

# 44th Annual Meeting of the Atlantic International Chapter

September 23-25, 2018

Vergennes, Vermont – Lake Champlain Region

## Preliminary Program

### Sunday September 23rd

16:00 Check-In Basin Harbor

17:00 – 19:00 AIC Registration

### Session 1 - Informal Session (Snacks and Beverages Provided)

19:00 – 19:20 **Christine Lipsky** - The International Sampling Program for Atlantic salmon in West Greenland

19:20 – 19:40 **Heather Stewart** – Tentative title: Introducing the new Quebec sub-unit of the AIC, sub-unit activities and regional research projects.

19:40 – 20:00 **TBD** - Title

Open Mic – (5 min each)

### Monday September 24th

07:30 – 08:30 Breakfast LOCATION

08:30 Registration continues

08:50 Welcome (AIC President and Local Arrangements)

09:00 – 09:40 **Keynote Presenter – Chris Sabick** - Lake Champlain Water Highway to History

09:40 – 10:00 **Kevin Kelsey** – Advances in applied intensive culture techniques of walleye (*Sander vitreus*) used in fisheries restoration efforts for Lake Champlain

10:00 – 10:20 **Mark W Swinton** and Sandra A Nierzwicki-Bauer - Increase in Lake Champlain fish mercury linked to elevated sediment loading from Hurricane Irene

10:20 – 10:40 **Chet Mackenzie** - Lake Champlain Lake Sturgeon Movements

10:40 – 11:00 Break

11:00 – 11:20 **Anna E. Murphy**, Russell H. Easy, Michael J. W. Stokesbury - Identification and characterization of protease activity and protein biomarkers of stress in the epidermal mucus of the Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*)

11:20 – 11:40 Emily E. Chase, Danielle Quinn, and **Trevor Avery** - Population characteristics and genetics of *Leucoraja erinacea* and *L. ocellata*, two sympatric skate species of the western Atlantic Ocean

11:40 – 12:00 **Lisa K. Izzo**, Donna L. Parrish, Gayle B. Zydlewski and Chet MacKenzie - Combining Dual-Frequency Identification Sonar (DIDSON) and acoustic telemetry to estimate abundance of spawning lake sturgeon

12:00 – 13:00 Lunch LOCATION

13:10 – 13:30 **Daniel J. Hasselman**, M.E. Oldreive, L.J. Bennett, T. Boucher, R. Pieroway, A.J. Lowery, J. Culina, and J.A. Wright - The Fundy Ocean Research Center for Energy

13:30 – 13:50 **Jessie Lilly** and M.J.W. Stokesbury - Use of new High Residency (HR) acoustic tagging technology to predict if Atlantic sturgeon will spatially and temporally overlap with tidal turbines in Minas Passage

13:50 – 14:10 **Douglas A. Smithwood** - Improving near field passage efficiency for upstream migrating American eels at hydroelectric facilities

14:10 – 14:30 Coffee Break

14:30 – 14:50 Hillary Dort, Trevor Avery and **Russell Easy** - Changes in the mucus proteome of striped bass (*Morone saxatilis*) as a measure of stress during angling.

14:50 – 15:10 **Zhe Jackson Yang**, Glenys Gibson, Nelson O'Driscoll, and Trevor Avery - Striped bass gonad development and tissue mercury levels

15:10 – 15:30 **Nathalie M. LeBlanc**, Trevor S. Avery, Sam N. Andrews, Gregory N. Puncher, Ben I. Gahagan, Andrew R. Whiteley, R. Allen Curry and Scott A. Pavey - Genomic population structure of striped bass (*Morone saxatilis*) from the Gulf of St. Lawrence to Gulf of Mexico

15:30 – 18:30 ANNUAL SWIM AND OTHER PRE- DINNER ACTIVITIES

18:30 – 19:30 Dinner LOCATION Dining Room

20:00 EVENING ACTIVITIES

### **Tuesday September 25th**

08:00 – 08:45 Breakfast LOCATION

08:45 – 10:30 Business Meeting LOCATION

10:30 – 10:50 Coffee Break

10:50 – 11:10 **Faith M. Penny** and Dr. Scott A. Pavey - Physiology and evolution of genes facilitating thermal tolerance in three anadromous fishes

11:10 – 11:30 **Ben Matthews** and Erik Martin - Methods for aquatic connectivity barrier prioritization: A decision support tool for the Penobscot watershed in Maine

11:30 – 12:30 Awards (Lunker, Soggy Boot)

12:30 – 13:30 Lunch and Raffle LOCATION

Departure