

MEMORANDUM

Agenda Item No. 8(L)(2)

TO: Honorable Chairman Anthony Rodriguez
and Members, Board of County Commissioners

DATE: June 26, 2025

FROM: Geri Bonzon-Keenan
County Attorney

SUBJECT: Resolution appointing Dr. John
D. Stieglitz to the Miami-Dade
County Biscayne Bay Watershed
Management Advisory Board for
a four-year term

Resolution No. R-605-25

The accompanying resolution was prepared by the Regulatory and Economic Resources Department and placed on the agenda at the request of Prime Sponsor Commissioner Micky Steinberg.



Geri Bonzon-Keenan
County Attorney

GBK/uw

Memorandum



Date: June 26, 2025

To: Honorable Chairman Anthony Rodriguez
and Members, Board of County Commissioners

From: Daniella Levine Cava *Daniella Levine Cava*
Mayor

Subject: Appointment to the Biscayne Bay Watershed Management Advisory Board of Dr. John D. Stieglitz

Recommendation

It is recommended that the Board of County Commissioners appoint Dr. John D. Stieglitz, to the Biscayne Bay Watershed Management Advisory Board ("Advisory Board") as the board member representing the University of Miami Rosenstiel School of Marine, Atmospheric, & Earth Science ("UM RSMAS") and filling the vacancy created by the resignation of Dr. Diego Lirman.

Scope

The recommendations and actions of the Biscayne Bay Watershed Management Advisory Board have countywide impact.

Delegation of Authority

The proposed resolution does not delegate authority to the County Mayor or County Mayor's designee.

Fiscal Impact/Funding Source

There is no fiscal impact associated with appointing Dr. John D. Stieglitz to the Advisory Board. The primary cost of the Advisory Board is staff time by the County's Office of Environmental Risk and Resilience and technical and professional staff throughout County departments, who also provide necessary support.

Track Record/Monitor

The Advisory Board is staffed by the Office of Environmental Risk and Resilience. Technical and professional staff from the Department of Regulatory and Economic Resources, Division of Environmental Resources and Management (RER-DERM), and Water and Sewer Department (WASD), provide technical information regarding projects aimed at reducing pollution and nutrients in Biscayne Bay on a regular basis.

Background

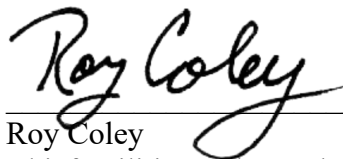
The Miami-Dade County Biscayne Bay Watershed Management Advisory Board was created by the Board of County Commissioners, through Ordinance No. 21-72, as recommended by the Biscayne Bay Task Force. The Advisory Board was created by Article CLXIV of Chapter 2, Sections 2-2420 to 2-2426 of the Code of Miami-Dade County as a permanent board established to advise the Board of County Commissioners and the County Mayor on issues related to Biscayne Bay, including, but not limited to, (1) the long-term management of Biscayne Bay, (2) health of the marine community, (3) run-off and other impacts to water

quality, (4) marine debris, (5) education and outreach, (6) economic development and vitality related to Biscayne Bay, and (7) how conditions in Biscayne Bay may affect residents and property owners. These recommendations to the Board of County Commissioners will be used to update Chapter 24 of the Miami-Dade County Code to incorporate the findings of the Biscayne Bay Watershed Plan and prioritize projects to improve the water quality of Biscayne Bay. In addition, the advisory board provides a local perspective on Biscayne Bay problems, issues, and solutions.

University of Miami RSMAS

The University of Miami RSMAS has recommended Dr. John D. Stieglitz for appointment. Correspondence from UM RSMAS and the resume of the nominee are included in Attachment A.

Attachment

A handwritten signature in black ink that reads "Roy Coley". The signature is written in a cursive, flowing style. Below the signature is a horizontal line.

Roy Coley
Chief Utilities and Regulatory Services Officer

UNIVERSITY OF MIAMI

ROSENSTIEL SCHOOL of
MARINE, ATMOSPHERIC
& EARTH SCIENCE



Marine Biology and Ecology
4600 Rickenbacker Causeway
Miami, Florida 33149-1031

Phone: 305-421-4623
E-mail: mgrosell@miami.edu

March 5, 2025

Loren Parra
Miami-Dade County Chief Resilience Officer
Stephen P. Clark Government Center
111 NW First Street, 21st Floor
Miami, FL 33128

Dear Members of the Biscayne Bay Watershed Advisory Board,

I am pleased to nominate Dr. John D. Stieglitz, Research Associate Professor and Director of Sustainable Seafood Research and Development at the University of Miami (UM) – Rosenstiel School of Marine, Atmospheric, and Earth Science, to serve as the UM – Rosenstiel School representative on the Biscayne Bay Watershed Advisory Board. With deep expertise in marine biology, ecology, aquaculture, fish physiology, and water quality management, Dr. Stieglitz would be a valuable asset to the Board's mission.

Dr. Stieglitz's research on sustainable seafood, fisheries, water quality, environmental toxicology, and coastal ecosystem restoration has significantly advanced our understanding of human impacts on marine ecosystems. His work directly aligns with the challenges facing the Biscayne Bay watershed, and his insights will be instrumental in shaping policies and initiatives to protect and restore its health.

Beyond his research, Dr. Stieglitz collaborates extensively with local stakeholders, government agencies, and conservation organizations to implement science-driven solutions for fisheries management and environmental stewardship. As an experienced leader of interdisciplinary teams and academic programs, he is adept at translating complex science into actionable strategies that benefit both policymakers and the broader community.

I strongly recommend Dr. Stieglitz's appointment, as his expertise, leadership, and commitment to environmental sustainability will greatly benefit the Advisory Board. He is an excellent representative of the UM – Rosenstiel School, and I'm confident he will be a welcome addition to the Advisory Board. Please do not hesitate to contact me should you require any additional information.

Sincerely,

Martin Grosell, PhD
Maytag Professor of Ichthyology
Chair of the Department of Marine Biology and Ecology
Editor in Chief, "Comparative Physiology and Biochemistry Part C"
RSMAS, University of Miami
4600 Rickenbacker Causeway
33149-1098 Miami, Florida USA
Phone: (305) 421-4623
E-mail: mgrosell@miami.edu

CURRICULUM VITAE (CV)

JOHN D. STIEGLITZ

6791 SW 76th Terrace; South Miami, FL, 33143

(a) PROFESSIONAL AND ACADEMIC CREDENTIALS:

Research Associate Professor, Director of Sustainable Seafood Research & Development;
Department of Marine Biology and Ecology, Rosenstiel School of Marine, Atmospheric, &
Earth Science, University of Miami, 4600 Rickenbacker Causeway, Miami, Florida 33149
E-mail: jstieglitz@miami.edu / Phone: (305) 421-4303
ORCID: <https://orcid.org/0000-0003-3926-4364>

PROFESSIONAL PREPARATION

University of Miami - RSMAES, USA, Aquaculture / Ecotoxicology	PDF	2014 – 2017
University of Miami - RSMAES, USA, Marine Biology & Fisheries	Ph.D.	2014
University of Miami - RSMAES, USA, Marine Affairs / Aquaculture	M.Sc.	2010

APPOINTMENTS

Research Associate Professor, University of Miami, RSMAES	06/2023 – present
Research Assistant Professor, University of Miami, RSMAES	2017 – 05/2023
Graduate Research Assistant, University of Miami, RSMAES	2007 – 2014

(b) SELECTED RECENT SCIENTIFIC PUBLICATIONS (CAREER TOTAL: > 60):

- 1) Colman, J., Zimmerman, S., Hoenig, R., Cox, M., and Stieglitz, J. (2025) Relationship of bioelectrical impedance to organoleptic data of farm-raised olive flounder, *Paralichthys olivaceus*. *Aquaculture International* 33 (178). doi.org/10.1007/s10499-025-01845-9.
- 2) Buchalla, Y., McGuigan, C., Stieglitz, J., Hoenig, R., Tudela, C., Darville, K., Ibarra-Castro, L., Benetti, D. (2023) Advancements in hatchery production of red snapper (*Lutjanus campechanus*): Exclusive use of small strain rotifers as initial prey for larval rearing. *Journal of the World Aquaculture Society* 54 (5): 1096 – 1109. doi.org/10.1111/jwas.12992
- 3) Stieglitz, J., Hoenig, R., Baggett, J., Tudela, C., Mathur, S., and Benetti, D. (2021) Advancing production of marine fish in the U.S.: Olive flounder, *Paralichthys olivaceus*, aquaculture. *Journal of the World Aquaculture Society* 52 (3): 566 – 581. doi.org/10.1111/jwas.12804.
- 4) Lohroff, T., Gillette, P., Close, H., Benetti, D., and Stieglitz, J. (2021) Evaluating the potential bioextractive capacity of south Florida native macroalgae *Agardhiella subulata* for use in integrated multitrophic aquaculture (IMTA). *Aquaculture* 544 (15): 737091. doi.org/10.1016/j.aquaculture.2021.737091.
- 5) Stieglitz, J.D., Benetti, D.D., & Grosell, M. (2018): Nutritional physiology of mahi-mahi (*Coryphaena hippurus*): Postprandial metabolism of different diets and metabolic impacts on swim performance. *Comp.Biochem.Physiol.* 215, 28-34. doi: 10.1016/j.cbpa.2017.10.016.
- 6) Kloeblen, S., Stieglitz, J.D., Suarez, J., Grosell, M., & Benetti, D. (2018): Characterizing egg quality and larval performance from captive mahi-mahi (*Coryphaena hippurus*) over time. *Aquaculture Research*. 2018, 1-12. doi: 10.1111/are.13459.
- 7) Mager, E.M., Pasparakis, C.P., Stieglitz, J.D., Hoenig, R., Morris, J.M., Benetti, D.D. & Grosell, M. (2018): Combined effects of hypoxia or elevated temperature and *Deepwater*

CURRICULUM VITAE (CV)

Horizon crude oil exposure on juvenile mahi-mahi swimming performance. *Mar.Env.Res.* 139:129-135. doi: 10.1016/j.marenvres.2018.05.009.

- 8) Stieglitz, J., Hoenig, S., Kloeben, S., Tudela, C., Grosell, M. & Benetti, D. (2017): Capture, transport, prophylaxis, acclimation and continuous spawning of mahi-mahi (*Coryphaena hippurus*). *Aquaculture*, 479, 1-6. doi:101016/j.aquaculture.2017.05.006.
- 9) Stieglitz, J.D., Mager, E.M., Hoenig, R.H., Benetti, D.D. & Grosell, M. (2016): Impacts of *Deepwater Horizon* crude oil exposure on adult mahi-mahi (*Coryphaena hippurus*) swim performance. *Environ.Tox.Chem.* 35(10), 2613-2622. doi: 10.1002/etc.3436.

(c) SYNERGISTIC ACTIVITIES:

CONFERENCE CONTRIBUTIONS / PRESENTATIONS: >150 Career Total

EXTENSIVE TRACK RECORD OF EXTRAMURALLY FUNDED RESEARCH

PROFESSIONAL SERVICES

Grant Review Panelist

National Science Foundation (NSF), National Oceanic and Atmospheric Administration (NOAA), California Sea Grant, South Carolina Sea Grant Consortium, USDA

Reviewer for >25 International Journals of Aquaculture, Ecotoxicology, Physiology, and Fisheries Sciences

Invited Guest Editor

Comparative Biochemistry and Physiology – Part C (Special Issue: Aquaculture)

U.S. Coast Guard Licensed Master Captain (50 tons)

Consultant for private aquaculture and sustainable seafood sectors in the U.S. and abroad

(d) TEACHING AND MENTORING ACTIVITIES:

**GRADUATE / UNDERGRADUATE / PROFESSIONAL TRAINING COURSES
TAUGHT (2015 – PRESENT)**

Aquaculture Business, Regulatory, and Environmental Considerations (AQUA IV),
Graduate Level Course, University of Miami, FL

Advanced Techniques in Sustainable Aquaculture (AQUA II),
Graduate Level Course, University of Miami, FL

Regional Animal Production Course (RAPCO) – Aquaculture,
Professional Training Course, Auburn University, AL

Introduction to Aquaculture, Undergraduate Level Course, University of Miami, FL

Guest Lecturer for Graduate and Undergraduate Level Courses:

Aquaculture, Environmental Biology of Fish, Oceanography, and Fish Physiology

MENTORING EXPERIENCE

Student Committees:

Doctor of Philosophy (PhD): 5 / Master of Science (MSc): 6 /

Master of Professional Science (MPS): 25+ / Undergraduate Research Thesis: 5



MEMORANDUM (Revised)

TO: Honorable Chairman Anthony Rodriguez
and Members, Board of County Commissioners

DATE: June 26, 2025

FROM: 
Glen Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No. 8(L)(2)

Please note any items checked.

- _____ **"3-Day Rule" for committees applicable if raised**
- _____ **6 weeks required between first reading and public hearing**
- _____ **4 weeks notification to municipal officials required prior to public hearing**
- _____ **Decreases revenues or increases expenditures without balancing budget**
- _____ **Budget required**
- _____ **Statement of fiscal impact required**
- _____ **Statement of social equity required**
- _____ **Ordinance creating a new board requires detailed County Mayor's report for public hearing**
- _____ **No committee review**
- _____ **Applicable legislation requires more than a majority vote (i.e., 2/3's present ____, 2/3 membership ____, 3/5's ____, unanimous ____, majority plus one ____, CDMP 7 vote requirement per 2-116.1(3)(h) or (4)(c) ____, CDMP 2/3 vote requirement per 2-116.1(3) (h) or (4)(c) ____, CDMP 9 vote requirement per 2-116.1(4)(c) (2) ____) to approve**
- _____ **Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required**

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(L)(2)
6-26-25

RESOLUTION NO. _____ R-605-25

RESOLUTION APPOINTING DR. JOHN D. STIEGLITZ TO
THE MIAMI-DADE COUNTY BISCAYNE BAY WATERSHED
MANAGEMENT ADVISORY BOARD FOR A FOUR-YEAR
TERM

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board appoints Dr. John D. Stieglitz, as recommended by the University of Miami Rosenstiel School of Marine, Atmospheric, & Earth Science, to the Miami-Dade County Biscayne Bay Watershed Management Advisory Board to serve a four-year term beginning with the effective date of this resolution.

The foregoing resolution was offered by Commissioner **Kionne L. McGhee** ,
who moved its adoption. The motion was seconded by Commissioner **Marleine Bastien**
and upon being put to a vote, the vote was as follows:

Anthony Rodriguez, Chairman	aye		
Kionne L. McGhee, Vice Chairman	aye		
Marleine Bastien	aye	Juan Carlos Bermudez	aye
Sen. René García	aye	Oliver G. Gilbert, III	aye
Roberto J. Gonzalez	aye	Keon Hardemon	absent
Danielle Cohen Higgins	aye	Eileen Higgins	absent
Natalie Milian Orbis	aye	Raquel A. Regalado	aye
Micky Steinberg	aye		

The Chairperson thereupon declared this resolution duly passed and adopted this 26th day of June, 2025. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this resolution and the filing of this approval with the Clerk of the Board.



MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

JUAN FERNANDEZ-BARQUIN, CLERK

By: Basia Pruna
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

A handwritten signature in dark ink, appearing to be "NJB", written over a horizontal line.

Narinah P. Jean-Baptiste