TOC- developmental physiology of environmental toxicity

Chapters

Cardiac function – the effects of sublethal exposure on cardiac physiology

Immunity – ontogeny of the immunotoxicity of environmental contaminants.

Co-occurring stressors

Osmoregulation – the osmoregulatory effects of exposure

Resistance – the acquisition and mechanisms of resistance to environmental toxicants.

Musculoskeletal development – the nature of musculoskeletal abnormalities – *body plan*

Neural crest cell migration and *body plans*

The metabolic cost of toxicity (what is) *underestimation of effects*

Genomic underpinings of acute toxicity

Populaion-level impacts. Fisheries biology

Windows - Experimental regime - *underestimation of effects*

Adverse effects in the context of the resiliency of physiological compensatory response

 Bc animals are resilient, this should not gnegate the fact that animals were/are impacted (metabolic costs, etc.)

Predictive power of laboratory vs. field-based experiments (combination of the two techniques)

Cause and effect relationship chain. From molecular to population