

## **ECSA Newsletter, November 2011 (No. 11)**

### **CONTENTS**

#### **Messages from ECSA / ECSA events:**

- Christmas greetings from ECSA
- Peter D Jones
- ECSA50 in Venice (Italy), 3-7 June 2012
- ECSA Nutrient Workshop in Plymouth (UK), 26-28 June 2012
- ECSA51 in Klaipeda (Lithuania), 23-27 September 2012
- ECSA52 in Leeuwarden (The Netherlands), 21-23 November 2012

#### **Other events of interest:**

- Humber Estuary Conference, November 2011
- International Congress for Conservation Biology, December, 2011
- EGI Conference, January 2012
- Conference Dynamic Delta, April 2012
- MarCoastEcos2012, April 2012
- 2nd International Marine Phytoplankton Taxonomy Workshop, July 2012

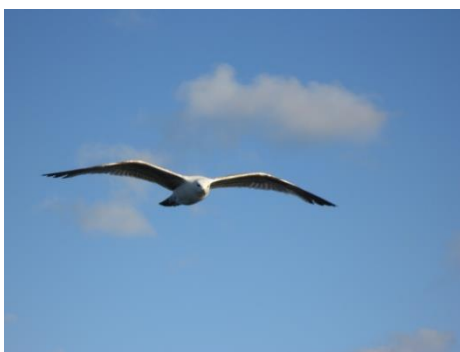
#### **Fellowships/job positions:**

- Postdoctoral and PhD position in zooplankton fluid dynamics @ Centre for Ocean Life (Denmark)
- Principal Investigator Positions @ Bigelow Laboratory for Ocean Sciences (USA)
- Tenure-Track Faculty Position in Phytoplankton Physiology/Ecology @ USF (USA)
- Research Specialist (postdoctoral-level position) in oceanography @ University of California (USA)
- Post Doc position on coastal benthic ecosystems @ Rennes/Brest (France) [in French]

## **MESSAGES FROM ECSA / ECSA EVENTS**

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### **Christmas greetings from ECSA**



*Christmas Greetings from ECSA!*

*With all good wishes for Christmas and the coming year.*

[Top](#)

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### **Peter D Jones**

We are sorry to report that Peter Jones, one of ECSA's longest standing members and a councillor for many years lost his long battle with cancer in October. A full appreciation of Peter's long career in estuarine science will appear in the next bulletin.

[Top](#)

---

### **ECSA50 in Venice (Italy), 3-7 June 2012**

50th ECSA Conference: Today's science for tomorrow's Management

3-7 June 2012, Venice, Italy

CALL FOR ABSTRACTS! Deadline: 13 January 2012

Recent decades have seen emergent issues that bear potentially massive risks for the long-term trajectory of coastal environments and the uses we make of them. These issues have raised awareness, and in some cases, motivated investment of much funding and research and management efforts. It seems timely, at a time of economic constraints, and a time when too many issues demand international attention, to take a hard look at the evidentiary basis, current data, and future predictions surrounding these issues. This conference will cover the fundamental natural and social sciences for estuaries, coasts and marine areas and emphasis the links to the integrated and sustainable management of these areas.

Following the success of the renowned ECSA conferences and workshops, the 50th ECSA Conference: Today's science for tomorrow's Management will bring together researchers, environmental managers, policy makers and graduate students to present research results, explore collaborations and to spark new ideas, with the aim of learning about marine, coastal and

transitional systems worldwide, catching up on leading-edge techniques and, lastly, appreciating the constraints of the science and the management.

The THEMES of the conference will be:

- **Ecosystem structure and functioning** – type habitats (coastal lagoons, estuaries, wetlands, sandy beaches, biodiversity, etc)
- **Systems analysis** – physics, chemistry and biology; organism-environment links, nutrient fluxes and eutrophication in coastal systems, trophic webs in coastal systems, ecohydrology; Challenging techniques – use, revision and development (e.g. stable isotopes and other techniques)
- **Anthropogenic change** – Response, trends and effects; solutions, indicators, tools for management; causes of loss of habitat (e.g. oxygen decline/anoxia), Challenging techniques for assessment and for the restoration of systems
- **Ecosystem services and societal benefits** – links to management: fisheries/food resources, physical resources used by society; links to biodiversity and functioning; links to marine governance, tools for management, Challenging techniques
- **Valuing ecosystems** - cultural and economic aspects, economic techniques, links to societal benefits resulting from ecosystem services
- **'Future-proofing the science'** – climate change scenarios, changing environments including repercussions of temperature changes, freshwater balance and sea level rise (including sinking areas), impact on coastal zones; acidification; Disaster management in coastal systems – techniques and approaches for dealing with climate change, Challenging techniques, uncertainty analysis and the (in)adequacy of our science.

Please, visit the conference website for further information:

<http://www.estuarinecoastalconference.com/>

[Top](#)

---

## ECSPA Nutrient Workshop in Plymouth (UK), 26-28 June 2012

The ECSPA workshop on macronutrients at the University of Plymouth will take place on 26-28th June 2012.

It will focus on practical techniques for the analysis of nitrogen and phosphorus, including the organic fractions, and will also involve contextual presentations from internationally-recognised researchers.

The Biogeochemistry Research Centre at the University of Plymouth has extensive experience in the analysis of N and P, and operates a suite of ISO accredited (9001:2001) instrumentation.

It is envisaged that the workshop will be suitable for researchers at all levels who wish to develop their practical skills and understanding of aquatic nutrient cycling and analysis.

If you are interested in attending this workshop then please e-mail Dr Mark Fitzsimons (<mailto:mfitzsimons@plymouth.ac.uk>) to register your interest.

[Top](#)

---

## **ECSA51 in Klaipeda (Lithuania), 23-27 September 2012**

ECSA 51<sup>st</sup> symposium will be co-organized by the Coastal Research & Planning Institute of the Klaipėda University, BALLOON (Baltic Lagoon research Network) and EUROMEDFED (Euro-Mediterranean federation of coastal lagoons and transitional water bodies)

Venue: Campus of the Klaipeda University, H. Manto 84, Klaipeda, Lithuania

The term "transitional waters" are defined as "bodies of surface water in the vicinity of river mouths which are partially saline in character as a result of their proximity to coastal waters but which are substantially influenced by freshwater flows". These areas are considered diverse, highly productive, ecologically important systems on a global scale and highly valuable for the services they provide to human societies since at least the Neolithic times. The aim of this symposium is to get to the bleeding point of interdisciplinary scientific research carried out and to get the contemporarily insight on the conservation, restoration and management problems in these systems. The involvement in the organization of conference of both Baltic (BALLOON) and European and Mediterranean (EUROMEDFED) lagoon research networks brings a special focus to the European lagoons. The conference is also proud to receive support from the South Baltic Programme "ARTWEI" project dealing with the transboundary aspects of lagoon and transitional waters management in the Baltic.

Selected conference presentations are expected to be published in "Estuarine Coastal and Shelf Science" and "Transitional Waters Bulletin" journals.

Contact: Prof. Dr. Arturas Razinkovas-Baziukas Vice director, Research & International Co-operation Coastal Research & Planning Institute Klaipeda University,  
H. Manto 84, Klaipeda LT-92294, Lithuania  
[www.corpi.ku.lt](http://www.corpi.ku.lt)  
Phone: +37046398844 Fax: +37046398845

[Top](#)

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## **ECSA52 in Leeuwarden (The Netherlands), 21-23 November 2012**

ECSA52 "An integrated approach to emerging challenges in a World Heritage Site"

Theme:

Looking from a multidisciplinary (EU Ecosystem Approach) perspective into the direction of ecology instead of the other way around.

It involves physics, chemistry, socio-economics, cultural and heritage aspects, biology, ecology, .....

Organiser:

Wadden Academy in co-operation with Common Wadden Sea Secretariat, Ministry of Economic affairs, Agriculture and Innovation and ECSA.

e-mail: [klaas.deen@wur.nl](mailto:klaas.deen@wur.nl); [Klaas.Deen@waddenacademie.knaw.nl](mailto:Klaas.Deen@waddenacademie.knaw.nl)

Further information will be available soon at the [ECSA website](#).

## OTHER EVENTS OF INTEREST

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### **Humber Estuary Conference, November 2011**

10am to 4pm, Thursday 24th November 2011 at the Hull Truck Theatre, Hull, UK

(Registration from 0930am)

#### OUTLINE AGENDA

Welcome and Address: The Lord Mayor of Kingston upon Hull and Admiral of the Humber

#### THE HUMBER MANAGEMENT SCHEME

The Management Scheme required by the Conservation of Habitats and Species Regulations to ensure the integrity of the Humber European Marine Site was first produced in 2005 by a partnership of 35 organisations with responsibilities for the estuary. It is now being comprehensively revised. The session includes:

- The Conservation Objectives of the Humber European Marine Site
- The Review of the Humber Management Scheme
- Understanding the Recreational Disturbance on Birds
- Dredging
- Marine Management Planning

#### PRESENTATION OF HUMBER INCA'S ANNUAL AWARD FOR ENVIRONMENTAL EXCELLENCE

#### TIDE ON TOUR - TIDAL RIVER DEVELOPMENT

The EU project is examining the integrated management of North Sea Estuaries which have major ports with associated cities and industries, along with fisheries, wildlife and flood risks. The estuaries being researched are the Elbe and Weser in Germany, the Scheldt in Belgium and the Humber. The session will include:

- David Rooke, Director of Flood Risk Management, Environment Agency
- Introduction to TIDE and an explanation of estuarine ecosystem functioning and services

- Estuarine recovery and restoration measures, management measures pressures/problems – experience from the different estuaries
- integrated estuarine management and the potential for a management toolbox

*Sponsored by: Humber INCA, Humber Management Scheme, TIDE*

If you are interested in attending the conference, please send the BOOKING FORM (including your Name, Position, Organisation, Address, Telephone, Email, Any special dietary requirements) to

Tony Edwards, [tony.edwards@humberinca.co.uk](mailto:tony.edwards@humberinca.co.uk)  
Tel: 01652 631525, Fax: 01652 631524  
Humber INCA, Maltkiln Road, Barton upon Humber  
North Lincolnshire, DN18 5JR, UK

[Top](#)

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## International Congress for Conservation Biology, December, 2011

International Congress for Conservation Biology  
Auckland, New Zealand  
5-9 December, 2011

### SCIENTIFIC PROGRAM NOW AVAILABLE

The 25th International Congress for Conservation Biology (ICCB) in Auckland, New Zealand is right around the corner!

We are pleased to announce that the Scientific Program is now available online! To view the program, the symposia schedule, short courses, workshops, plenary speakers and more, visit our Scientific Program page

<http://www.conbio.org/Activities/Meetings/2011/program/program.cfm>

Space is still available for some short courses and pre/post meeting workshops. These require pre-registration. Hurry, pre-registration for these events ends on Friday, 4 November <<http://www.conbio.org/Activities/Meetings/2011/register/fees.cfm>>!

### SOCIAL ACTIVITIES

While a top notch scientific program is the hallmark of every ICCB, networking and entertainment make each meeting unique and memorable. Starting with a special 25<sup>th</sup> anniversary opening reception, the 2011 ICCB promises to deliver lots of lifelong memories and inspiration. Click [here](#) to see the fantastic social events that are still available for you to enjoy with your fellow ICCB attendees in New Zealand. The Deadline for adding social activities to your registration online is 4 November.

We are pleased to announce that due to the popularity of the Rangitoto Island dinner cruise, additional seats have been made available - be sure to sign up today and join us for this fascinating cruise. Because of the late addition of the seating, the registration for this event only will be available via the [registration page](#) until November 18 or tickets have sold out, whichever comes first. Alternately, a fax request can be placed to +1-703-790-2672. Please note that this is the only

option that will still be open on the registration page after Friday. You must be registered for the ICCB in order to add the cruise.

#### SILENT AUCTION

A reminder that a "silent auction" will be held during the congress to raise funds for conservation in earthquake-damaged Christchurch. Donation of items such as books, field equipment, hats, etc., are being solicited and will be sold to the highest bidder. The money raised will be used to repair damaged predator-proof fences that protect critical areas of habitat near the city. To list your donation on the website contact [2011@conbio.org](mailto:2011@conbio.org).

#### MEETING THEME

An exciting and comprehensive program is on tap for the 25th ICCB. Under the theme Engaging Society in Conservation, attendees will enjoy dozens of cutting-edge symposia and workshops on the most important topics in conservation biology today. Visit the ICCB 2011 website <http://www.conbio.org/Activities/Meetings/2011/?CFID=25602246&CFTOKEN=74586461> for information about the meeting, including a full listing of workshops and short courses.

#### FURTHER INFORMATION

Many more details about the meeting can be found on the ICCB website <http://www.conbio.org/2011>. We look forward to seeing you in New Zealand!

[Top](#)

---

## EGI Conference, January 2012

Dear Colleagues,

We would be very grateful if you could forward this email to anyone you think would be interested in attending the forthcoming EGI Conference.

The EGI Evolution and Ecology Student Conference will be held at the Department of Zoology, University of Oxford from January 4th - 6th 2012.

The plenary speakers are: Virpi Lummaa, (Sheffield), Stuart West (Oxford), Gavin Thomas (Bristol) and Tim Birkhead (Sheffield).

Full details on how to register can be found on the EGI website at: <http://www.zoo.ox.ac.uk/egi/newsevents/conference.htm>

Further information can be obtained by emailing [egiconference@zoo.ox.ac.uk](mailto:egiconference@zoo.ox.ac.uk)

Best regards

The Conference Organisers  
Chris Cooney, Damien Farine, Irem Sepil and Claire Harvey

[Top](#)

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## Conference Dynamic Delta, April 2012

### Call for Abstracts Conference Dynamic Deltas

We hereby invite you to present your research or innovative program at our Conference, Dynamic Deltas, taking place April 17-20, 2012 in Vlissingen, the Netherlands.

This conference focuses on safety and sustainability in rural delta regions throughout the world. An essential component will be economic cases regarding food production under climate change. We encourage presentations that reflect baseline situations, that may lead to decisions on measures by government and business, or that may examine the influence of non-governmental organizations.

We suggest you visit the conference website, <http://www.DynamicDeltas.org>, which presents the names of keynote speakers. More names from all over the world will soon be announced on the website, so keep in touch.

We invite submission of scientific abstracts on research and abstracts on innovative policy programs on or before November 14, 2011. The conference organizers look forward to seeing you in Vlissingen.

Please [download](#) and print the flyer and hand it over to your colleagues. You can also print the front as a poster and attach it to your window and other visible places. Please forward this message to any person who might be interested in participating.

Tineke Huizinga – Heeringa,  
*chair Steering Committee Conference Dynamic Deltas, chair Delta Alliance*

Aad Smaal,  
*chair Scientific Committee Conference Dynamic Deltas*

[Top](#)

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## MarCoastEcos2012, April 2012

Dear colleagues,

In the website <http://marcoastecos2012.al> you will find information on the International Conference on Marine and Coastal Ecosystems (MarCoastEcos2012): *increasing knowledge for a sustainable conservation and management*, which will be held in Tirana, Albania, on 25 - 28 April 2012.

Hopefully you are interested in this conference and, please, spread the information and the conference website to the addresses that you think this conference may be of interest!

Please note:

- the deadline for abstract submission is January 10-th, 2012;
- sponsoring possibilities may be available for some categories of participants (check "Sponsoring" in the menu of the conference website);



- by sending a blank message with the subject "Interested in MarCoastEcos2012" to the e-mail addresses: [contact@marcoastecos2012.al](mailto:contact@marcoastecos2012.al), and [sajmir.beqiraj@fshn.edu.al](mailto:sajmir.beqiraj@fshn.edu.al) the interested participants will be inserted in the conference mailing list and they will be updated with relevant information and developments about the conference.

Thank you very much for your collaboration!

Sajmir Beqiraj

Dr. Sajmir Beqiraj, hydrobiologist

Lecturer of Hydrobiology, Invertebrate Zoology and Aquatic Ecology.  
Department of Biology,  
Faculty of Natural Sciences, University of Tirana  
Bulevardi Zog I, Tirana, Albania

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[Top](#)

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## 2nd International Marine Phytoplankton Taxonomy Workshop, July 2012

The Marine Biological Association (MBA) and The Sir Alister Hardy Foundation for Ocean Science (SAHFOS) are delighted to announce they are jointly running the 2<sup>nd</sup> International Marine Phytoplankton Taxonomy Workshop. The course will be held from 2<sup>nd</sup> – 13<sup>th</sup> July 2012 in the city of Plymouth, UK.

The workshop is aimed at all those working in the marine phytoplankton field and participants will be expected to have a basic knowledge of microalgae. This will be an interactive workshop which will cover classification & taxonomy of the major marine microalgal groups. In addition, there will be a substantial practical element which will encompass a range of Methodologies & Techniques including: Sampling, Settling & Slide Preparation, Cell Counting, Isolation, Microscopy & Culturing.

The proposed programme will consist of a series of seminars and practical sessions, with tuition from specially selected international experts including:

- **Prof. C .R Tomas** – Professor of biological sciences at the University of North Carolina, USA. Carmelo has extensive expertise in physiological ecology of marine microalgae. He edited the book "Identifying Marine Phytoplankton", which is an authoritative guide to the identification of marine phytoplankton.
- **Dr D Sarno** – Senior Researcher at the Stazione Zoologica Anton Dohrn, Naples, Italy. Her research interests are in marine phytoplankton taxonomy and ecology.
- **Dr K Steidinger** – Leading expert in Harmful Algal Blooms and dinoflagellate taxonomy and biology at the Florida Marine Research Center, USA.

- **Dr I Probert** – Senior Researcher at the Station Biologique de Roscoff, France. He is an international expert in haptophyte taxonomy.

**In order to keep a small and focused workshop, places are limited to 20.**

Further details to follow at [www.mba.ac.uk/phytoplankton-workshop](http://www.mba.ac.uk/phytoplankton-workshop)

[Top](#)

## FELLOWSHIPS / JOB POSITIONS

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### Postdoctoral and PhD position in zooplankton fluid dynamics @ Centre for Ocean Life (Denmark)

Centre for Ocean Life (<http://www.OceanLifeCentre.dk>) offers a 2-year post doctoral position as well as a 3-year PhD fellowship in Fluid dynamics of zooplankton feeding and swimming at DTU Physics and DTU Aqua (Department of Physics and The National Institute for Aquatic Resources, both at the Technical University of Denmark). The positions start January 1st, 2012, or soonest thereafter.

The project aims at assessing the tradeoffs associated with feeding and swimming in zooplankton, e.g., copepods which are millimetre sized marine zooplankton. The idea is to combine experimental and modelling approaches to directly assess efficiency, energy expenditure and predation risk associated with the principal feeding and motility modes of zooplankton. We may use particle image velocimetry (PIV) to describe flow patterns generated by freely swimming and feeding zooplankters. Further we may use dynamically scaled models of zooplankters to experimentally examine propulsion forces and spatial and temporal decay of flow structures under well controlled settings that are difficult to achieve with live zooplankters. Fluid dynamical models may be used to estimate energetic costs and generalize experimental observations to other types of plankton than those observed. The result will be quantification of the tradeoffs associated with the principal modes of swimming and feeding in zooplankton. Further information about the project and the research environment can be found at the Centre's homepage.

#### Qualifications

We envisage a biologist or a physicist with interest in aquatic ecology and preferably with experience in experimentation with live plankton and/or in performing fluid dynamics experiments. Because there are two positions we hope to employ candidates with complementary skills.

Postdoc Position - Candidates should have a PhD degree or equivalent

PhD student position - Candidates should have a master's degree in engineering or a similar degree with an academic level equivalent to the master's degree in engineering.

#### Approval and Enrolment

The scholarships for the PhD degree are subject to academic approval, and the candidates will be enrolled in one of the general degree programmes of DTU. For information about the general requirements for enrolment and the general planning of the scholarship studies, please see the DTU PhD Guide.

### Salary and terms of employment

The appointment terms of the Postdoc will be based on the collective agreement with the Confederation of Professional Associations. The allowance will be agreed with the relevant union.

The salary and appointment terms for the PhD position are consistent with the current rules for PhD degree students. The period of employment for PhD student is 3 years.

### Further information

Further information may be obtained from Professor Thomas Kiørboe (DTU Aqua, mail: [tk@aquu.dtu.dk](mailto:tk@aquu.dtu.dk)), Professor Tomas Bohr (DTU Physics, mail: [tbohr@fysik.dtu.dk](mailto:tbohr@fysik.dtu.dk)), and Associate Professor Anders Andersen (DTU Physics, mail: [aand@fysik.dtu.dk](mailto:aand@fysik.dtu.dk)).

Do NOT send applications to this e-mail address, but use the electronic submission system - see below!

You can read more about DTU Aqua at <http://www.aqua.dtu.dk> and about DTU Physics at [www.fys.dtu.dk](http://www.fys.dtu.dk) and its fluid dynamics group at [www.dtu.dk/centre/FLUID/English.aspx](http://www.dtu.dk/centre/FLUID/English.aspx)

### Application procedure

We must have your online application by 1 December 2011, click [here](#) and open the link "apply for this job online" at the bottom of the new page and fill in the application form and attach your application, CV, a publication list, two letters of recommendation, and possibly other material that you would like to be included in the evaluation.

Further for the PhD position you must attach the following documents;

- Grade transcripts and BSc/MSc diploma
- Excel sheet with translation of grades to the Danish grading system (see guidelines and excel spreadsheet [here](#))

Candidates may apply prior to obtaining their master's degree, but cannot begin before having received it.

Applications and enclosures received after the deadline will not be considered.

All interested candidates irrespective of age, gender, race, disability, religion or ethnic background are encouraged to apply.

*Centre for Ocean Life is a Villum Kann Rasmussen Centre of excellence for the study of life in a changing ocean. The Centre is a collaborative effort between the Technical University of Denmark, University of Copenhagen, and Roskilde University. The goal of the Centre is to develop a fundamental understanding and predictive capability of marine ecosystems through the use of trait-*

*based approaches, involving observations and experimentation as well as modelling. The Centre brings together biologists, physicist, chemists, and mathematicians, funds PhD and postdoctoral fellows, offers PhD summer schools international workshops, and operates a Researcher Visitors Centre.*

[Top](#)

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## **Principal Investigator Positions @ Bigelow Laboratory for Ocean Sciences (USA)**

Bigelow Laboratory invites applications for three Principal Investigator positions associated with the three centers of research in the Laboratory's new 60,000 ft<sup>2</sup> Ocean Science and Education Campus. The targeted research areas for these positions are:

- 1) Blue Biotechnology (e.g. marine natural products chemistry/molecular biology, algal biomass, biofuels, marine phyecology/mycology);
- 2) Ocean Biogeochemistry and Climate Change (e.g. modeling, ocean observing, nitrogen or carbon biogeochemistry, paleobiology, biology of the cryosphere, stable isotope biogeochemistry), and
- 3) Ocean Health (e.g. systems microbiology, benthic ecology, coastal impacts, photophysiology, chemical ecology, environmental chemistry).

Cross-cutting themes for these positions include human impacts, focus on the foundations of the marine food web, and climate change.

Minimum requirements are a Ph.D. with two years of postdoctoral experience and the capability to acquire external funding and lead scientific programs.

Bigelow Laboratory is a primarily soft money institution with the expectation that the PI will generate external funding and be involved in the Laboratory's institutionally-funded teaching and technology transfer activities. Salary and start-up packages are negotiable. The Laboratory provides generous medical/retirement benefits.

For more information and application details, see our Web Site:  
[http://www.bigelow.org/news/position\\_openings/3-srs-positions/](http://www.bigelow.org/news/position_openings/3-srs-positions/)

referring to Job # SRS-2012-1.

For full consideration, the application should be received by 28 November 2011. The search will continue until the positions are filled but the goal is to have these positions filled by summer 2012. Bigelow Laboratory is an Equal Opportunity Employer.

[Top](#)

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## Tenure-Track Faculty Position in Phytoplankton Physiology/Ecology @ USF (USA)

The College of Marine Science at the University of South Florida invites applications for a tenure-track, nine-month academic faculty position. Appointment can be at the rank of Assistant, Associate or Full Professor. Salary is negotiable and competitive.

We seek a Phytoplankton Physiologist/Ecologist who will employ modern tools of multi-disciplinary science to understand phytoplankton-mediated processes at the base of the marine food web, ranging from measurements of photosynthetic and nutrient uptake rates to predator-prey interactions, both within laboratory cultures and at sea.

Minimum Requirements: Must have a PhD in a relevant scientific discipline at the time of hire.

For the Assistant Professor rank, candidates must have a strong potential for scholarly publication and obtaining extramural research funding, and be committed to quality instruction and mentoring of graduate students.

For the Associate Professor rank, candidates must also have an outstanding record in research, including a substantive publication record, evidence of success in attracting extramural research funding and a strong record in graduate education as evidenced by successful direction of master's and/or doctoral candidates.

For the Professor rank, candidates must also have a record of high productivity in research throughout their careers, substantive contributions in professional service and significant recognition by peers at the national and international levels.

Preferred qualifications: This position requires a broadly based investigator with knowledge of phytoplankton species and ecology involving a primary research interest in phytoplankton physiology. Applicants should be capable of interacting with ongoing multi-disciplinary oceanographic programs. The successful candidate would be expected to contribute to core courses in oceanography and teach specialty courses in phytoplankton biology.

Application procedures: Apply online at <http://www.usf.edu/Employment/>. Please submit a cover letter stating qualifications. Please append research and teaching statements, curriculum vitae, and contact information for three referees. Position is open until filled, however, review of applications will begin immediately with preference given to those received by November 15, 2011. Appointment is expected to commence August 7, 2012.

Contact: For information regarding the available position, please contact Dr. John Walsh, [jwalsh@marine.usf.edu](mailto:jwalsh@marine.usf.edu) or Ms. Desiree Woroner, [dworoner@usf.edu](mailto:dworoner@usf.edu) 727-553-1632.

The University of South Florida's College of Marine Science is a multidisciplinary college with 29 ranked core faculty, a Center for Ocean Technology with advanced engineering and sensor development specialization, a large research staff and over 100 graduate students in concentration areas including biological, chemical, geological, physical oceanography and marine resource assessment. The candidate will have the opportunity to interact with the greater Tampa Bay area marine science community and relevant national and international organizations. Additional information is available <http://www.marine.usf.edu/> and <http://www.usf.edu>.

The University of South Florida is a high-impact, global research university dedicated to student success. USF is classified by the Carnegie Foundation for the Advancement of Teaching in the top tier of research universities, a distinction attained by only 2.2 percent of all universities. It is ranked 44th in total research expenditures and 34th in federal research expenditures for public universities by the National Science Foundation. The USF System has an annual budget of \$1.5 billion, an annual economic impact of \$3.7 billion, and serves 47,000 students in Tampa, St. Petersburg, Sarasota-Manatee and Lakeland.

The University of South Florida is an Equal Opportunity/Affirmative Action/Equal Access Institution. To request disability accommodations in the application and interview process call (813) 974-2970. According to Florida law, applications, and meetings regarding them, are open to the public.

[Top](#)

---

## **Research Specialist (postdoctoral-level position) in oceanography @ University of California (USA)**

A position as an Assistant Specialist III (recent PhD) is available in the Earth Research Institute within the Maritorea/Siegel Research group at the University of California, Santa Barbara. The successful candidate will work on the NASA Measures ocean color project at UCSB (<http://wiki.icess.ucsb.edu/measures>). We are looking for someone to analyze and validate global, advanced, satellite ocean color products (e.g. IOPs, PSD, PFT, merged products) and/or to develop and implement new bio-optical models to understand ocean color variability in the UV spectral region including phytoplankton fluorescence.

The candidate must have a PhD in oceanography or related discipline, a working knowledge of ocean optics, experience in the analysis satellite ocean color data sets, a strong publication record, and the desire to work on highly interdisciplinary problems. The Specialist series is a research position that carries with it the expectation that the candidate will bring to a project special skills, experience, and knowledge. The candidate will be responsible for carrying out his/her own research and coordinating critical team activities. He/she must be able to work independently in the field, including in potentially remote study areas.

The position is full time and offers a salary of \$45,732 per year and full benefits. The initial appointment is for one year beginning November 15, 2011, continuation beyond one year will be based on performance and availability of funds.

Applications will be reviewed starting on December 1, 2011. The position will remain open until filled. Please send a cover letter describing your research interests and experience, curriculum vitae, names of three referees including names, email addresses, and telephone numbers, and representative publications to: [recruit@eri.ucsb.edu](mailto:recruit@eri.ucsb.edu), please include code Ocean Color in the subject line of the email.

The Department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service. The University of California is an Equal Opportunity Affirmative Action employer.

[Top](#)

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## Post Doc position on coastal benthic ecosystems @ Rennes/Brest (France)

Offre de Post-Doc - 18 mois à compter de janvier 2012

Unités d'accueil :

UMR Inra / Agrocampus Ouest « ESE », Rennes, H Le Bris

UMR CNRS / UBO / IRD/ Ifremer « Lemar », Brest, J. Grall

Collaborations :

Unité EMH, Ifremer Nantes, A. Brind'Amour

Unité Dyneco, Ifremer Brest, S. Dubois

Laboratoire Environnement Ressources Languedoc-Roussillon, Sète, F. Pernet

Les travaux du post-doc s'inscriront dans le programme Retrocan (PNEC EC2CO) dont l'objectif général est de cerner l'intensité et l'emprise spatiale des apports terrigènes d'une part et des processus biologiques côtiers d'autre part dans le fonctionnement trophique des écosystèmes benthiques côtiers sur des gradients terre-marges.

Cette recherche sera basée sur l'analyse couplée des isotopes stables du carbone ( $\delta^{13}C$ ) et de l'azote ( $\delta^{15}N$ ) qui sont aujourd'hui largement utilisés tant pour le traçage des intrants et des transferts de matière organique dans les chaînes alimentaires benthiques que pour les gradients côte / large. Elle sera complétée par des acides gras en tant que traceurs de la matière organique. La recherche portera sur la matière organique sédimentée, la matière organique particulaire (surface et fond) et sur les tissus de consommateurs primaires et secondaires benthiques et démersaux (invertébrés et poissons) échantillonnées de la côte jusqu'à des profondeurs supérieures à 150 mètres. Trois gradients côte / marge : Rade de Brest / Mer Celtique, Baie de Concarneau / Nord Gascogne et Baie de Vilaine / Nord Gascogne seront étudiés.

La première étape du travail sera de synthétiser les données des actions séparées déjà en cours du programme Retrocan sur les 3 secteurs pour en réaliser une analyse comparative des écosystèmes rade ou baie (échelle 1). La deuxième étape sera focalisée sur la comparaison des grands gradients rade ou baie / marges continentales, pour lesquelles des campagnes d'échantillonnage ont été réalisées ou sont programmées (échelle 2). Enfin, en troisième étape, de par la nature originale des données obtenues, il sera possible d'envisager dans le cadre d'un partenariat international (Europe, Canada, Australie, Nouvelle Zélande) une méta analyse des patrons de gradients décrits dans des écosystèmes à l'échelle mondiale (échelle 3).

Compétences : Ecologie benthique côtière, écologie trophique, analyse de données (bases de données, statistiques sous « R », modèles de mélange...), rédaction d'articles scientifiques.

Aptitudes : laboratoire (préparation d'échantillons pour dosages, analyses contenus digestifs), missions en mer (échantillonnages eau, sédiments, invertébrés et poissons)

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[Top](#)

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