

The ICEFISH Symposium Program

Sunday, August 21

Conference participants will register and check into their rooms upon arrival at the Darling Marine Center, 193 Clark's Cove Road, Walpole, ME 04573.

8:00 pm

Icebreaker Reception, Brooke Hall

Monday, August 22

7:30 – 8:30 am

Breakfast, Brooke Hall

9:00 am

Opening Address

- *Overview of the ICEFISH 2004 Cruise: The relevance of genome biology to understanding notothenioid evolution*

H. William Detrich, Northeastern University

9:30 am

Keynote Address

- *Aspects of the morphology of phyletically basal notothenioid fishes: where do “Antarctic” features begin to appear?*

Joseph Eastman, Ohio University

10:30 – 10:45 am

Coffee Break, Brooke Hall

10:45 am – 12:15 pm

Session 1: Systematics and Life History Strategies of sub-Antarctic Notothenioids and Abyssal Fishes

- *Observations of demersal fish, benthic composition, and seafloor habitats within the Antarctic Convergence during the ICEFISH 2004 cruise*

Daniel Doolittle, University of Miami

- *Mental barbel variability and structure in the plunderfish *Artedidraaco mirus* (Perciformes: Notothenioidei: Artedidraconidae) from South Georgia, Antarctica*

Rich Eakin, University of New England

- *New and rare species of snailfishes (Scorpaeniformes: Liparidae) collected during the ICEFISH cruise of 2004*

David Stein, Smithsonian Institution

12:30 – 1:30 pm

Lunch, Brooke Hall

2:00 – 3:30 pm

Session 2: Biochemistry, Molecular and Cell Biology of sub-Antarctic Notothenioids

- *The adaptive evolution of hemoglobins in the fish family Bovichtidae*

Cinzia Verde, Consiglio Nazionale delle Ricerche, Italy

- *Heterotrimeric G protein subunits of notothenioid fishes: Analysis of the gamma 3 subunit*

Carl Hansen, Bloomsburg University

- *The Intron Structure of ldh-a Genes from Notothenioid Fish*

Craig Marshall, University of Otago, New Zealand

- *Characterization of leukocytes from some Antarctic and sub-Antarctic teleost species*

Giuseppe Scapigliati, Università della Tuscia, Italy

6:00 pm

Dinner, Brooke Hall

Tuesday, August 23

7:30 – 8:30 am

Breakfast, Brooke Hall

9:00 – 10:30 am

Session 3: Invertebrate Biology

- *Comparison of seastar (Asteroidea) fauna across island groups of the Scotia Arc*

Stacy Kim, Moss Landing Marine Laboratories

- *Infauna of isolated islands: A study of the macrofauna from the ICEFISH 2004 cruise*

Andrew Thurber, Moss Landing Marine Laboratories

- *Relationships between liparids and Paralomis crabs off South Georgia*

Christoph Held, Alfred Wegener Institut, Germany

- *Inferring the population history of Antarctic serolid isopods using molecular markers*

Florian Leese

10:30 – 10:45 am

Coffee Break, Brooke Hall

10:45 am – 12:15 pm

Session 4: Cytogenetics, Phylogeny, and Population Biology of sub-Antarctic Notothenioids

- *Karyotypes of basal lineages in notothenioid fishes: the genus *Bovichtus**

Eva Pisano, Università degli Studi di Genova

- *Molecular evolution in nototheniid fishes*

Guillaume Lecointre, Muséum National d'Histoire Naturelle

- *Population genetics of the mackerel icefish (*Champscephalus gunnari*)*

Kristen Kuhn, University of Delaware

12:30 – 1:30 pm

Lunch, Brooke Hall

2:00 – 3:30 pm

Session 5: Physiology and Ecology of sub-Antarctic Notothenioids

- *Evolution of a stress response: Lessons from a cold adapted fish*

Brad Buckley, Stanford University

- *Age and growth in a sub-Antarctic fish *Patagonotothen ramsayi* (Regan, 1913) (Nototheniidae)*

Paul Brickle, Falkland Islands Government Fisheries Dept.

- *Do neuromuscular currents of sub-Antarctic fish show temperature adaptation?*

Shane Windsor, University of Auckland

5:00 pm

Depart for Dinner at Shaw's Wharf

7:30 pm

Light House Cruise, Hardy Boat

Wednesday, August 24

7:30 – 8:30 am

Breakfast, Brooke Hall

9:00 – 11:00 am

Session 6: Other Topics

- *Aspects of gonadal morphology in the South Georgian plunderfish *Artedidraco mirus* (Perciformes: Artedidraconidae)*

Marino Vacchi, Università degli Studi di Genova

- *Swimming kinematics of notothenioid fishes of the sub-Antarctic region*

Shane Windsor, University of Auckland

- *Wintertime occurrence of picophytoplankton in the Southern Ocean*

Daniel Doolittle, University of Miami

11:00 am

Coffee Break, Brooke Hall

12:30 – 1:30 pm

Lunch, Brooke Hall

2:00 pm

IPY and ICEFISH

- *IPY: ICEFISH 2007 and beyond*

Cinzia Verde, Guido di Prisco and H. William Detrich

5:00 pm

Lobster Bake, Brooke Hall

Thursday, August 25

Departure