

[Inicio](#) > A Mouse Model Suggests That Heart Failure and Its Common Comorbidity Sleep Fragmentation Have No Synergistic Impacts on the Gut Microbiome

---

## [A Mouse Model Suggests That Heart Failure and Its Common Comorbidity Sleep Fragmentation Have No Synergistic Impacts on the Gut Microbiome](#)

**URL:** <https://www.mdpi.com/2076-2607/9/3/641>

**Authors:** [Khannous-Lleiffe, Olfat](#) / [Willis, Jesse](#) / [Saus, Ester](#) / [Cabrera-Aguilera, Ignacio](#) / [Almendros, Isaac](#) / [Farré, Ramon](#) / [Gozal, David](#) / [Farré, Nuria](#) / [Gabaldón, Toni](#)

**Research Lines:** [Biological data integration and management](#)

**Publication:** Microorganisms

**Place Published:** MDPI

**Volume / Number / Pagination:** 9 / 3 / 641

**Palabras clave:** [heart failure](#), [Metagenomics](#), [microbiome](#), [sleep apnea](#), [sleep fragmentation](#)

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

---

**Source URL (retrieved on 16 Mar 2025 - 14:23):** <https://www.bsc.es/es/research-and-development/publications/mouse-model-suggests-heart-failure-and-its-common-comorbidity>