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**OPEN SESSION**

1. Convene Meeting
2. Roll Call
3. Consent Agenda
  - a. [Approval of January 2017 Minutes \(Regular Meeting\)](#) (Tab 1)
  - b. [Ratification of Mail Ballot dated February 20, 2017](#) (Tab 2)
  - c. [Ratification of Mail Ballot dated March 13, 2017](#) (Tab 3)
4. Chair's Remarks
5. Student Body President's Remarks
6. Chancellor's Remarks
7. [Institute of Marine Sciences](#) – Hans Paerl, Kenan Professor of Marine and Environmental Sciences
8. [Kenan Music Scholars](#) – Evan Feldman, Associate Professor of Music and Faculty Advisor
9. Report of the Commercialization & Economic Development Committee
10. Report of the External Relations Committee
11. Report of the Finance, Infrastructure & Audit Committee
12. Report of the University Affairs Committee

**CLOSED SESSION**

13. \*Report of the External Relations Committee
14. \*Report of the University Affairs Committee
15. \*Legal Update

**OPEN SESSION**

16. Report of the External Relations Committee
17. Report of the University Affairs Committee
18. Adjournment

\*Some of the business to be conducted is authorized by the N.C. Open Meetings Law to be conducted in closed session.

**BOARD OF TRUSTEES MEETING**  
**The University of North Carolina at Chapel Hill**  
**January 26, 2017**

The Board of Trustees met in regular session on Thursday, January 26, 2017 at The Carolina Inn, Chancellor's Ballroom. Chair Stone convened the meeting at 8:00 a.m.

**ROLL CALL**

Secretary Duckett called the roll and the following members were present:

Dwight D. Stone, Chair	Kelly Matthews Hopkins
Haywood D. Cochrane, Vice Chair	William A. Keyes IV
Charles G. Duckett, Secretary	Allie Ray McCullen
Jefferson W. Brown	William E. McMahan
W. Lowry Caudill, Past Chair	Hari H. Nath
Donald Williams Curtis	Bradley C. Opere
Julia Sprunt Grumbles	

**ELECTION OF ASSISTANT SECRETARY**

Chair Stone called for a motion to approve Clayton Somers as Assistant Secretary to the Board. Vice Chair Cochrane made the motion; it was seconded by Trustee Grumbles and passed.

**STATE GOVERNMENT ETHICS ACT**

Chair Stone read the following statement:

As Chair of the Board of Trustees, it is my responsibility to remind all members of the Board of their duty under the State Government Ethics Act to avoid conflicts of interest and appearances of conflict of interest as required by this Act. Each member has received the agenda and related information for this Board of Trustees' meeting. If any Board member knows of any conflict of interest or appearance of conflict with respect to any matter coming before the Board of Trustees at this meeting, the conflict or appearance of conflict should be identified at this time.

**CONSENT AGENDA**

**Approval of Minutes and Mail Ballots**

On motion of Vice Chair Cochrane and a second by Trustee Keyes, the minutes of the meeting of November 17, 2016 were approved as distributed; as was the ratification of the following mail ballots dated:

- December 19<sup>th</sup> – Personnel actions, actions conferring tenure, and compensation actions
- December 22<sup>nd</sup> – Appointment of Clayton Somers as Vice Chancellor for Public Affairs and Secretary of the University

(ATTACHMENTS A-B)

**CHAIR'S REMARKS**

- Chair Stone began his remarks by thanking those in the audience for attending and referencing today's presentation coming up later in the meeting.
- The Chair officially welcomed Clayton Somers to his first meeting as Vice Chancellor for Public Affairs and Secretary of the University.
  - Chair Stone elaborated on how important Clayton's role will be going forward with public policy discussions taking place.
- Chair Stone then recognized Dwayne Pinkney, Senior Associate Vice Chancellor for Finance and Administration for all the work he has done to support the Board of Trustees as the previous part-time Secretary of the University.

- The Chair reiterated the importance of the board's relationships with the Board of Governors and state government as President Spellings and her team begins the work of presenting the UNC System's budget priorities to the NC General Assembly and the governor.
- The Chair shared remarks on the significance of Coach Roy Williams' 800<sup>th</sup> career win last week at the men's basketball game with Syracuse.
- The Chair reiterated the goals for the year:
  - Support Chancellor Folt and her senior leaders, as they formulate and implement a new strategic framework for the University.
  - Tell our story. Carolina improves the lives of people across North Carolina, our nation, and our world.
  - Accelerate, measure, and communicate the growth and economic impact of our innovation and entrepreneurship initiatives.
  - Help Carolina become more efficient and effective in key operational areas, particularly Finance, Administration, Teaching and Research.

[A copy of these remarks is located in the Office of the Assistant Secretary and at [bot.unc.edu](http://bot.unc.edu).]

Chair Stone called upon Student Body President Bradley Opere to provide remarks.

#### **STUDENT BODY PRESIDENT'S REMARKS**

- Student Body President Bradley Opere shared recent news from student government.
  - Trustee Opere welcomed everyone back to campus for the start of the Spring semester
  - Trustee Opere commended everyone involved in the move in process
  - Trustee Opere reiterated his and his leadership's dedication to student governance. He will continue working with Vice Chancellor Winston Crisp and GPSF to reach a resolution
  - Trustee Opere mentioned the new deans, directors and vice chancellor that recently started work
  - Trustee Opere ended by sharing his excitement for the Chancellor's strategic framework

[A copy of these remarks is located in the Office of the Assistant Secretary and at [bot.unc.edu](http://bot.unc.edu).]

#### **CHANCELLOR'S REMARKS**

- Chancellor Folt began her remarks by thanking Chair Stone and the Board for their continued guidance, as well as Trustee Opere for his comments.
- The Chancellor echoed Chair Stone's welcome of Clayton Somers as well as thanking Dwayne Pinkney.
- Chancellor Folt shared remarks about the opportunity to present the University's strategic framework during the University Affairs Committee meeting
- The Chancellor remarked on the momentous \$25M gift received by the Ackland Art Museum yesterday. She acknowledged Drs. Sheldon and Leena Peck for their gift.
- Chancellor Folt then introduced some new leadership:
  - Nilda Peragallo Montano, Dean of the School of Nursing
  - Scott De Rossi, Dean of the School of Dentistry
  - Gary Bowen, Dean of the School of Social Work
- Chancellor Folt then acknowledged the passing of Dr. Oliver Smithies, UNC's first Nobel laureate.
- The Chancellor shared that Benjamin Kompa ('17) was named a Churchill Scholar today. Benjamin is a double major in math and computational science with a biology

- minor. He makes this Carolina's third consecutive recipient since 2014.
- Chancellor Folt shared information on December Commencement. There were 907 undergraduates, 886 masters, 49 professional, and 324 doctoral students.
    - She discussed Dr. Raj Panjabi ('02, '07) who received the 2017 TED Prize. Dr. Panjabi is CEO of Last Mile Health
  - Chancellor Folt announced that Brooke Baldwin ('01) will be the Spring Commencement speaker. Brooke is an anchor on CNN.
  - The Chancellor also announced that for the 12<sup>th</sup> consecutive year the university received a record number of applications. Over 40,000 were received for Fall 2017.
  - Chancellor Folt shared some highlights from around campus:
    - The Gillings School of Global Public Health received a \$19M contract to continue 30-year work on hardening of arteries research
    - The DOT gave the Highway Safety Center \$15M over 5 years to build on over 50 years of safety work
    - UNC Marine Sciences is working on predictions of harmful algal blooms
    - The Arts Everywhere initiative continues including *Playmakers' Mobile Shakespeare* program
    - UNC became a founding member of the American Talent Initiative (ATI) that is building access and affordability in higher education
  - Chancellor Folt ended her remarks by introducing the presentation.

[A copy of these remarks is located in the Office of the Assistant Secretary and at [bot.unc.edu](http://bot.unc.edu).]

### **CHANCELLOR SCIENCE SCHOLARS**

Chancellor Folt introduced Dr. Mike Crimmins, Executive Director of the Chancellor's Science Scholars (CSS) program and Mary Ann Smith Distinguished Professor of Chemistry. The CSS program began as a partnership in 2011 with UMBC's Meyerhoff Scholars program and the Howard Hughes Medical institute. The purpose of these relationships are to diversify and provide access to jobs in the fields of STEM. The program also works to bring awareness to issues of diversity in STEM fields.

These students receive a \$10,000 per year merit scholarship. The program begins with a 5-6 week summer EXCEerator where students take classes, and receive advising, mentoring, and counseling. Dr. Crimmins shared some statistics on the program before introducing three students: Sierra Atwater (UNC '17), Kristen Gardner (UNC '19), and Carlos Perez-Heydrich (UNC '19). The students shared their experiences with the program and entertained questions from the board.

This presentation can be found on [bot.unc.edu](http://bot.unc.edu) and on file in the Office of the Assistant Secretary.

### **REPORT FROM THE COMMERCIALIZATION & ECONOMIC DEVELOPMENT COMMITTEE**

Trustee Grumbles presented a review of the Commercialization and Economic Development Committee meeting. There were no action items for this committee in open session. The following items were presented to the committee for information:

- Review of the 2010 Innovation Roadmap final progress report given by Judith Cone, Vice Chancellor for Innovation, Entrepreneurship, and Economic Development (ATTACHMENT C)
- Innovation Roadmap 2.0 given by Vice Chancellor Judith Cone
- NCGrowth given by Mark Little, Director

A full review of the committee meeting are in the committee minutes in the Office of the

Assistant Secretary.

### **REPORT OF THE EXTERNAL RELATIONS COMMITTEE**

Trustee Hopkins presented a review of the External Relations Committee meeting. There were no action items for this committee in open session. Trustee Hopkins then shared the items presented for information:

- Development report given by David Routh, Vice Chancellor for University Development
- Communications update given by Joel Curran, Vice Chancellor for Communications
- Office of Public Affairs overview given by Clayton Somers, Vice Chancellor for Public Affairs and Secretary of the University

A full review of the committee meeting are in the committee minutes in the Office of the Assistant Secretary.

### **REPORT OF THE FINANCE, INFRASTRUCTURE & AUDIT COMMITTEE**

Vice Chair Cochrane presented the report from the Finance, Infrastructure and Audit Committee. The following items were presented to the committee for action:

#### **Site Approval – Field Hockey Stadium**

This project will redevelop the existing Ehringhaus Field as a new facility and field for Women's Field Hockey and shared use by Campus Recreation. The project budget is \$14,186,500 and will be funded by the Educational Foundation. The Chancellor's Buildings and Grounds Committee approved the site at its January 5, 2017 meeting.

(ATTACHMENT D)

#### **Demolition Approval**

##### **1. Frances E. Henry Stadium**

The demolition of the existing Frances E. Henry Stadium is necessary to construct new outdoor fields included in the development of the new Fetzer Soccer/Lacrosse Facility and Indoor Practice facilities. The demolition project budget is \$230K and will be funded by The Educational Foundation.

(ATTACHMENT E)

#### **Construction Manager at Risk Approval**

##### **1. Kenan Labs – Renovations to Labs, Fire Sprinkler, and HVAC System**

This project will renovate approximately 23,000 square feet of laboratory and office space on the 7th and 8th floors. Additional infrastructure upgrades include new restroom facilities on floors 4-8, installation of three new rooftop air handling units to serve floors 5-9 and installation of a new fire sprinkler system for the basement and floors 3-9 to meet current fire protection requirements. The project budget is \$15,850,000.

This project was advertised on November 21, 2016. Six (6) proposals were received. Four (4) firms were interviewed on January 17, 2017. Members of the Board of Trustees did not participate in the interviews. The committee recommended the selection of the three firms in the following priority order:

- |    |                       |             |
|----|-----------------------|-------------|
| 1. | Bordeaux Construction | Raleigh, NC |
| 2. | LeChase Construction  | Durham, NC  |
| 3. | Barnhill Construction | Raleigh, NC |

The firms were selected for their past performance on similar projects, strength of their consultant team and experience with campus projects.

(ATTACHMENT F)

2. UNC Medical Education Building

This project will construct a new 135,000 square foot medical education building to support increased enrollment for the School of Medicine. The building will house flexible learning classrooms, clinical skills and simulation rooms, microbiology labs, an anatomy lab, and office space. The project budget is \$90,000,000 with funding from the Connect NC Bond (\$68,000,000) and the balance provided by School of Medicine gifts.

This project was advertised on November 1, 2016. Nine (9) proposals were received. Four (4) firms were interviewed on January 18, 2017. Two members of the Board of Trustees participated in the interviews. The committee recommended the selection of the three firms in the following priority order:

- |    |                             |             |
|----|-----------------------------|-------------|
| 1. | Brasfield & Gorrie / Metcon | Raleigh, NC |
| 2. | Skanska /Holt Brothers      | Raleigh, NC |
| 3. | Dunn /Leeper /LeChase       | Raleigh, NC |

The firms were selected for their past performance on similar projects, strength of their consultant team and experience with campus projects.

(ATTACHMENT G)

**Property Disposition by Deed**

1. Wastewater Research Building at OWASA Treatment Plant

This request is for approval to transfer by deed an existing wastewater research building and the underlying land to the Orange Water and Sewer Authority (OWASA). The property is located within the existing OWASA treatment plant on Old Mason Farm Road and is landlocked by the OWASA owned plant property. Currently it is accessible through an existing access easement. The property consists of a 0.52 acre parcel with a 6,293 SF brick and corrugated metal building in very poor condition. The building was constructed in 1969 and used for UNC-Chapel Hill research purposes until approximately 2004 at which time it was abandoned for research and used for legacy equipment storage. The current estimated deferred maintenance on the facility is approximately \$300,000. Due to the location and access restrictions to the property, it is not marketable and thus has virtually no fair market value. Once transferred, OWASA plans to demolish the building and use the site for treatment plant expansion.

(ATTACHMENT H)

A motion came from committee to approve the action items; Trustee Grumbles seconded and all passed.

Vice Chair Cochrane continued and shared the items for information only:

- UNC-CH/Town of Chapel Hill joint use project given by Gordon Merklein, Associate Vice Chancellor for University Real Estate Operations
- Internal Audit report given by Phyllis Petree, Chief Audit Officer (ATTACHMENT I)
- Development report given by David Routh, Vice Chancellor for University Development
- Year-end financial summary and review of CAFR given by Matt Fajack, Vice Chancellor for Finance and Administration
- Startup funding and the Carolina Angel Network given by Vice Chancellor Judith Cone and Randy Myer, Managing Director of the Carolina Angel Network

A full review of the committee meeting are in the committee minutes in the Office of the Assistant Secretary.

## **REPORT OF THE UNIVERSITY AFFAIRS COMMITTEE**

Secretary Duckett presented the report from the University Affairs Committee. The following item was presented to the committee for action:

- Centers and Institutes update (ATTACHMENT J)

A motion came from committee to approve the centers and institute actions. Trustee Keyes seconded, and it passed.

Secretary Duckett continued and shared the items presented to the committee for information:

- Faculty recognition of Jodi Magness, Kenan Distinguished Professor for Teaching Excellence in Early Judaism
- Campus introductions of Rachelle Feldman, Associate Provost for Scholarships and Student Aid, and Gloria Thomas, Director of the Carolina Women's Center
- Student Affairs update given by Winston Crisp, Vice Chancellor for Student Affairs
- Chancellor's update on the University strategic framework

A full review of the committee meeting are in the committee minutes in the Office of the Assistant Secretary.

Secretary Duckett then shared the following remarks on the Chancellor's strategic framework:

Many of you were in the room yesterday for a presentation to our committee by Chancellor Folt about "The Blueprint for Next," which is the draft strategic framework for our University. Developing a viable strategic framework is important for our University as we consider the critical need for thoughtful and thorough planning at the broad, campus-wide level. A strategic framework provides this board and the chancellor's senior leadership team with the opportunity to maximize the resources we have to achieve the best possible results for our students, the campus community, and the people of North Carolina.

Supporting Chancellor Folt and her strategy for moving our University forward already is one of this Board of Trustees' key goals for this year. What our committee heard yesterday will provide an excellent start to that process beyond the core commitments that are so important to Carolina.

The draft strategic framework identifies key goals and major priorities for the University. It articulates standards that we plan to use over the next several years to guide decisions about our academic programs and how to prudently invest the University's resources. We understand this framework does not immediately pinpoint a comprehensive list of future University priorities, yet does provide flexibility through which we can have those future conversations in a very intentional way.

Our committee is pleased that the chancellor's plan identified priority initiatives to launch immediately, as well as long-term plans to carefully consider over time as the University's needs and resources change. This inclusive process is indicative of the leadership we have seen throughout Chancellor Folt's tenure. She embraces tough assignments and finds effective ways to bring our campus together to create and present a vision for Carolina that reflects both our rich history and promising future as one of the world's truly great public research universities. The framework provides a very compelling path for Carolina's future that will help us make the best decisions and to create measurable objectives, including a disciplined evaluation process.

Thank you, Chancellor Folt, for guiding these discussions and involving key campus leaders, faculty, staff and students throughout this process. Lowry, we thank you for your vision to make

this process take place. Dwight, our committee also commends you for your role in championing this board's strong interest in bold strategic planning and in working so productively with our chancellor.

Finally, the University Affairs Committee recommends the following action:

The UNC-Chapel Hill Board of Trustees fully and enthusiastically endorses "The Blueprint for Next: Draft University Strategic Framework" and have asked Chancellor Folt to provide regular updates at 2017 and 2018 Board of Trustees meetings.

Chair Stone acknowledged the motion from Secretary Duckett. Trustee Brown seconded, and the motion unanimously passed.

#### **MOTION TO CONVENE IN CLOSED SESSION**

On motion of Secretary Duckett, and seconded by Vice Chair Cochrane, the Board voted to convene in closed session pursuant to North Carolina General Statutes Section 143-318.11 (a) (1) (to prevent the disclosure of privileged information under Section 126-22 and the following); and also pursuant to Section 143-318.11 (a) (2), (3), (5), and (6).

#### **RECONVENE MEETING IN OPEN SESSION**

Chair Stone made a motion to reconvene the meeting in open session; it was seconded and passed.

#### **OPEN SESSION**

#### **REPORT OF THE UNIVERSITY AFFAIRS COMMITTEE**

Secretary Duckett referred the members to the personnel matters submitted for review. A motion came from committee to approve; Vice Chair Cochrane seconded, and it passed. Chair Stone stated that the personnel and salary actions voted on in open session had been distributed.

(ATTACHMENT K)

#### **ADJOURNMENT**

There being no further business to come before the Board, Chair Stone called for a motion to adjourn. The motion was duly seconded and passed. Chair Stone adjourned the meeting at 12:54 p.m.

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Clayton Somers, Assistant Secretary





THE UNIVERSITY  
of NORTH CAROLINA  
at CHAPEL HILL

**CAROL L. FOLT**  
*Chancellor*

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**MEMORANDUM**

**TO:** Members of the Board of Trustees  
**FROM:** Carol L. Folt  
**RE:** Mail Ballot  
**DATE:** February 20, 2017

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You have authorized my office to poll you by mail concerning personnel matters which require attention by the Board. Accordingly, we are transmitting to you herewith personnel actions as follows:

EHRA Faculty Compensation & Tenure Actions

Attachment A

Please mark and return the enclosed mail ballot indicating whether or not you agree with the actions proposed. Thank you.

**The University of North Carolina at Chapel Hill**  
**EXECUTIVE SUMMARY**  
**Board of Trustees**  
**February 23 2017**

**Appendix A**

No.	College/Division	Name	Dept./School	Current Rank	New Rank	Tenure Request Reason	Effective Date	Salary
<b>Personnel Actions</b>								
<b>New Appointments without Tenure</b>								
1	Health Affairs	Brian Conlon	Microbiology & Immunology	Nominated Research Assistant Professor	Assistant Professor		2/24/2017	\$115,000.00
2	Academic Affairs	Alice Marwick	Communication	N/A	Assistant Professor		7/1/2017	\$73,000.00
3	Health Affairs	Douglas Phanstiel	Cell Biology & Physiology	N/A	Assistant Professor		3/1/2017	\$105,000.00
4	Health Affairs	Nora Rosenberg	Health Behavior	Research Assistant Professor	Assistant Professor		3/1/2017	\$81,200.00
<b>Addition of Joint Appointment without Tenure</b>								
0								
<b>Promotion to Full Professor</b>								
1	Academic Affairs	Navin Bapat	Political Science	Associate Professor	Professor		7/1/2017	\$96,849.00
2	Academic Affairs	Kelly Giovanello	Psychology & Neuroscience	Associate Professor	Professor		7/1/2017	\$120,434.00
3	Academic Affairs	Jason Roberts	Political Science	Associate Professor	Professor		7/1/2017	\$108,357.00
<b>Reappointments to the same Rank</b>								
1	Academic Affairs	Cameron Ballard-Rosa	Political Science	Assistant Professor	Assistant Professor		7/1/2018	\$82,824.00
2	Health Affairs	Matthew Hirsch	Ophthalmology	Assistant Professor	Assistant Professor		7/1/2018	\$102,056.00
3	Academic Affairs	Timothy Ryan	Political Science	Assistant Professor	Assistant Professor		7/1/2018	\$81,200.00
<b>Designation/Reappointments to Departmental Chair</b>								
1	Academic Affairs	Jaye Cable	Curriculum for Environment & Ecology	Professor/Adjunct Instructor	Department Chair		1/1/2017	\$118,788.00
2	Academic Affairs	Eunice Sahle	African, African American & Diaspora Studies	Associate Professor/Chair	Department Chair		1/1/2017	\$99,424.00
<b>Designation/Reappointments to Distinguished Professorship</b>								
0								
<b>Actions Conferring Tenure</b>								
<b>Promotion Conferring Tenure</b>								
1	Academic Affairs	Sara Algae	Psychology & Neuroscience	Assistant Professor	Associate Professor	Promotion based on excellence in research	7/1/2017	\$85,313.00
2	Academic Affairs	Anna Bassi	Political Science	Assistant Professor	Associate Professor	Promotion based on excellence in research, teaching, and service	7/1/2017	\$81,301.00
3	Academic Affairs	Kurt Gray	Psychology & Neuroscience	Assistant Professor	Associate Professor	Promotion based on excellence in research	7/1/2017	\$85,581.00
4	Health Affairs	Nathaniel Moorman	Microbiology & Immunology	Assistant Professor	Associate Professor	Promotion based on excellence in research	3/1/2017	\$110,000.00
5	Academic Affairs	Sarah Treul Roberts	Political Science	Assistant Professor	Associate Professor	Promotion based on excellence in research, teaching, and service	7/1/2017	\$82,322.00
6	Health Affairs	Jared Weiss	Medicine	Assistant Professor	Associate Professor	Promotion based on excellence in clinical scholarship	10/1/2017	\$182,475.00
<b>New Appointments Conferring Tenure</b>								
1	Health Affairs	Michael Drummond	Medicine	Nominated Clinical Associate Professor	Associate Professor	Appointment based on excellence in clinical scholarship	3/1/2017	\$190,000.00
<b>Addition of Joint Appointment Conferring Tenure</b>								
0								
<b>Corrections</b>								
1	Health Affairs	Tal Kafri	Microbiology & Immunology	Associate Professor	Professor		*2/1/2017	

**The University of North Carolina at Chapel Hill**  
**EXECUTIVE SUMMARY**  
**Board of Trustees**  
**July 14, 2014**

Appendix B

No.	College/Division	Name	School	Department	Rank	Reason	Requested Amount of Increase **	Percent of Increase **	June 30 Salary	Current Salary	New Salary	Effective Date
<b>Compensation Actions</b>							<b>** Based on cumulative increase(s) to 6/30 salary</b>					
1	Health Affairs	Matthew Baker	Medicine	Cardiology	Clinical Fellow	Increase due to new faculty appointment as Clinical Assistant Professor via external competitive event	\$194,751	298.47%	\$65,249	\$65,249	\$260,000	3/1/2017
2	Health Affairs	Peter Duquette	Medicine	Psychiatry	Clinical Assistant Professor	Increase due to retention counteroffer as Dr Duquette received an external offer from WakeMed	\$22,135	27.76%	\$79,743	\$81,338	\$101,878	3/1/2017
3	Health Affairs	Morris Weinberger	Public Health	Health Policy & Management	Distinguished Professor/Chair	Increase due to internal equity after being appointed as department Chair	\$64,055	28.86%	\$221,945	\$252,945	\$286,000	2/1/2017
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No.	College/Division	Name	Department/School	Rank	Reason	Total Monetary Value of Non-Salary Compensation	Duration of Non-Salary Compensation	Effective Date	End Date
<b>Non-Salary Compensation Actions</b>									
0	N/A	N/A	N/A		N/A	N/A	N/A	N/A	NA

*The University of North Carolina at Chapel Hill*  
**EXECUTIVE SUMMARY**  
*Board of Trustees*  
*July 14, 2014*

No.	College/Division Name	Department/School	Rank	Description
For Information				
0	N/A	N/A	N/A	N/A

No.	College/Division	Name	Department/School	Rank	Reason	Requested Increase Amount	Percent of Increase	Current Salary	New Salary	Effective Date
<b>Compensation Actions</b>						* Available funding for each action has been confirmed by the appropriate Department and School/Division management officials to support the proposed salary increase. Upon implementation, specific funding sources are reviewed and approved at the Department level, as well as by the applicable University Central financial offices, including the University Budget Office and the Office of Sponsored Research for grant-funded salaries.				

										Total Monetary Value of Non- Salary Compensation	Duration of Non- Salary Compensation	Effective Date	End Date
No.	College/Division	Name	Department/School	Rank	Reason								
Non-Salary Compensation Actions													
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA		



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## Mail Ballot

### Board of Trustees

**February 20, 2017**

Chancellor Carol Folt submits for your review and approval the EHRA Faculty salary and tenure actions as recommended for February 2017. This mail ballot will be approved as part of the consent agenda at the Full Board meeting on Thursday, March 23, 2017.

The undersigned votes as follows with recommendation to these proposed actions as presented by the Chancellor.

	Approve	Disapprove
EHRA Faculty Salary Increases and Tenure Promotions (Attachment A)	<input type="checkbox"/>	<input type="checkbox"/>

Signature\_\_\_\_\_

Printed Name\_\_\_\_\_

Date\_\_\_\_\_

Please fax to TJ Scott at (919) 962-1647 or email at [tj\\_scott@unc.edu](mailto:tj_scott@unc.edu)

This mail ballot was approved by majority vote on February 20, 2017 by the following: Dwight Stone, Haywood Cochrane, Chuck Duckett, Lowry Caudill, Julia Grumbles, Allie Ray McCullen, and Ed McMahan.



CAROL L. FOLT  
Chancellor

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**TO:** Members of the Board of Trustees  
**FROM:** Carol L. Folt  
**RE:** Mail Ballot  
**DATE:** March 13, 2017

---

I write to request your approval by mail ballot of the following matters related to the Endowment Fund:

1. The Department of Microbiology and Immunology holds quasi endowment fund #71326 for the benefit of the Department. The current market value of the fund as of December 31, 2016 is \$304,146.16. The Department, with the approval of the Dean of School of Medicine, wishes to withdraw the remaining balance and fully liquidate the fund for faculty salaries in upcoming fiscal years. Without this action, due to past budget cuts, these salary expenses will not otherwise be covered. I recommend approval of the withdrawal.
2. In 2005, the Department of Environmental Sciences and Engineering (ESE) created a quasi-endowment fund #71065 using expendable gifts and over time reinvested the distribution to build up the fund. The current market value of the fund as of December 31, 2016 is \$1,327,440.41. ESE wishes to withdraw \$1,000,000 from principal for investments in new faculty start-up, shared Department equipment purchases and new initiatives in connection with support for the Water Institute for personnel and other related expenses. I recommend approval of the withdrawal. The Board of Trustees of the Endowment Fund has approved this withdrawal.

Please mark and return the enclosed ballot indicating whether or not you approve of the above action. Thank you.

Enclosure

cc: Matt Fajack, Vice Chancellor for Finance and Administration  
David Routh, Vice Chancellor for University Development  
Brian Smith, Asst. Vice Chancellor for Finance and Accounting  
Will Tricomi, Senior University Counsel and Associate Vice Chancellor  
Micah Malouf, Associate University Counsel



THE UNIVERSITY  
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## Mail Ballot

### Board of Trustees

March 13, 2017

Attached for your review and approval is a memo concerning two Endowment Fund matters related to the Departments of Microbiology and Immunology and Environmental Sciences and Engineering. This mail ballot will be approved as part of the Consent Agenda at the Full Board meeting on Thursday, March 23, 2017.

The undersigned votes as follows with respect to the recommendation proposed in Chancellor Folt's memorandum dated March 13, 2017.

	Approve	Disapprove
Withdrawal from Quasi-Endowment for the benefit of the Department of Microbiology & Immunology	<input type="checkbox"/>	<input type="checkbox"/>
Withdrawal from Quasi-Endowment for the benefit of the Department of Environmental Sciences & Engineering	<input type="checkbox"/>	<input type="checkbox"/>

Signature\_\_\_\_\_

Printed Name\_\_\_\_\_

Date\_\_\_\_\_

Please fax to TJ Scott at (919) 962-1647 or email at [tj\\_scott@unc.edu](mailto:tj_scott@unc.edu)

This mail ballot was approved by majority vote on March 13, 2017 by the following: Dwight Stone, Haywood Cochrane, Chuck Duckett, Lowry Caudill, Jeff Brown, Don Curtis, Julia Grumbles, Kelly Hopkins, Allie Ray McCullen, and Ed McMahan



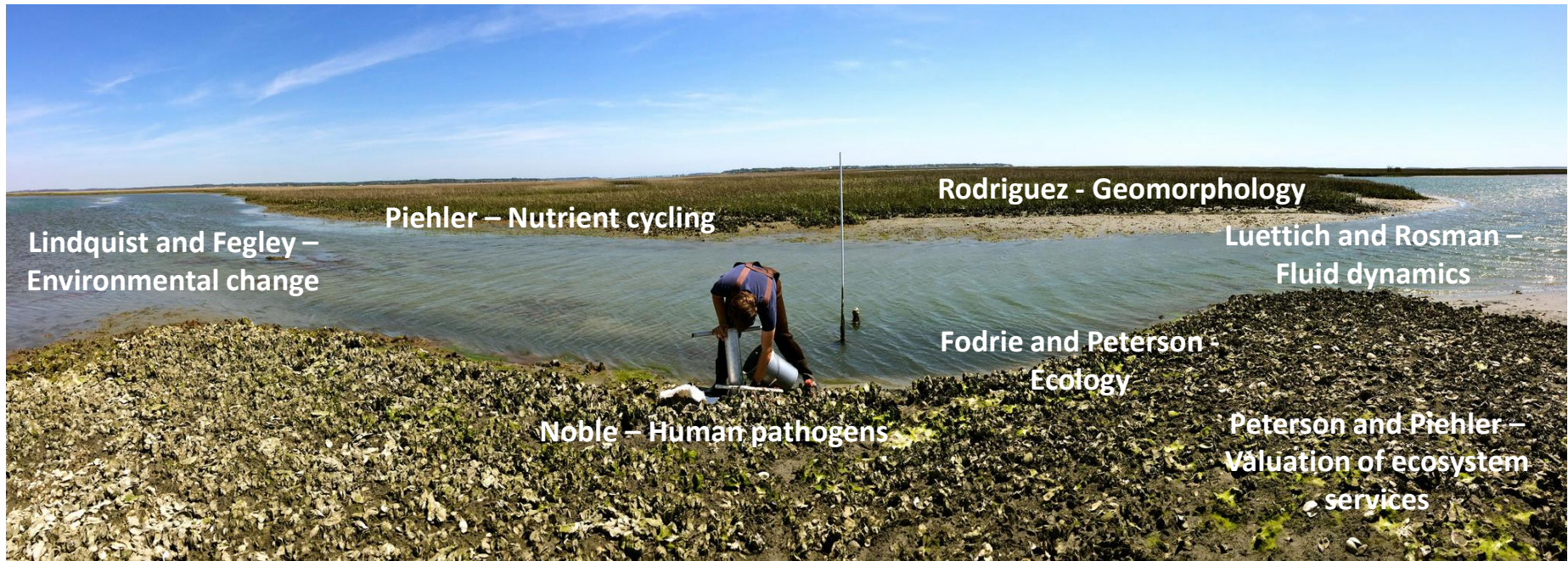
# Coastal research at the UNC Institute of Marine Sciences

Mike Piehler, Hans Paerl and  
Alexandria Hounshell

- UNC coastal research began in 1894
- The Institute of Fisheries Research formed in 1947
- IMS was founded to conduct coastal research for North Carolina and has vigorously pursued that mission



# Oyster research at IMS



- Reefs can grow as fast as forecast sea level changes
- Oyster restoration is highly sensitive to water depth
- Common substrates for restoration attract oyster parasites
- Human pathogens in oysters such as *Vibrio* vary geographically making development of safety regulations challenging

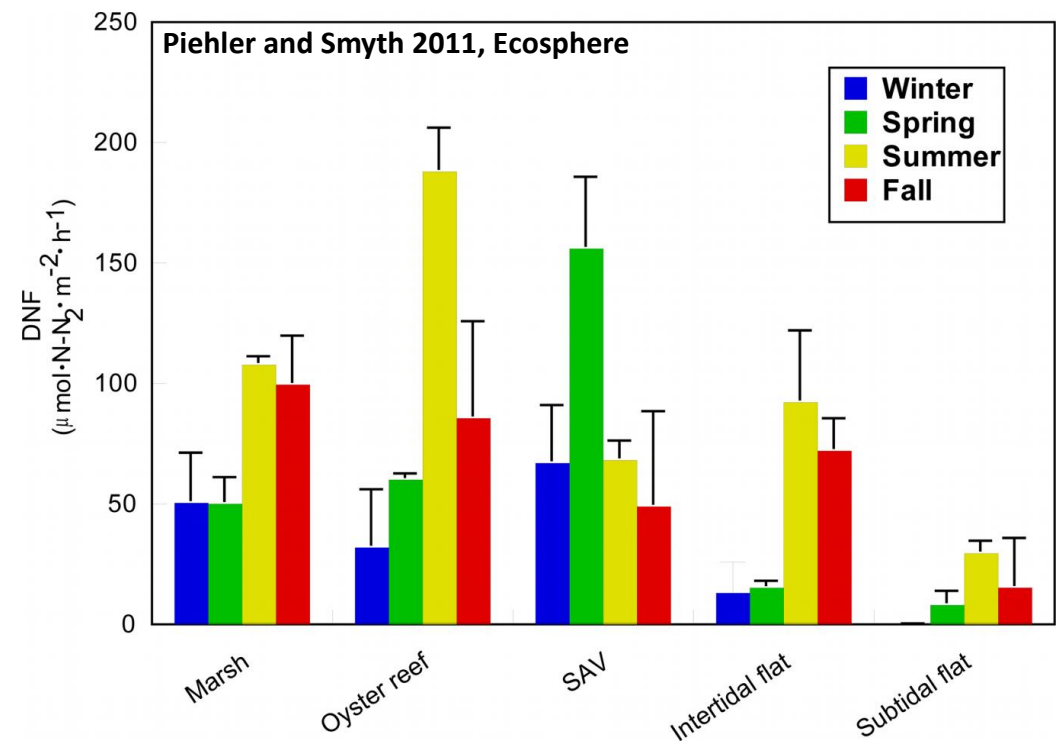




# Oyster research enriches education at IMS and is fuelled by excellent students



# Oysters and nitrogen?

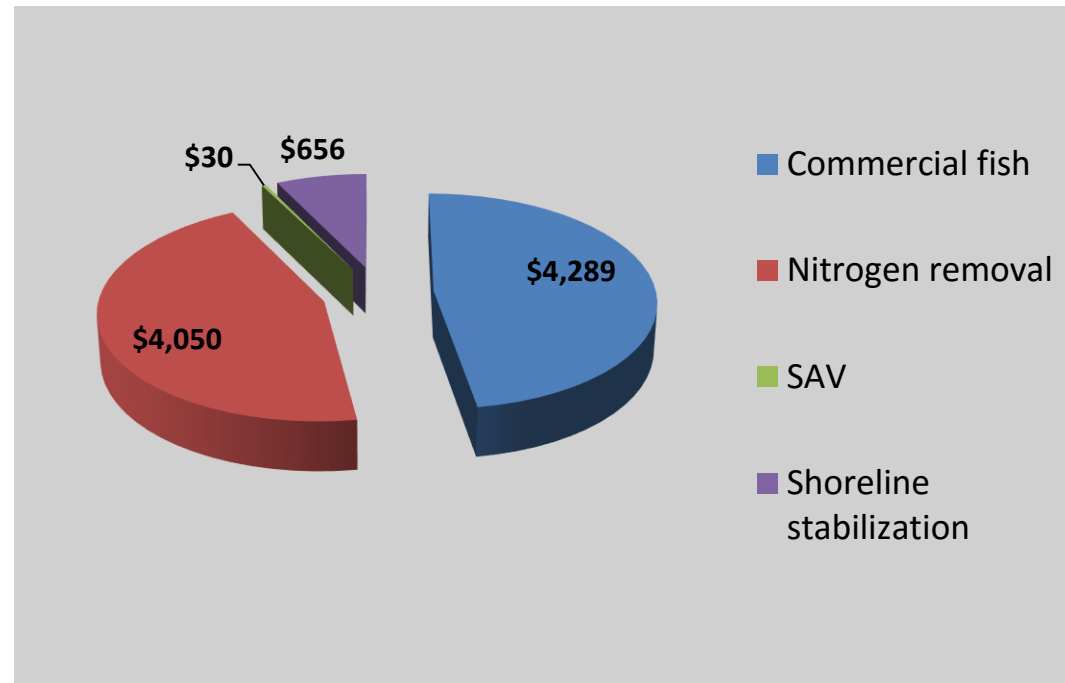


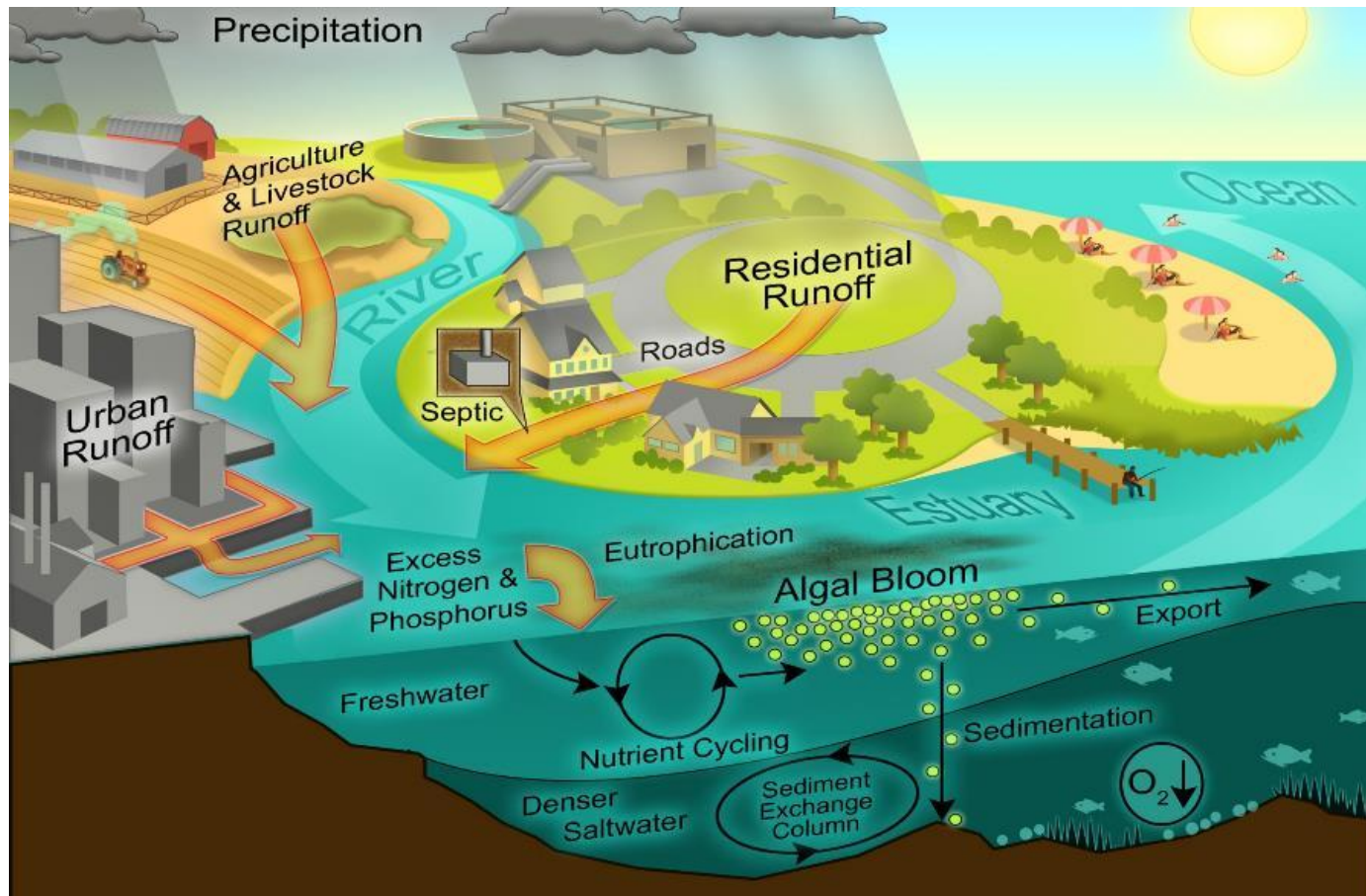


# Oyster Ecosystem Services

Value of oyster services=  
\$10,122 per hectare

- Oyster fishery
- Fish production
  - Provide habitat
- Shoreline stabilization
- Water quality
  - Algae removal
  - Increase water clarity
  - Nitrogen removal





# Estuarine eutrophication: Too much of a good thing



Nitrogen (N) and phosphorus (P) inputs control algal growth & water quality

Excess algal growth (blooms) lead to eutrophication

Eutrophication can threaten drinking water supplies, recreational uses, and water and habitat quality

Determining sources and chemical forms of N and P is critical

Climate factors (warming, tropical cyclones, floods, droughts) influence these effects





# Critical information for managing coastal eutrophication



Our research on estuarine eutrophication has:

- Quantified the magnitude of the problem
- Identified the controlling factors that can be managed
- Detailed the role of large storms
- Explored the role of increasing temperatures



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# Coastal algae blooms are a problem

Large areas of US coastal waters have excessive algal growth

Coastal waters provide valuable resources to people, algal blooms reduce their value

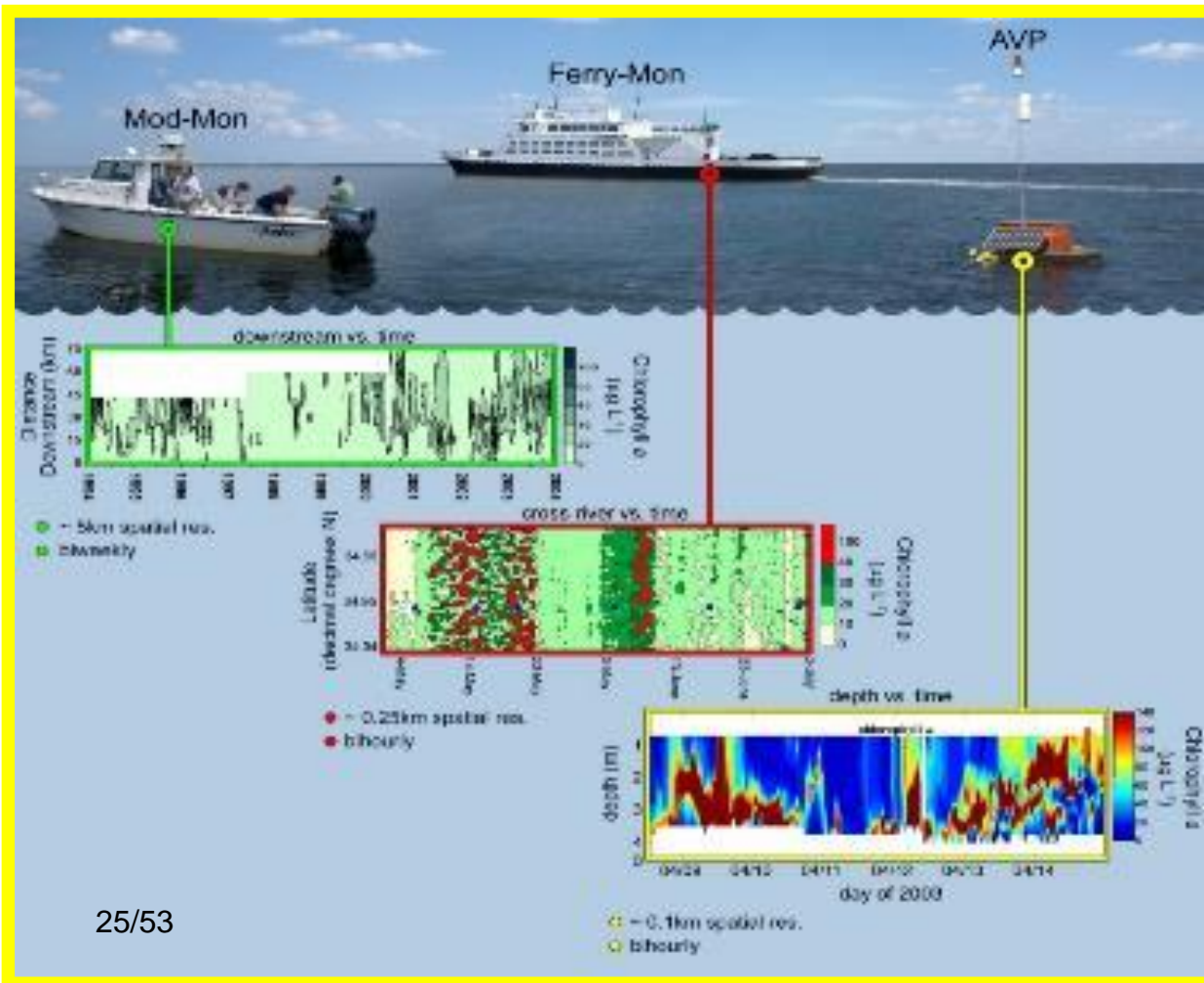
Management is challenging and requires action on land, often far away from the polluted waters

*Limnol. Oceanogr.*, 33(4, part 2), 1988, 823–847  
© 1988, by the American Society of Limnology and Oceanography, Inc.

## Nuisance phytoplankton blooms in coastal, estuarine, and inland waters<sup>1</sup>

*Hans W. Paerl*

Institute of Marine Sciences, University of North Carolina, Morehead City 28557



## 26/53



# How do large storms affect coastal eutrophication management?

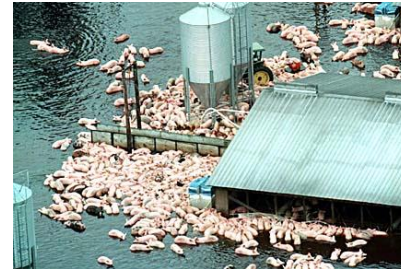
Impacts of large storms on coastal waters vary from stimulating large algae blooms to flushing out the system so completely that algae do not accumulate

Storms have immediate and longer term impacts on the function of coastal systems and must be accounted for in management efforts

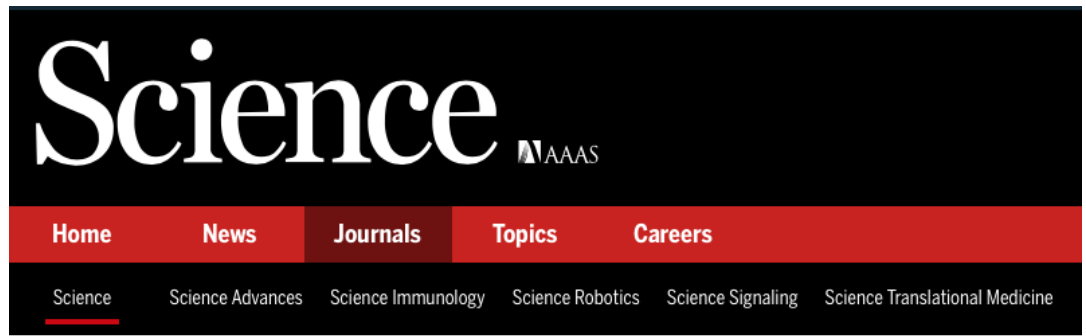
## Ecosystem impacts of three sequential hurricanes (Dennis, Floyd, and Irene) on the United States' largest lagoonal estuary, Pamlico Sound, NC

Hans W. Paerl<sup>\*,†</sup>, Jerad D. Bales<sup>‡</sup>, Larry W. Ausley<sup>§</sup>, Christopher P. Buzzelli<sup>\*</sup>, Larry B. Crowder<sup>¶</sup>, Lisa A. Eby<sup>¶</sup>, John M. Fear<sup>\*</sup>, Malia Go<sup>\*</sup>, Benjamin L. Peierls<sup>\*</sup>, Tammi L. Richardson<sup>||</sup>, and Joseph S. Ramus<sup>¶</sup>

Proceedings of the National Academy of Sciences of the United States of America



# How does temperature affect coastal and inland algal blooms?

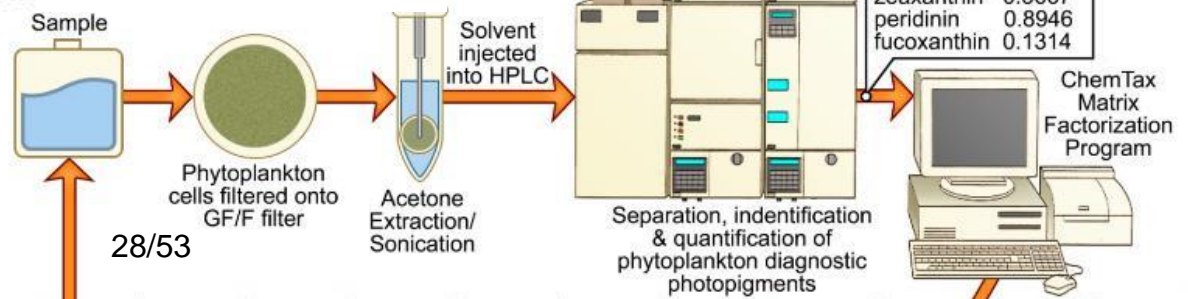
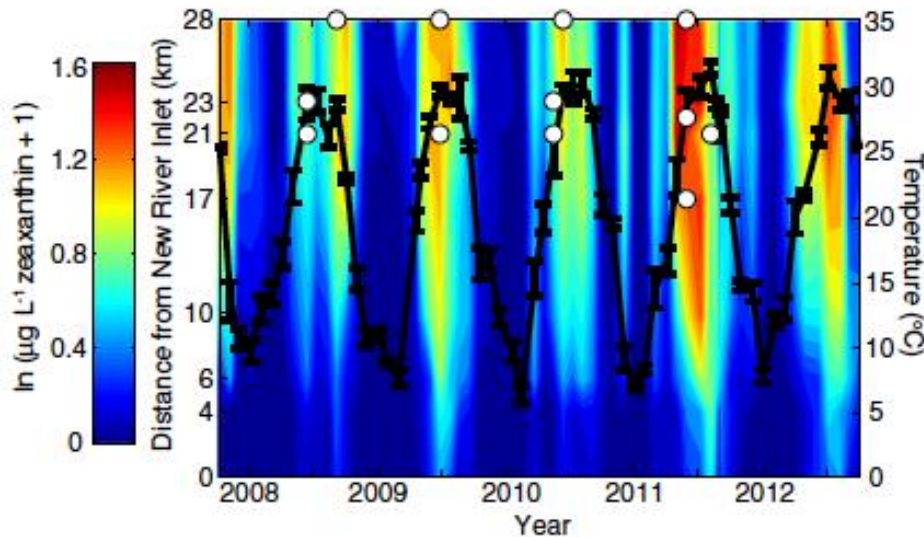


SHARE PERSPECTIVE CLIMATE



## Blooms Like It Hot

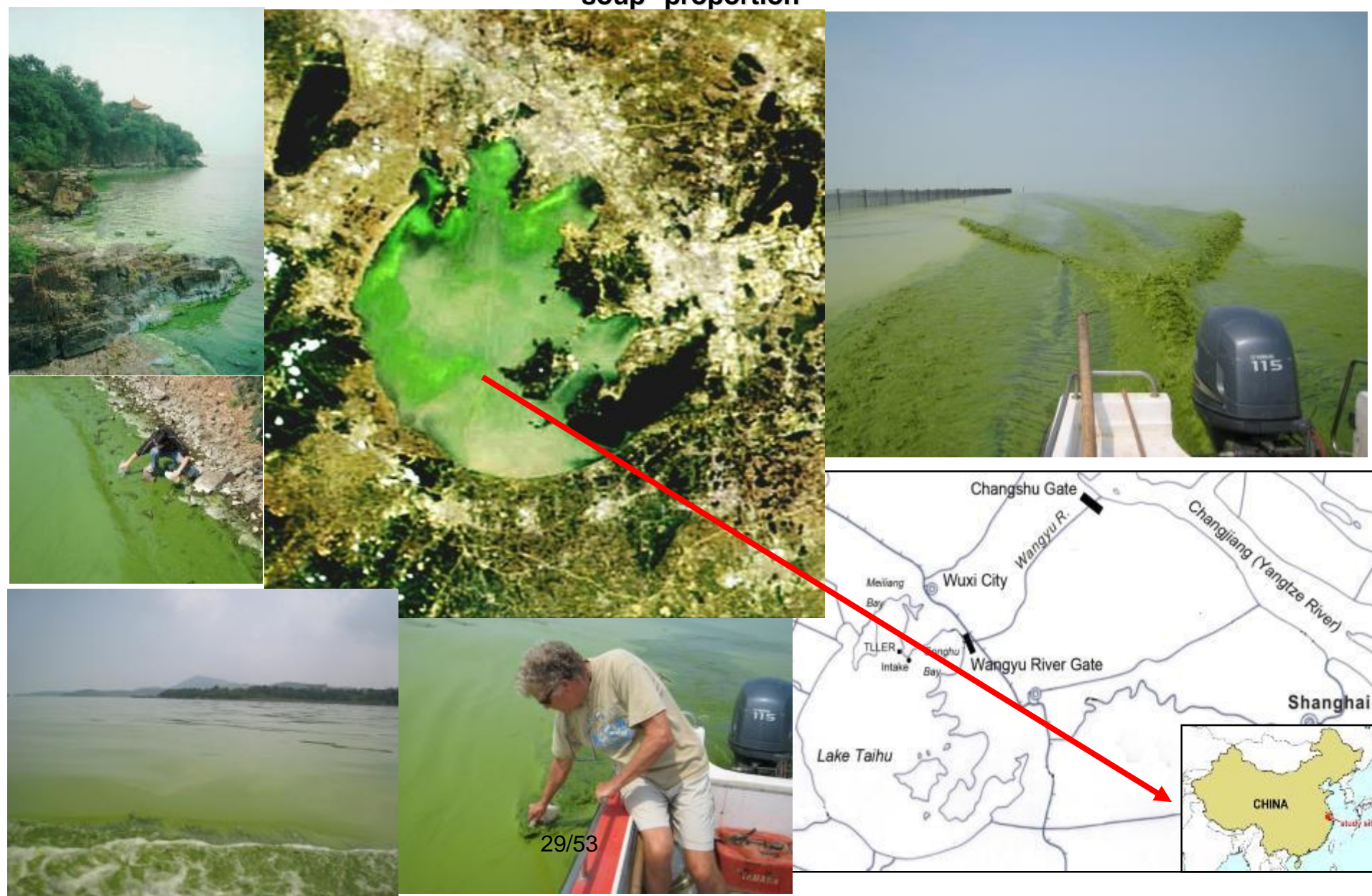
Hans W. Paerl<sup>1</sup>, Jef Huisman<sup>2</sup>  
affiliations



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**Eutropication is a global problem. NSF-US-China Dimensions of Biodiversity project is investigating the “poster child”: Lake Taihu, 3<sup>rd</sup> largest lake in China. Nutrient over-enrichment from unprecedented human development in the Taihu Basin. Results: Toxic cyanobacterial blooms have increased to “pea soup” proportion**



Like in NC, Excessive N & P inputs are responsible for toxic cyanobacterial blooms Taihu:  
Bioassays indicate a 30-50% reduction in inputs is needed to control blooms.





# How much do algae blooms contribute to coastal oxygen depletion?

## Ecosystem responses to internal and watershed organic matter loading: consequences for hypoxia in the eutrophying Neuse River Estuary, North Carolina, USA

Hans W. Paerl\*, James L. Pinckney, John M. Fear, Benjamin L. Peierls



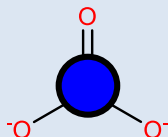
During most scenarios, senescing algae  
fuel oxygen depletion in eutrophic coastal  
waters

In the highest flow conditions, algae are  
washed out of the coastal waters and  
material from land (e.g. plant material)  
fuel oxygen

## Inorganic Nutrients



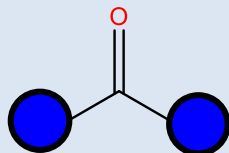
Ammonia



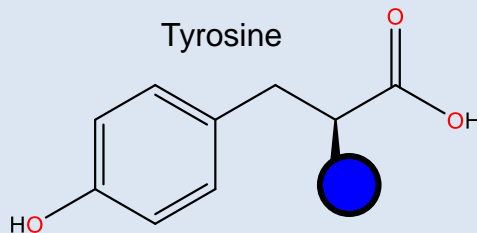
Nitrate

## Organic Nutrients

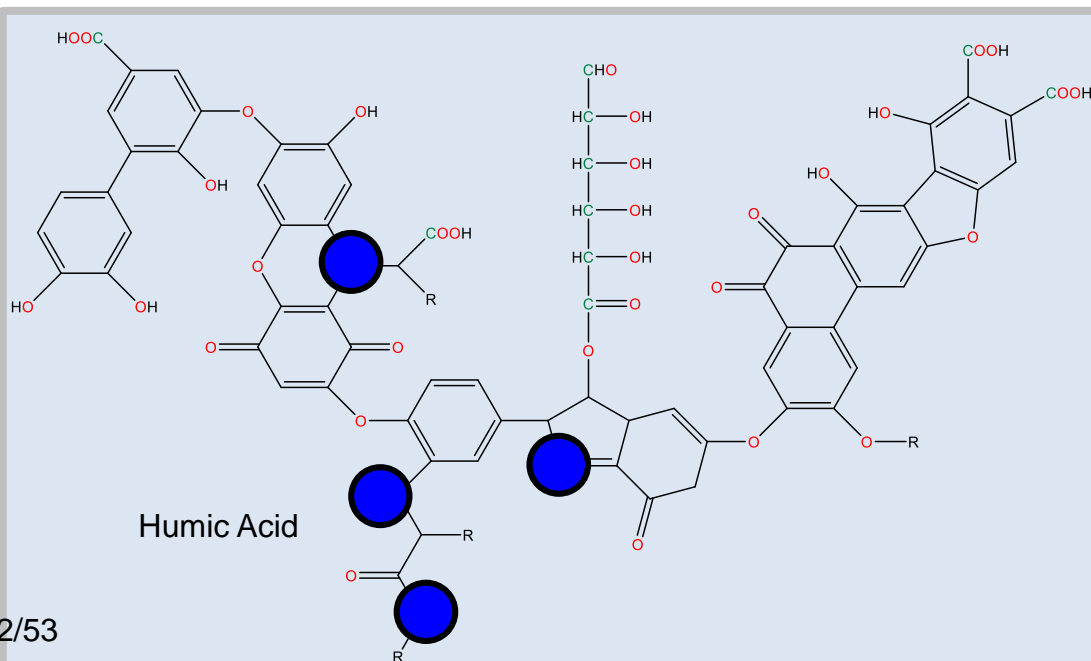
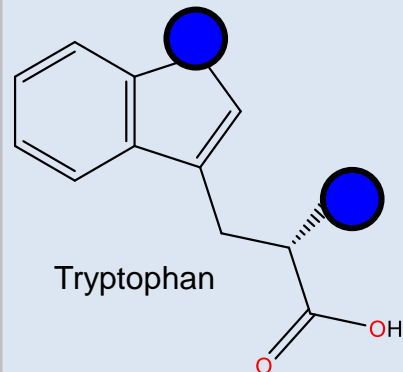
Urea



Tyrosine



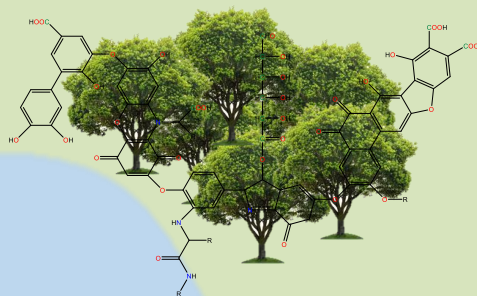
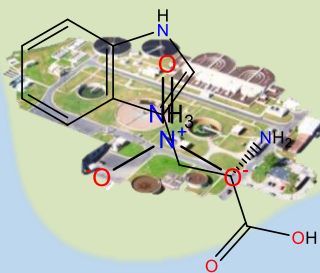
Tryptophan



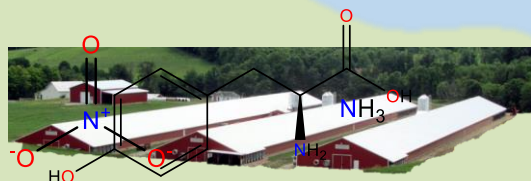
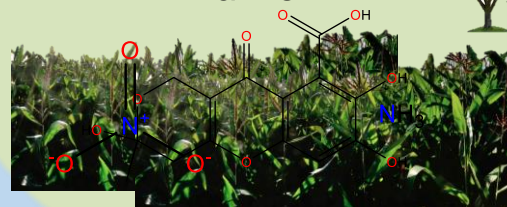
Humic Acid



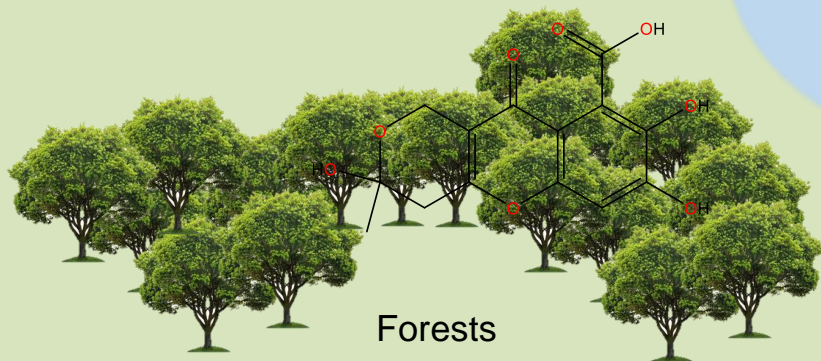




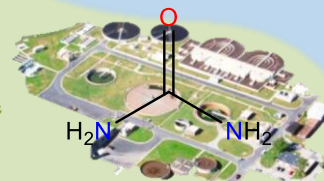
Farms



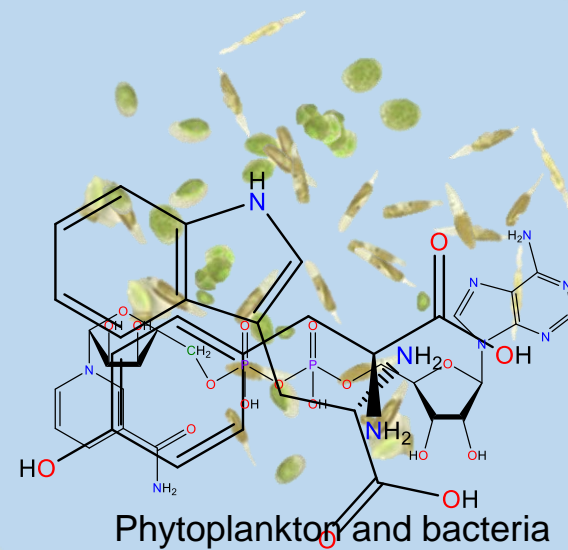
Hog and Chicken Farms



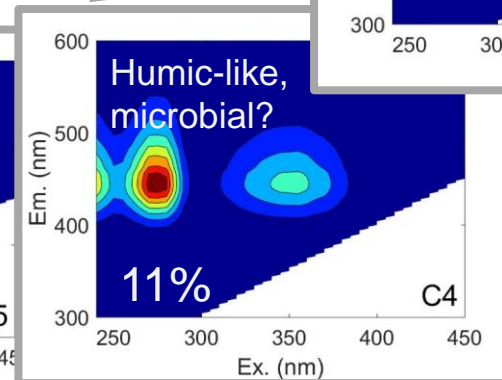
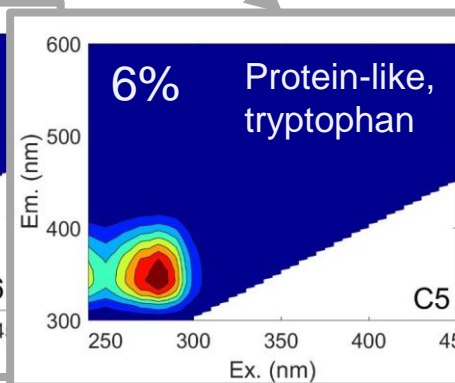
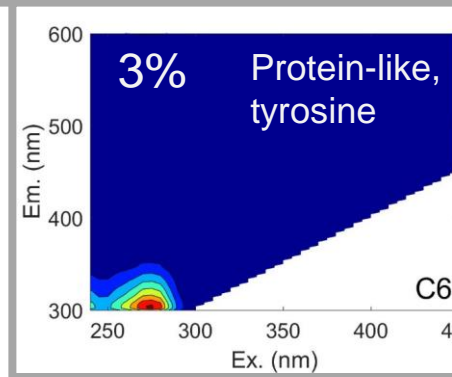
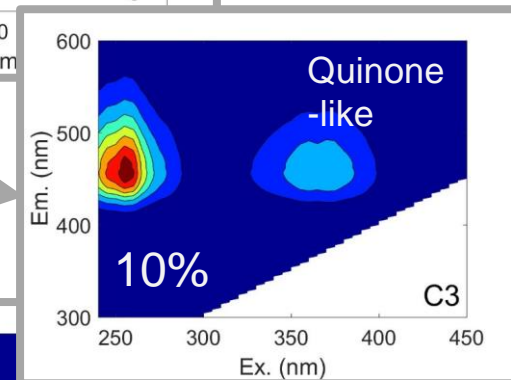
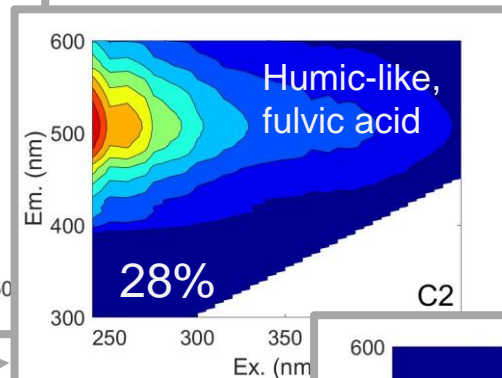
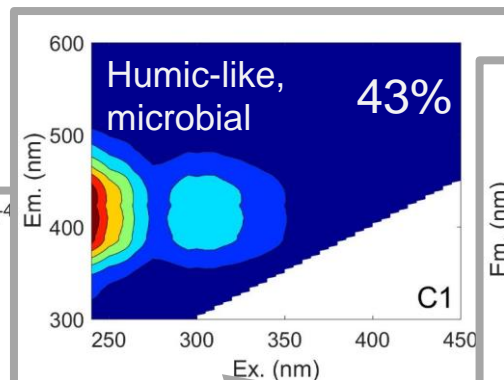
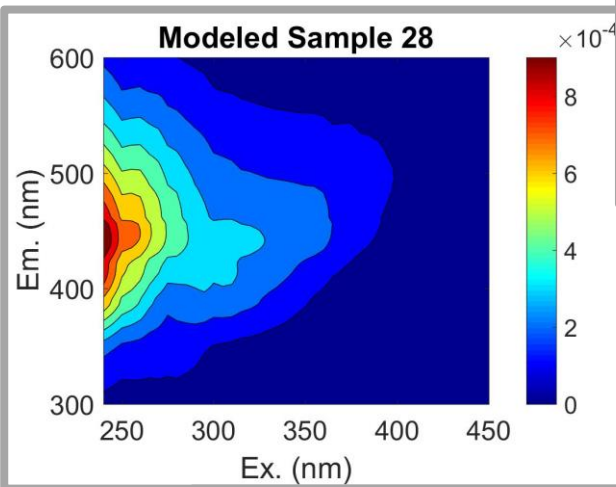
Forests



Wastewater treatment plants



Phytoplankton and bacteria



## Fluorescence Tracking of Dissolved and Particulate Organic Matter Quality in a River-Dominated Estuary

Christopher L. Osburn,<sup>\*,†</sup> Lauren T. Handsel,<sup>||</sup> Molly P. Mikan,<sup>‡</sup> Hans W. Paerl,<sup>‡</sup>  
and Michael T. Montgomery<sup>§</sup>

**Explore the bio-reactivity and fate of organic nitrogen in aquatic ecosystems.**



35/53



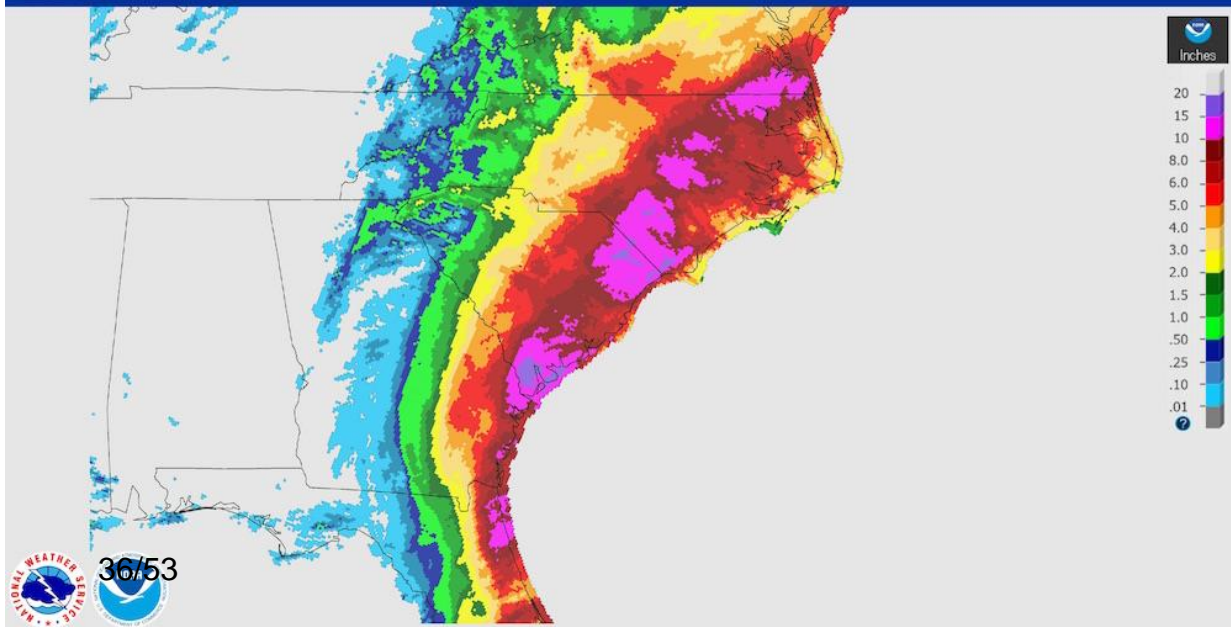




# October 11, 2016 7-Day Observed Precipitation

Created on: October 11, 2016 - 17:05 UTC

Valid on: October 11, 2016 12:00 UTC



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THE UNIVERSITY  
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*at* CHAPEL HILL

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

MUSIC

Musicians • Scholars • Citizens

Kenan Music Scholars

Department of Music

March 23, 2017, 8:00 am

# History of the Program

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# What It Offers

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- Full tuition
- Meal and housing costs
- Lesson fees
- \$6,000 research stipend
- Exclusive masterclasses with world-renowned artists
- Access to professional performers through Carolina Performing Arts



# How Scholars Are Chosen

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# Current Students

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- Class of 2017
  - Katherine Campbell, BM (harp), BS (business)
  - Ethan Chu, BM (piano), BS (computer science)
  - Madeline Edwards, BA (soprano)
  - Atticus Reynolds, BM (percussion)
- Class of 2018
  - Margaret Lynch, BM (piano)
  - Matthew Wolfe, BM (tuba)
- Class of 2020
  - Anne Bennett, BM (saxophone)
  - Thomas Marshall, BM (horn), BS (physics)
  - Renee McGee, BM (trumpet)
  - Peter Smith, BM (piano)
- Class of 2019
  - Devin Cornacchio, BM (cello), BS (mathematical decision sciences)
  - Susannah Stewart, BM (soprano)
  - Ethan Swofford, BM (composition)
  - Evan Thompson, BA (jazz piano), BA (psychology)



# Notable Alumni in Music

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John Parker

BM '14 (trumpet)

Associate Principal Trumpet, Houston Symphony  
(Former Principal Trumpet, Charlotte Symphony)



# Notable Alumni in Music

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Cynthia Burton

BM '11 (violin)

Violin Fellow

New World Symphony Orchestra



# Notable Alumni in Music

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Kayla Hill

BM '15 (soprano)

MM, University of Michigan

Emily Siar

BM '14 (soprano), BA '14 (women's studies)

MM, Eastman School of Music





# Notable Alumni Outside of Music

---

Ryan Dickey  
BM '13 (euphonium)  
Baylor College of Medicine  
MD



Ryan Petersburg  
BM '15 (trumpet)  
Yale University  
PhD, Physics



# Notable Alumni Outside of Music

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Lauren Schultes

BA '11 (soprano), BS '11 (business)

Bush Brothers & Company

Minnesota Opera





# Notable Alumni Outside of Music

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Danny Jones

BM '14 (piano), BS '14 (computer science)

MS '15 (computer science)

Google, Software Engineer

Founder of Google Chamber Music Ensemble



# Department of Music Impact

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- High-level performance skill raises the level of performance for student body
- Provides musical and intellectual leadership
- Improves the visibility of the Department as a performance program
- Success is key to recruitment of future students



# Program Information

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*Allemande* from Cello Suite No. 2 in D minor, BWV 1008

**J.S. Bach**

Devin Cornacchio, cello

**Scherzo and Largo**

**Henri Tomasi**

Renée McGee, trumpet

**Après un rêve  
Fauré**

**Gabriel**

Susannah Stewart, soprano  
Katherine Campbell, harp



# Après un rêve Text and Translation

---

Dans un sommeil que charmaient ton image  
Je rêvais le bonheur, ardent mirage,  
Tes yeux étaient plus doux, ta voix pure et sonore,  
Tu rayonnais comme un ciel éclairé par l'aurore;

Tu m'appelais et je quittais la terre  
Pour m'enfuir avec toi vers la lumière,  
Les cieux pour nous entr'ouvraient leurs nues,  
Splendeurs inconnues, lueurs divines entrevues,

Hélas! Hélas! triste réveil des songes  
Je t'appelle, ô nuit, rends moi tes mensonges,  
Reviens, reviens radieuse,  
Reviens ô nuit mystérieuse!

Drowsing spellbound with the vision of you  
I dreamt of happiness, burning mirage,  
Your eyes were gentler, your voice was pure and sonorous  
You shone like the dawn-lit sky

You called me and I left the earth  
To flee with you toward the light  
For us the heavens opened up their clouds  
To reveal unknown splendour, glimpses of divine light...

Alas, alas, sad awakening from these dreams  
I call out to you, oh night, give me back your lies  
Come back, come back, radiant one  
Come back mysterious night.





