

**SEA SECRETS 2020**  
25TH Anniversary Season



**5**

FIVE LECTURES  
ESSENTIAL TO  
YOUR CALENDAR

Presented by:  
**BANK OF AMERICA**

## Special Edition of Sea Secrets Lecture Series Tuesday, October 6, 2020 6:00pm-7:00pm

### ***Sustainable Marine Aquaculture and The Future of Seafood Production***

Seafood is recognized as one of the healthiest food products for humans, and nearly 40% of the world's 7.8 billion people rely on seafood as a primary protein source. While the world's oceans have traditionally supplied the majority of fish for consumers, aquaculture has emerged as the primary source of seafood for human consumption. Aquaculture is currently producing more than 114 Million metric tons per year, and providing over 55% of the seafood for human consumption. It is the fastest growing sector of food production, and continues to grow at approximately 4.5% per year. As with any rapidly expanding food production industry, there are challenges that must be overcome to ensure such growth is accomplished sustainably.

Aquaculture researchers Daniel Benetti, Ph.D. and John Stieglitz, Ph.D., will discuss how the Rosenstiel School is conducting relevant research to improve the economic viability and environmental sustainability of marine aquaculture. They will explore how aquaculture has become the world's leading form of seafood production while detailing initiatives at the School and around the world that are changing the face of the global seafood industry.

**Dr. Benetti is a professor in the Department of Marine Ecosystems and Society and director of aquaculture at the Rosenstiel School.** Benetti teaches graduate level courses for the aquaculture program, while conducting scientific research on technology development and environmental issues related to aquaculture. With over 30 years of experience in aquaculture worldwide, Benetti specializes in hatchery and open ocean grow-out technologies of marine species, such as cobia, snapper, tuna, mahi-mahi and flounder. Benetti is a consultant to private and government sectors in Latin America, U.S., Europe, Asia, Caribbean and Australia, primarily to advance technology for hatchery and sustainable offshore aquaculture development.

**Dr. John Stieglitz is a research assistant professor in the Department of Marine Ecosystems and Society at the Rosenstiel School.** Stieglitz is focused on understanding how environmental changes of varying origins and temporal scales affect economically and ecologically valuable marine fish species. Utilizing approaches centered on applied ecophysiology of marine fish, his research aims to address marine aquaculture production challenges while also developing a greater understanding of the impacts of both natural and anthropogenic induced environmental stressors on marine fish species throughout the world.

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