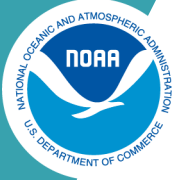




Join by computer at: <https://noaanmfs-meets.webex.com/noaanmfs-meets/j.php?MTID=m161d8630abba4e363a98635052f62a1f>

Webex meeting #: 2762 418 8254 Meeting Password: groundfish

Or by phone: 1 (415) 527-5035 Access code: 2762 418 8254



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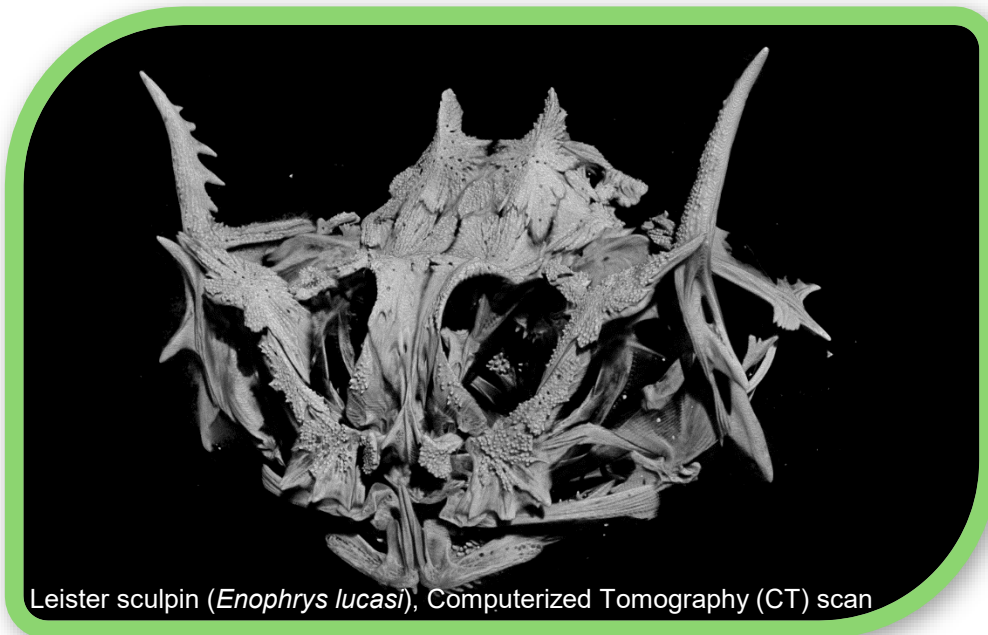
National Marine Fisheries Service
Alaska Fisheries Science Center

2022 Groundfish
Seminar Series

Thaddaeus Buser, GAP, AFSC

Tuesday, October 18th @ 10 am Pacific

Stags of the sea? On the evolution and function of cranial weapons in sculpins



Leister sculpin (*Enophrys lucasi*), Computerized Tomography (CT) scan

Many North Pacific fishes are armed with scutes, spines, and barbs. Presumably they defend against predation, but for most species this defensive function is entirely speculative. I used a variety of techniques, including CT scans and 3D motion capture to describe the morphology and use of preopercular spines in sculpins and compared the evolutionary drivers of the weaponization of sculpin skulls with better-understood terrestrial models, such as the evolution of antlers in stag deer.

*For more
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