

## Short CV – Jon C. Svendsen

### Degrees

- PhD (Biology) Department of Biology, University of Copenhagen, Denmark (2008).
- MSc (Biology) Department of Biology, University of Copenhagen, Denmark (2003).

### Positions

- Researcher, DTU Aqua, Technical University of Denmark (2015-present).
- Post-doctoral Researcher, CIIMAR, University of Porto, Portugal (2013-2015).
- Post-doctoral Researcher, Fisheries and Oceans, Canada (2011-2013).
- Post-doctoral Researcher, University of Minnesota, USA (2010).
- Post-doctoral Researcher, University of Copenhagen, Denmark (2009).
- Post-doctoral Researcher, DTU Aqua (2008).

### Research area

Fisheries management based on ecological research that integrates fish behaviour and physiology.

### Distinctions and awards

FCT Postdoctoral Stipendium (2013-2015; Portugal); NSERC Visiting Fellowship (2011-2013; Canada); Idella Travel Award (2005; Denmark).

### Memberships of scientific committees, 2011-present

- Cost Action FA1304: Swimming of fish and implications for migration and aquaculture (FITFISH) (2014-2016).
- Cost Action FA1004: Conservation Physiology of Marine Fishes (2013-2015).

### Review, 2011-present

Referee for 11 journals and review organizations, including Animal Behaviour, Journal of Experimental Biology, Methods in Ecology and Evolution, and Science of the Total Environment.

**Peer reviewed publications: 44. Books and book chapters: 2. Reports: 1. International conferences: 15.**

### Supervision, 2011-present

**PhD students:** 4 (Co-supervisor). **Master students:** 2 (Main Supervisor).

### Grants, 2011-present:

- Velux, Denmark (2016, PI).
- Minister of Culture's Science Foundation, Denmark (2015, PI).
- Augustinus Foundation, Denmark (2015).
- The Wadden Sea National Park, Denmark (2014, PI).
- Elisabeth and Knud Petersen's Foundation, Denmark (2014, PI).
- Fisheries and Maritime Museum, Denmark (2014, PI).
- COST Action FA1004, European Union (2014, PI).
- 15th June Foundation, Denmark (2014, PI).

### Research collaboration with stakeholders, 2011-present

- Als Boulder Reef in Denmark (2016-present).
- North Sea Houting Project in Denmark (2014-2016)
- Carmine Shiner Project in Canada (2011-2013).

## Five selected publications

Baktoft H, Jacobsen L, Skov C, Koed A, Jepsen N, Berg S, Boel M, Aarestrup K, Svendsen JC. (2016). Phenotypic variation in metabolism and morphology correlating with animal swimming activity in the wild: relevance for the OCLTT (oxygen-and capacity-limitation of thermal tolerance), allocation and performance models. *Conservation Physiology*, 4(1), 1-14. 10.1093/conphys/cov055.

Jensen LF, Thomsen DS, Madsen SS, Ejbye-Ernst M, Poulsen SB, Svendsen JC. (2015). Development of salinity tolerance in the endangered anadromous North Sea houting *Coregonus oxyrinchus*: implications for conservation measures. *Endangered Species Research*, 28(2), 175-186. 10.3354/esr00692.

Svendsen JC, Genz J, Anderson WG, Stol JA, Enders EC. (2014). Evidence of circadian rhythm, oxygen regulation capacity, metabolic repeatability and positive correlations between forced and spontaneous maximal metabolic rates in lake sturgeon *Acipenser fulvescens*. *PLoS One* 9, e94693. 10.1371/journal.pone.0094693.

Svendsen JC, Banet AI, Christensen RH, Steffensen JF, Aarestrup K. (2013). Effects of intraspecific variation in reproductive traits, pectoral fin use and burst swimming on metabolic rates and swimming performance in the Trinidadian guppy (*Poecilia reticulata*). *Journal of Experimental Biology*, 216(18), 3564-3574. 10.1242/jeb.083089.

Svendsen JC, Steffensen JF, Aarestrup K, Frisk M, Etzerodt A, Jyde M. (2011). Excess posthypoxic oxygen consumption in rainbow trout (*Oncorhynchus mykiss*): recovery in normoxia and hypoxia. *Canadian Journal of Zoology*, 90(1), 1-11. 10.1139/z11-095.