

# EIGHTEENTH ANNUAL MARFIN CONFERENCE

April 6-7, 2010

Hilton St. Petersburg Bayfront  
333 First Street South  
St. Petersburg, Florida  
(727) 894-5000

## Tuesday, April 6, 2010

8:00 am Registration

8:30 am Welcome & Conference Objectives

*Mr. Buck Sutter*  
Deputy Regional Administrator  
NOAA Fisheries, Southeast Region

*Ms. Ellie F. Roche*  
Chief, State/Federal Liaison Branch  
NOAA Fisheries, Southeast Region

### **SESSION I - Red Snapper:** Session Chair - *Mr. Mark Robson*

8:45-9:05 am Grant# NA05NMF4331070  
*PI: Dr. Glenn Parsons*  
Recipient: University of Mississippi

Title: The effect of light and hydraulic regime on the behavior and swimming ability of dark adapted red snapper, *Lutjanus campechanus*: Its application to bycatch reduction

9:10-9:30 am Grant# NA05NMF4331082  
*PI: Dr. Donald Johnson*  
Recipient: University of Southern Mississippi

Title: Determination of the limiting effect of currents on distribution of red snapper populations in the Gulf of Mexico

9:35-9:55 am Grant# NA06NMF4330054  
*PI: Dr. Steve Szedlmayer*  
Recipient: Auburn University

Title: The use of ultrasonic telemetry to estimate natural and fishing mortality of red snapper, *Lutjanus campechanus*

**9:55-10:25 am Break**

**SESSION II - Reef Fish:** Session Chair - *Mr. Larry Simpson*

- 10:25-10:45 am      Grant# NA06NMF4330052  
*PI: Dr. David Olsen*  
Recipient: St. Thomas Fishermen's Association  
  
Title: Bycatch studies of reef fish in support of Caribbean Fishery Management Council preferred options for fishery management in St. Thomas, U.S. Virgin Islands
- 10:50-11:10 am      Grant# NA04NMF4330071  
*PI: Ms. Noemí Peña*  
Recipient: Puerto Rico Department of Natural and Environmental Resources  
  
Title: Bycatch study of the Puerto Rico's marine commercial fisheries
- 11:15-11:35 am      Grant# NA05NMF4331073  
*PI: Mr. Jeffrey Rester*  
Recipient: Gulf States Marine Fisheries Commission  
  
Title: Distribution of bottom habitat information in the Gulf of Mexico
- 11:40-12:00 pm      Grant# NA05NMF4331076  
*PI: Dr. Mike Tringali*  
Recipient: Florida Fish and Wildlife Conservation Commission  
  
Title: Using microsatellite DNA analysis to identify sources of recruitment for Florida's spiny lobster (*Panulirus argus*) stock
- 12:00 pm-1:30 pm      Lunch Break**
- 1:30-1:50 pm      Grant# NA04NMF4330075  
*PI: Dr. Bill Lindberg*  
Recipient: University of Florida  
  
Title: Habitat selection and the performance of gag grouper across a range of hard bottom habitat in the northeastern Gulf of Mexico
- 1:55-2:15 pm      Grant# NA05NMF4331071  
*PI: Dr. Debra Murie*  
Recipient: University of Florida  
  
Title: Age, growth, and sexual maturity of greater amberjack in the Gulf of Mexico

- 2:20-2:40 pm Grant# 07MFIH007  
 PI: Ms. Linda Lombardi-Carlson  
 Recipient: NOAA Fisheries Panama City Laboratory  
 Title: Validation of longevity, growth and production in reef fish and deep-water tilefish
- 2:45- 3:05 pm Grant# 08MFIH007  
 PI: Ms. Loraine Hale  
 Recipient: NOAA Fisheries Panama City Laboratory  
 Title: Essential data collection of tilefish and deepwater grouper using on-board observers for age-based estimates of mortality and reproductive potential
- 3:05 pm-3:20 pm Break**
- 3:20-3:40 pm Grant# 08MFIH002  
 PI: Ms. Jennifer Potts  
 Recipient: NOAA Fisheries Panama City Laboratory  
 Title: Age and growth of SEDAR priority species of the snapper-grouper complex of the U.S. South Atlantic
- 3:40 pm Wrap-up for Day 1 Presentations**

**Wednesday, April 7, 2010 - Continuation of the Reef Fish Session**

- 8:00 am Registration
- 8:30-8:50 am Grant# NA06NMF4330050  
 PI: Dr. Sean Powers  
 Recipient: Dauphin Island Sea Lab  
 Title: Evaluating species interactions in reef fish communities: The potential impact of red snapper (*Lutjanus campechanus*) on recruitment of vermilion snapper (*Rhomboplites aurorubens*)
- 8:55-9:15 am Grant# NA06NMF4330056

*PI: Dr. Michelle Davis*

Recipient: Virginia Polytechnic Institute and State University

Title: Incorporating protogyny into stock assessment models

9:20-9:55 am

Grant# NA05NMF4331075

*PI: Dr. John Gold*

Recipient: Texas A & M Research Foundation

Title: Development of DNA microsatellites for genetic applications in greater amberjack (*Seriola dumerili*) and other amberjacks of genus *Seriola*

Grant# NA04NMF4330074

*PI: Dr. John Gold*

Recipient: Texas A & M Research Foundation

Title: Population structure and genetic demography of red snapper in the Gulf of Mexico and development of genetic tools for population-genetic studies of lane, grey, mutton, and vermillion snappers

10:00-10:20 am

Grant# NA04NMF4330078

*PI: Dr. Stephen Geiger*

Recipient: Florida Fish and Wildlife Conservation Commission

Title: Is habitat availability limiting recruitment of calico scallops (*Argopecten gibbus*)?

**SESSION III - Essential Fish Habitat:** Session Chair - *Mr. James Franks*

10:25-10:45 am

Grant# NA05NMF4331078

*PI: Dr. Ted Switzer*

Recipient: Florida Fish and Wildlife Conservation Commission

Title: Size and age structure and catch and release mortality estimates of sub-adult and adult red drum in the Tampa Bay estuary and nearshore Gulf of Mexico waters

**10:45 – 11:05 am**

**Break**

11:05-11:25 am

Grant# NA05NMF4331080

*PI: Dr. Bruce Comyns*

Recipient: University of Southern Mississippi

Title: Studies on dolphin (*Coryphaena hippurus*) and greater amberjack (*Seriola dumerili*) in the northcentral Gulf of Mexico: early life history and recruitment of larvae and young juveniles to pelagic sargassum habitat

11:30-11:50 am

Grant# 08MFIH004

PI: *Dr. Doug Devries*

Recipient: NOAA Fisheries Panama City Laboratory

Title: A trap and stationary video survey of inner shelf hard bottom habitat in the NE Gulf of Mexico

**SESSION IV – Other:** Session Chair - *Mr. James Franks*

11:55 am -12:15 pm

Grant# NA07NMF4330125

PI: *Ms. Judy Jamison*

*Dr. Benny Galloway will be presenting*

Recipient: Gulf and South Atlantic Fisheries Foundation, Inc.

Title: Reduction rates, species composition, and effort: assessing bycatch within the Gulf of Mexico shrimp trawl fishery

**12:15 pm-1:45 pm Lunch Break**

1:45-2:05 pm

Grant# 07MFIH011

PI: *Mr. Dominy Hataway*

Recipient: NOAA Fisheries Pascagoula Laboratory

Title: Investigating the potential for modified circle hooks with wire appendages to reduce hook ingestion rates in incidentally captured sea turtles

2:10-2:30 pm

Grant# NA05NMF4331079

PI: *Dr. Manoj Shivlani*

Recipient: University of Miami

Title: Examination of non-fishery factors on the welfare of fishing communities in the Florida Keys: A focus on the cumulative effects of trade, economic, energy, and aid policies, macroeconomic (county and regional) conditions, and coastal development on the Monroe County commercial fishing industry

**2:30-2:50 pm**

**Summary and Conclusions - *Mr. James Franks***

**Adjourn the Eighteenth Annual MARFIN Conference**