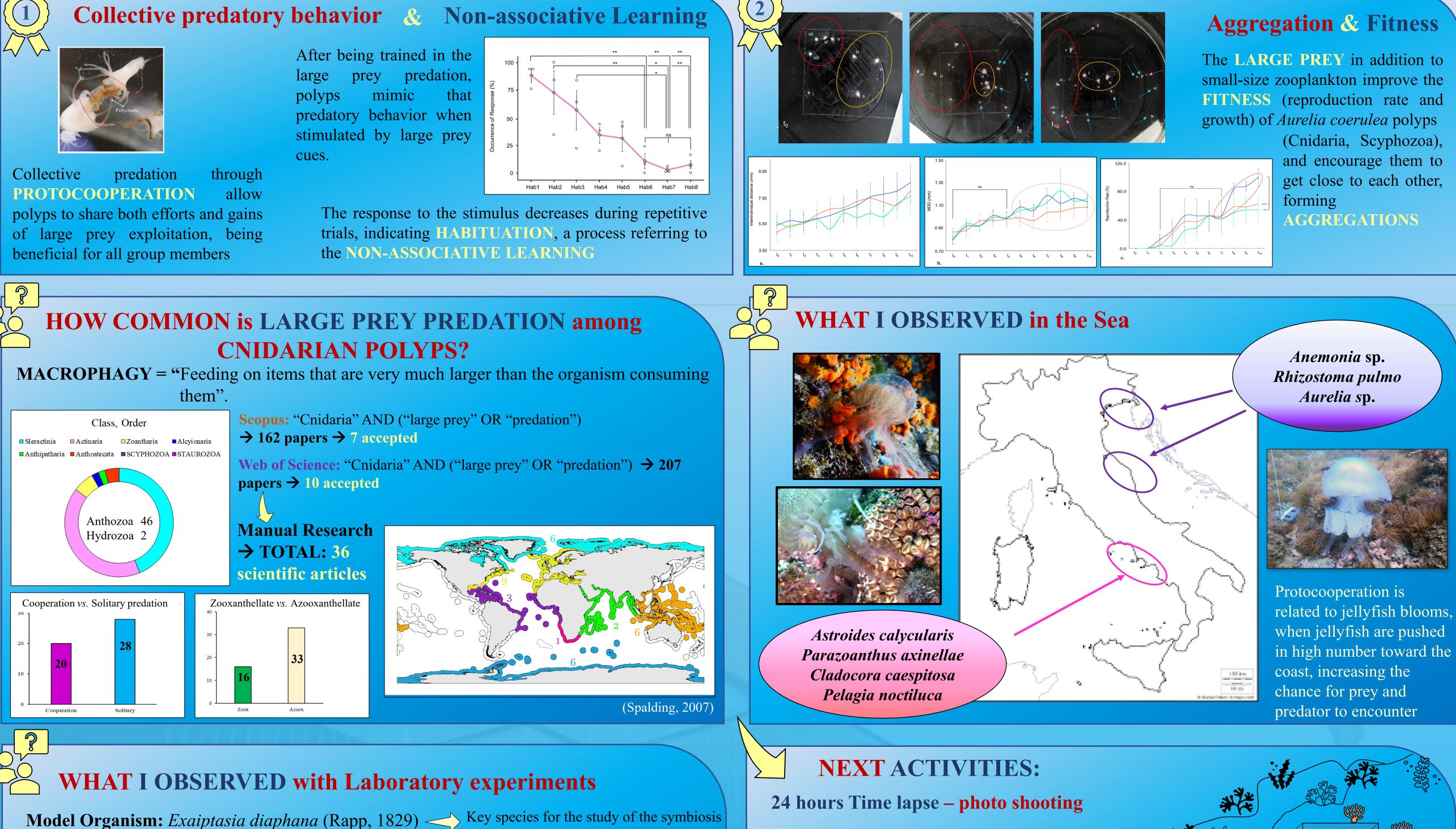


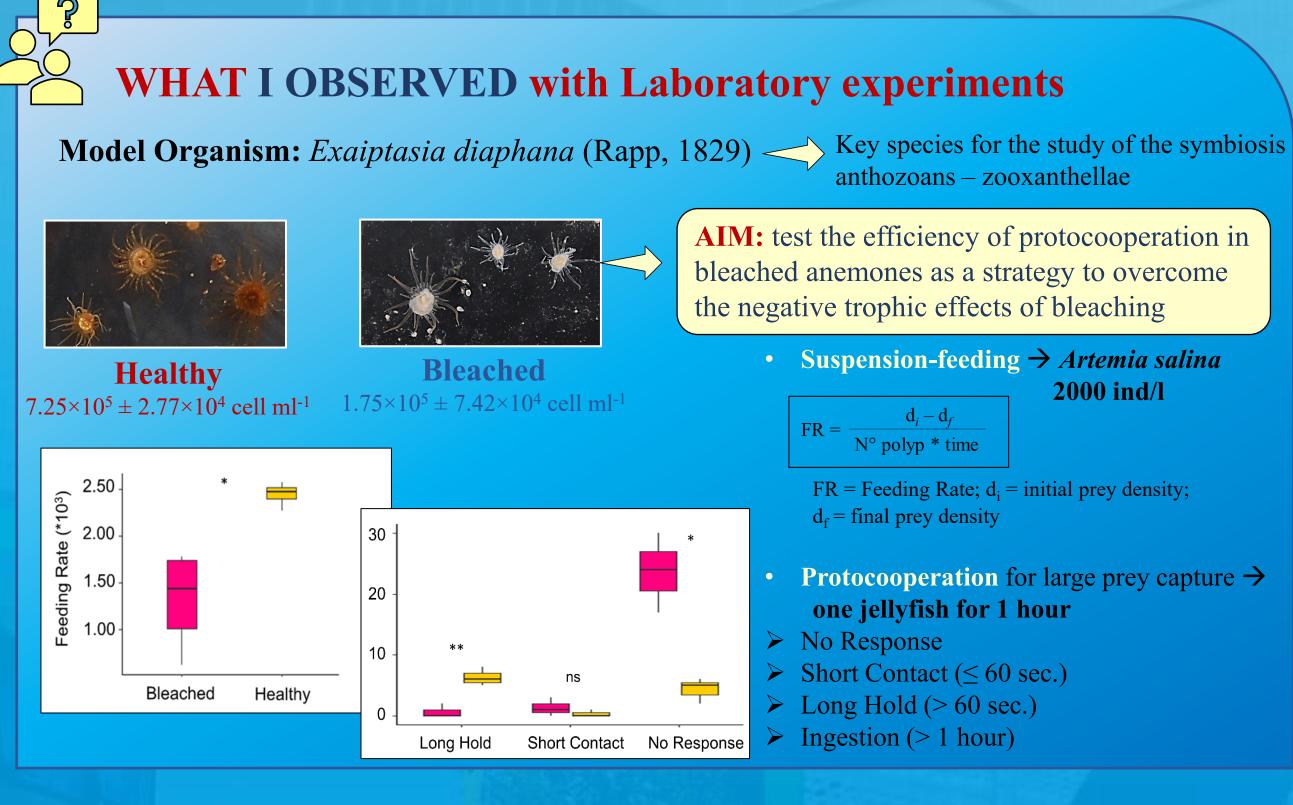
Corso di Dottorato di Ricerca in Scienze della Vita e dell'Ambiente - Ciclo XXXVI Compete or cooperate?

Protocooperation in catching large prey may be the driver of gregarism in chidarian polyps

Chiara Gregorin

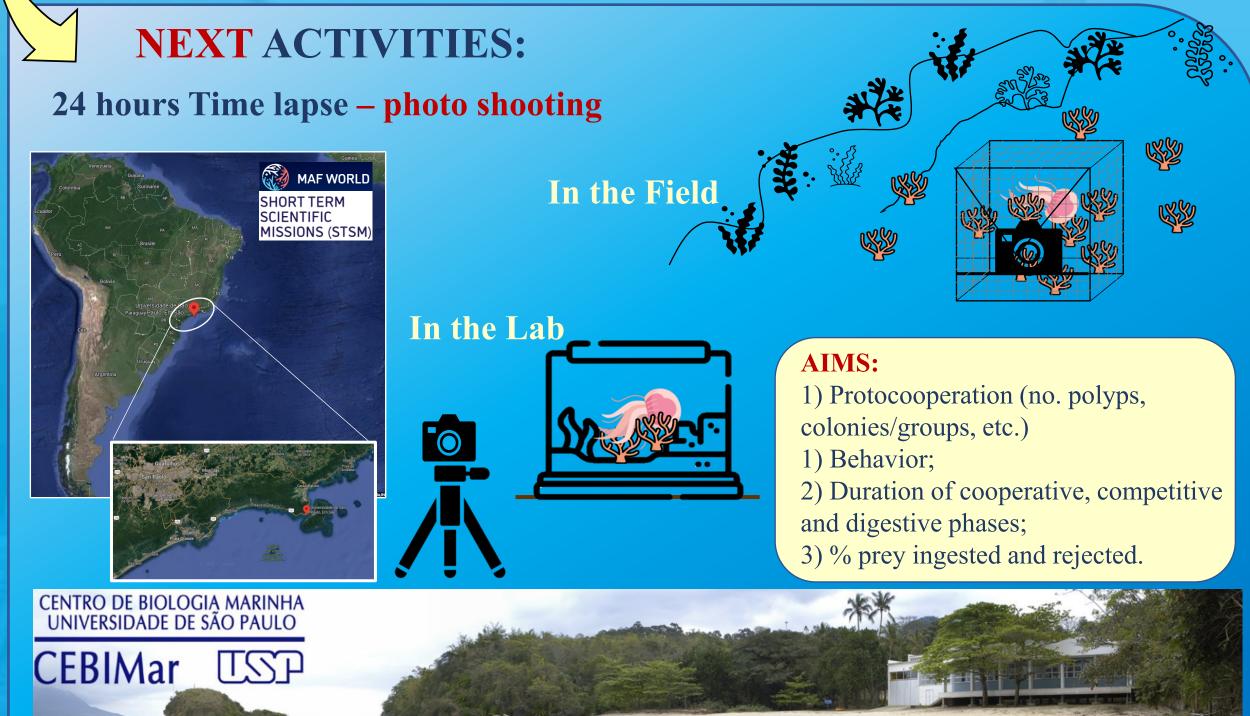
Supervisor: Prof. *Stefania Puce*, Prof. *Luigi Musco*, Dr. *Tomas Vega Fernández Laboratorio Zoologia, DiSVA*







PhD thesis DELIVERY



PhD curriculum publications:

- Gregorin C., Musco L., & Puce S. (2022). Protocooperation in *Tubastraea* cf. *micranthus* to catch large
- planktonic prey. Marine Biodiversity, 52(3), 34.
- **Review:** Macrophagy in Cnidarians *in preparation* **Original Manuscript:** Group-foraging in Cnidarians: the collective exploitation of a large prey shapes the
- aggregation and fitness of Aurelia coerulea polyps (Cnidaria, Scyphozoa) ready for submission
- Original Manuscript: First behavioral description of collective predation by cnidarian polyps and non-
- associative learning as possible explanation of their coordination in preparation
- Original Manuscript: Heterotrophy in bleached sea anemones: do they improve the predation rate to balance the loss of symbionts? *in preparation*

Extra PhD curriculum publications:

- **Gregorin** et al., 2020 https://doi.org/10.3390/jmse8121021
- Gregorin et al., 2020 https://doi.org/10.3390/jinse8121021 • Gregorin et al., 2021 https://doi.org/10.3390/w13050711
- Roveta et al., 2021 https://doi.org/10.3390/app11020580
 Roveta et al., 2022 https://doi.org/10.1007/s10452-021-09940-8
- Pulido Mantas et al., 2023 https://doi.org/10.3390/jmse11040759
 Di Camillo et al., 2023 https://doi.org/10.1111/raq.12823