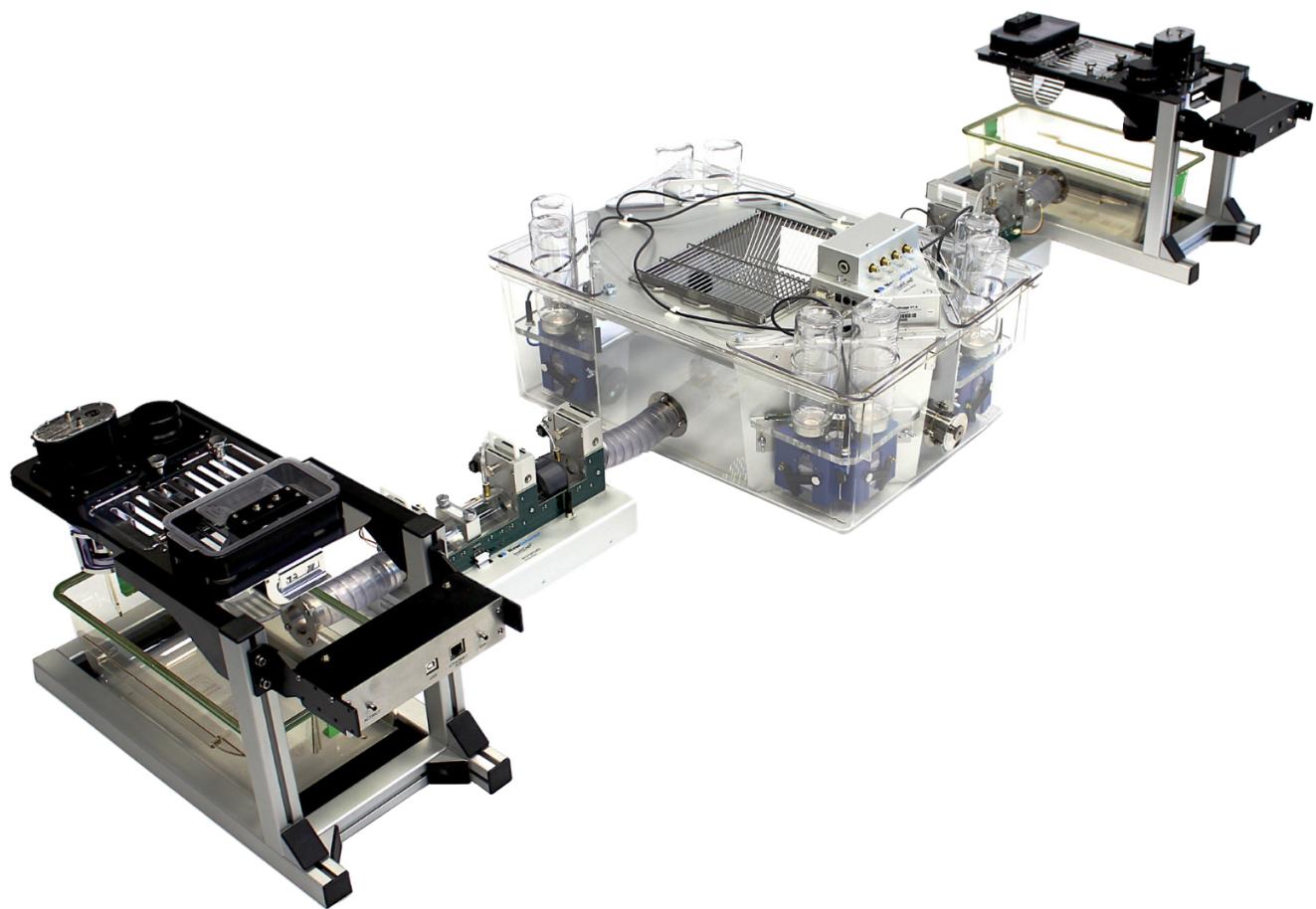




# PhenoWorld



## Scientific Publications

## 2023

**Eraslan, E., Castelhano-Carlos, M. J., Amorim, L., Soares-Cunha, C., Rodrigues, A. J., & Sousa, N.** (2023). Home-cage behavior is impacted by stress exposure in rats. *Frontiers in Behavioral Neuroscience*, 17. <https://www.frontiersin.org/articles/10.3389/fnbeh.2023.1195011>

**Fayad, S.I., Reynolds, L.M., Torquet, N., Tolu, S., Mondoloni, S., Nguyen, C., Justo, R., Didienne, S., Deb-ray, N., Viollet, C., Raynaud, L., Layadi, Y., Hannesse, B., Capaz, A.-M., Topilko, T., Renier, N., Mourot, A., Marti, F., & Ph, F.** (2023). Individual variations in reward-seeking adaptability emerge among isogenic mice living in a micro-society and predict their response to nicotine [Preprint]. *Neuroscience*. <https://doi.org/10.1101/2023.10.28.564522>

**Kahnau, P., Jaap, A., Diederich, K., Gygax, L., Rudeck, J., & Lewejohann, L.** (2023). Determining the value of preferred goods based on consumer demand in a home-cage based test for mice. *Behavior Research Methods*, 55(2), 751–766. <https://doi.org/10.3758/s13428-022-01813-8>

## 2022

**Amorim, L., Dá Mesquita, S., Jacinto, L., Castelhano-Carlos, M. J., Santos, N. C., Leite-Almeida, H., & Sousa, N.** (2022). Shaping social behavior in an enriched environment. *Frontiers in Behavioral Neuroscience*, 16. <https://www.frontiersin.org/articles/10.3389/fnbeh.2022.999325>

**Faure, P., Fayad, S. L., Solié, C., & Reynolds, L. M.** (2022). Social determinants of inter-individual variability and vulnerability: The role of dopamine. *Frontiers in Behavioral Neuroscience*, 16. <https://doi.org/10.3389/fnbeh.2022.836343>

**Leite-Almeida, H., Castelhano-Carlos, M. J., & Sousa, N.** (2022). New Horizons for Phenotyping Behavior in Rodents: The Example of Depressive-Like Behavior. *Frontiers in Behavioral Neuroscience*, 15. <https://www.frontiersin.org/articles/10.3389/fnbeh.2021.811987>

## 2021

**Castelhano-Carlos, M. J., Aslani, S., & Sousa, N.** (2021). The Impact of Physical Enrichment in the Structure of the Medial Prefrontal Cortex and Nucleus Accumbens of the Adult Male Rat Brain. *Neuroscience*, 454, 51–60. <https://doi.org/10.1016/j.neuroscience.2020.01.040>

## 2018

**Torquet, N., Marti, F., Campart, C., Tolu, S., Nguyen, C., Oberto, V., Benallaoua, M., Naudé, J., Didienne, S., Debray, N., Jezequel, S., Le Gouestre, L., Hannesse, B., Mariani, J., Mourot, A., & Faure, P.** (2018). Social interactions impact on the dopaminergic system and drive individuality. *Nature Communications*, 9(1), Article 1. <https://doi.org/10.1038/s41467-018-05526-5>

## 2017

**Castelhano-Carlos, M. J., Baumans, V., & Sousa, N.** (2017). PhenoWorld: Addressing animal welfare in a new paradigm to house and assess rat behaviour. *Laboratory Animals*, 51(1), 36–43. <https://doi.org/10.1177/0023677216638642>

## **2015**

**Hurtado, L., Díaz-Güemes Martín-Portugués, I., Cruz, J., Pérez, M. D. M., & Sánchez-Margallo, F.** (2015). Complication after laparoscopic Roux-en-Y gastric bypass in a survival obese porcine model: Clinical case. *Laboratory Animals*, 49, 76. <https://doi.org/10.1177/0023677215601809>

## **20214**

**Castelhano-Carlos, M., Costa, P. S., Russig, H., & Sousa, N.** (2014). PhenoWorld: A new paradigm to screen rodent behavior. *Translational Psychiatry*, 4(6), Article 6. <https://doi.org/10.1038/tp.2014.40>