treatment improves long term sleep quality, memory, and decision-making in a Down syndrome mouse model.** *Sleep*  
Pittaras, E. C., Artal, J. M., Ajibola, G., Allocca, G., Bennett, M., Camargo, A., Carpio, A., Gessner, N., Hinton, M., Pizzitola, R., Tan, N., Zhang, E., Zhong, et al  
2024
- **Automating Polysomnography in an Under-Explored Animal Model: Preliminary Results from Hibernating Bears.** *Physiology*  
Tøien, O., Pittaras, E., Brodersen, P., Allocca, G., Barnes, B., Heller, H.  
2024
- **Behavioral and Neuronal Characterizations, across Ages, of the TgSwDI Mouse Model of Alzheimer's Disease.** *Genes*  
Tan, N. A., Carpio, A. M., Heller, H. C., Pittaras, E. C.  
2023; 15 (1)
- **Enhancing sleep after training improves memory in down syndrome model mice.** *Sleep*  
Pittaras, E., Colas, D., Chuluun, B., Allocca, G., Heller, C.  
2022; 45 (4)
- **Handling, task complexity, time-of-day, and sleep deprivation as dynamic modulators of recognition memory in mice.** *Physiology & behavior*  
Gessner, N., Shinbashi, M., Chuluun, B., Heller, C., Pittaras, E.  
2022: 113803
- **Inter-Individual Differences in Cognitive Tasks: Focusing on the Shaping of Decision-Making Strategies.** *Frontiers in behavioral neuroscience*  
Pittaras, E., Hamelin, H., Granon, S.

2022; 16: 818746

- **Prolonged Consumption of Sweetened Beverages Lastingly Deteriorates Cognitive Functions and Reward Processing in Mice. . 00: 1–14. *Cerebral Cortex***  
Hamelin, H., Poizat, G., Florian, C., Bartosz Kursa, M., Pittaras, E., Callebert, J., Rampon, C., Taouis, M., Hamed, A., Granon, S.  
2021
- **Book: SOS sleep (in French)**  
Rabat, A., Chennaoui, M., Arnal, P., Bougard, C., Dispersyn, G., Dorey, R., Drogou, C., Gomez-Merino, D., Guillard, M., Lagarde, D., Pittaras, E., Sauvet, F., Van Beers, et al  
2021
- **Enhancing sleep after training improves memory in Down syndrome model mice. *Sleep***  
Pittaras, E., Colas, D., Chuluun, B., Allocca, G., Heller, C.  
2021
- **The Mouse Gambling Task: Assessing Individual Decision-making Strategies in Mice *BIO-PROTOCOL***  
Pittaras, E., Rabat, A., Granon, S.  
2020; 10 (1)
- **Suprachiasmatic lesions restore object recognition in down syndrome model mice. *Neurobiology of sleep and circadian rhythms***  
Chuluun, B. n., Pittaras, E. n., Hong, H. n., Fisher, N. n., Colas, D. n., Ruby, N. F., Heller, H. C.  
2020; 8: 100049
- **One week of chronic sleep debt does not affect decision-making processes in a mouse version of the Iowa Gambling Task. *BioRxiv***  
Pittaras, E., Granon, S., Rabat, A.  
2019
- **Mouse Gambling Task reveals differential effects of acute sleep debt on decision-making and associated neurochemical changes. *Sleep***  
Pittaras, E., Callebert, J., Dorey, R., Chennaoui, M., Granon, S., Rabat, A.  
2018
- **Dissociated features of social cognition altered in mice schizophrenia models: focus on social dominance and acoustic communication *Neuropharm***  
Faure, A., Nosjean, A., Pittaras, E., Duchene, A., Andrieux, A., Gaury-Faure, S., Charveriat, M., Granon, S.  
2018; 159 (107334)
- **War pediatrics: epidemiologic characteristics of admissions on the critical care unit of the medical and surgical French hospital in Kabul. *Anesthésie & Réanimation***  
Salvadori, A., Pittaras, E., Pasquier, P., Merrat, S.  
2017; 3(5):426-432
- **Nicotinic receptors are crucial for tuning of E/I balance in prelimbic cortex and for gambling performance in mouse. *Frontiers in Psychiatry***  
Pittaras, E., Faure, A., Leray, X., Moraitopoulou, E., Cressant, A., Rabat, A., Meunier, C., Fossier, P., Granon, S.  
2016: 7:17.
- **Book: Sleep well for dummies (in French)**  
Rabat, A., Chennaoui, M., Arnal, P., Bougard, C., Dispersyn, G., Dorey, R., Drogou, C., Gomez-Merino, D., Guillard, M., Lagarde, D., Pittaras, E., Sauvet, F., Van Beers, et al  
2016
- **Social behaviors and acoustic social communication in different strains of mice *Behavioral Brain Research***  
Faure, A., Pittaras, E., Nosjean, A., Chabout, J., Cressant, A., Granon, S.  
2016; 320:383-390
- **Individual behavioral and neurochemical markers of unadapted decision-making processes in healthy inbred mice. *Brain Struct Funct.***  
Pittaras, E., Callebert, J., Chennaoui, M., Rabat, A., Granon, S.  
2016; 221(9):4615-4629.
- **Mice gamble for food: individual differences in risky choices and prefrontal cortex serotonin . *J Addict Res Ther.***  
Pittaras, E., Cressant, A., Serreau, P., Bruijfel, J., Dellu-Hagedorn, F., Callebert, J., Rabat, A., Granon, S.

