



NEMO ANR

MARINE ORGANISM NEUROPEPTIDES

Acting as a neuromodulator or neurohormone, neuropeptides play a crucial role in producing physiological or behavioural responses in animals that are appropriate to the constraints imposed by the environment. The NEMO project is aimed at studying the evolution of neuroendocrine systems and their role in regulating the plasticity of biological cycles and reproduction in unconventional marine models – coral, molluscs and eels. The NEMO project is based on developing the most advanced technologies to compare the structure and function of endocrine pathways regulating reproduction and associated processes.

In addition to fundamental knowledge relating to the regulation of physiological functions in marine species of economic significance, this research will potentially offer interesting prospects for development in the fields of aquaculture, fishing and the environment.

Partners

Research centers

Université de Caen Basse Normandie,
Biologie des Organismes et Ecosystèmes
Aquatiques, UMR - CNRS 7208, Muséum
National d'Histoire Naturelle, IRD 207,
Caen [\[Project Developer\]](#)
INSERM, Différenciation et communication
neuronale et neuroendocrine, Inserm
U982, Rouen
Muséum National d'Histoire Naturelle,
Evolution des systèmes endocriniens UMR
7221, Paris
National Kaoshiung Marine University,
NKMU, Kaoshiung, Taiwan.
National Taiwan Ocean University, NTOU,
Keelung, Taiwan
Université de Rennes 1, Institut des
sciences chimiques de Rennes, UMR 6226,
Rennes

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