

Syngbio 2017 Technical Workshop

Captive Husbandry and Aquaculture Techniques

This technical session will focus on the unique husbandry challenges of breeding, rearing and maintaining Syngnathids in human care and will include speakers from public aquaria, research and aquaculture facilities. This session is intended to be very interactive with “hands- on” demonstrations and group discussions. Information exchange will be encouraged for each of the topics listed below.

Topics to be covered by speaker presentations/demonstrations and group discussions will include:

Syngnathid Aquarium and/or Exhibit Design and Maintenance – topics will include rearing, holding tank and exhibit/life support system design. Examples from public aquaria, research facilities and commercial aquaculture facilities will be included. Participants not submitting abstracts for formal presentations are encouraged to email or bring digital images on a flash drive of their tanks or exhibits to share during the group discussion.

Feeding and Nutrition - topics will include live food culture techniques such as those used in the culture of brine shrimp, mysid shrimp, and copepods. Other related topics will include food transitions for fry and nutritional supplementation.

Animal Behavior, Handling and Veterinary Care – topics will include identifying normal vs. stress behaviors, environmental enrichment, assisted feeding techniques, pouch flushing, and fin clipping. Common health issues and treatments as well as tank sterilization techniques will also be discussed.

Additional Discussion - topics to be suggested by participants as time allows.

This session will be hosted by Paula Carlson (The Dallas World Aquarium), Nancy Pham Ho (The Seas at Epcot), Amy Slagoski and Shawn Garner (Florida Aquarium), Steven Yong (California Academy of Sciences), and Laurel Johnson (Newport Aquarium).

For more information or to suggest additional discussion topics, please email Paula Carlson at paula@dwazoo.com