## List of references about senescence in annelids

Bell (1984). The asexual annelids *Aelosoma tenebrarum* and *Pristina aequiseta*, whose results showed that survival was independent of age

(Martínez & Levinton 1992) - *P*. *litoralis* has shown senescence due to its ability to age.

(Martínez, 1996), (Martínez & Levinton, 1992) - Due to *P*. *litoralis* high regenerative abilities, this species is subject to rejuvenation through continuous trauma to the body and successive regeneration of the injured parts, which expands the life of the individual and brings a certain impression of “immortality”

## List about cellular processes in anelid regeneration

Differentiation types during regeneration: (Boilly, 1968a, 1968b, 1969)

## List of references about aging and germline sequester

(Weismann et al., 1891)

Evolution of aging – separation between soma and germline

Individuals strictly sexual age

Evolution of aging – alternative hypothesis (Medawar1952; Edneyand Gill 1968): virtual absence of selection for degenerative changes of aging, or because of positive selection for mutations that enhance reproductive success – selection of a character that promotes molecular damage at the cost of reproductive success!

(Kirkwood, 1977) Origin of aging – metabolic damage trade-off between growth and reproduction (disposable soma theory)

(Cichoń & Kozłowski, 2000) the authors propose a mathematical model to explain disposable soma theory based on the intake and the costs to repair versus reproduction. It was very explanatory. It is worth to have a look.

## List of references about cellular senescence

(Gorgoulis et al., 2019)

(Collado et al., 2005, 2007)

(Demaria et al., 2014; He & Sharpless, 2017).

(Yun et al., 2015) – senescence and regeneration in salamanders

(Silva-Álvarez et al., 2020) – senescence and regeneration in zebrafish

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