

## E-lasmo Conference 2021 Agenda

### Day One - Elasmobranch Conservation and Research

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|------|---|--|
| 0.00 | Welcome and Introduction  | Dr Rob Jones                                   |
| 0.10 | Future thermal regimes for Epaulette sharks ( <i>Hemiscyllium ocellatum</i> ): growth and metabolic performance cease to be optimal   | Carolyn Wheeler                                |
| 0.40 | Threats to Whale Sharks and a Roadmap to their Conservation   | Alistair D.M. Dove                             |
| 1.10 | Sand tiger sharks ( <i>Carcharias taurus</i> ) of 'The Graveyard of the Atlantic': an integrative approach to understand habitat use and the role of NC shipwrecks for reproductive ecology | Ara McClanahan, Madeline Marens                |
| 1.40 | Sawfish Conservation - a Toothy Topic   | Paula Carlson                                  |
| 2.10 | <b>BREAK</b>  |  |
| 2.40 | Behavioural and Physiological Response of Bonnethead Sharks ( <i>Sphyrna tiburo</i> ) to Prolonged Hyposalinity   | Lindsay Phenix, Michael O'Neill, Kerry McNally |
| 3.10 | Keeping up with The Honda's Hammers: Collaborative conservation research for great hammerhead sharks ( <i>Sphyrna mokarran</i> ) in the Florida Keys  | Grace Casselberry                              |
| 3.40 | AZA SAFE Shark and Ray Program Update   | Hap Fatzinger                                  |
| 3.50 | Closing Remarks   | Dr Rob Jones                                   |

### Day Two - Elasmobranch Reproduction and Medicine

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|------|---|--|
| 0.00 | Welcome and Introduction  | Dr Rob Jones                               |
| 0.10 | Reproductive surgical procedures; ray ovariectomy, ray c-section  | Dr Bob George                              |
| 0.40 | Semen collection and AI in sand tiger (grey nurse, ragged tooth) sharks                                   | Dr Bob George                              |
| 1.00 | Artificial insemination in whitespotted bamboo sharks   | Dr Jen Wyffels                             |
| 1.30 | The Little Pups that Could: Raising Cownose Ray Pups  | Ashley Neumeier; Abby Perque; Jamie Torres |
| 2.00 | <b>BREAK</b>  |  |
| 2.30 | Overview of Common Monogenean Parasites (Platyhelminthes: Monogenea) of Elasmobranchs in Aquaria and Zoos | Barrett L. Christie                        |
| 3.00 | Monogenean Q&A and Strategies   | Barrett L. Christie, Dr Rob Jones          |
| 3.10 | Design and Construction of Exhibits for Sharks  | Mark Smith                                 |
| 3.50 | Closing Remarks   | Dr Rob Jones                               |

### Day Three - Elasmobranch Training and Conditioning

|      |  |   |
|------|--|---|
| 0.00 | Welcome and Introduction   | Dr Rob Jones                                    |
| 0.10 | Welfare and the Five Domains. Do Elasmobranchs feel Pain ?   | Dr Rob Jones                                    |
| 0.30 | Adapting Enrichment for the Welfare of Sharks and Rays   | Siobhan Houlihan, Sarah Carnell, Kiana Fielding |
| 1.00 | What motivates benthic elasmobranchs? Navigating challenges when communicating with animals that live on the ocean floor         | Christina Minniti and Jason Langshaw            |
| 1.30 | Target and auditory response training of the nurse shark <i>Ginglymostoma cirratum</i> in the aquarium field                     | Carol "Kee" Bligh                               |
| 2.00 | <b>BREAK</b>   |   |
| 2.30 | Development and Implementation of a Training and Enrichment Program to Manage Aggressive Behaviour in Potamotrygonidae stingrays | MacKenzie Ford                                  |
| 3.00 | Sharks! Predators of the Deep. The Newest Exhibit at Georgia Aquarium  | Ramon Barbosa, Kelly Link                       |
| 3.30 | Use of Operant Conditioning in the Husbandry and Transport of Great Hammerhead Sharks, <i>Sphyrna mokarran</i>                   | Melissa Paynter, Sarah Crum, Ramon Barbosa      |
| 4.00 | Closing Remarks  | Dr Rob Jones                                    |

### Day Four - Elasmobranch Husbandry

|      |  |   |
|------|--|---|
| 0.00 | Welcome and Introduction   | Dr Rob Jones  |
| 0.10 | Use of Laser Therapy in Wound Management in a Black Tip Reef Shark                 | Dr Brett De Poister   |
| 0.30 | The Difficulties of Body Condition Scoring Elasmobranchs in Aquariums              | Dr Luke Ross  |
| 0.50 | Recent Advances in Elasmobranch Transport Techniques                               | João Correia*, Rui Guedes, David Silva, Pedro Marques, Luís Silva |
| 1.30 | Elasmobranch Nutrition: Diet, Feeding and Supplementation                          | Dr Lisa Hoopes  |
| 2.10 | <b>BREAK</b>   |   |
| 2.40 | Elasmobranch Handling  | Dr Rob Jones and Clem Kouijzer                                    |
| 3.10 | Growth Rates, Morphometric Analyses, and Ageing Techniques for Elasmobranch Fishes | Barrett L. Christie   |
| 3.25 | Elasmobranch Anaesthetics and Phenoxyethanol (an oldie but a goodie)               | Dr Rob Jones  |
| 3.55 | Closing Remarks  | Dr Rob Jones  |