

international congress
on the
9th **BIOLOGY** of
FISH

American Fisheries Society
physiology section

adaptations
behavior
growth
stress
welfare

diseases
ecotoxicology
immune responses
comparative genomics
aquaculture & fisheries

UPDATE
SYMPOSIA
&
keynote TALKS

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next

BARCELONA
UNIVERSITAT AUTONOMA DE BARCELONA

5th to 9th
july
2010

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Dear colleagues: **The American Fisheries Society**, Physiology Section, and the **Universitat Autònoma de Barcelona** (Spain) kindly invite you to the **9th Fish Biology Congress**. Exciting scientific talks and communications and a pleasant venue close to a beautiful city are expecting your presence. Please, be in touch through our web.

In Barcelona from 5th to 9th July 2010

See the planned symposia and the key notes next.
Students are welcome. Special fares will be allowed.
Registration and accommodation processes will be open at the beginning of 2010.

Both Hotels and Residence Hall will be available.
Check connections with Barcelona, many direct and cheap flights

<http://sidciencias.uab.es/9FishBiologyCongress>

Planned symposia

Ion and acid-base regulation in fish

(Greg Goss, Colin Brauner, Steve McCormick)

Climate change and the increased prevalence of aquatic hypoxic zones: Bad news for fishes?

(Jay Nelson)

Fish living on the edge: Mechanisms to cope with physiological and environmental extremes.

(Suzie Currie)

Fish in a toxic world: Biomarkers and impacts of exposure.

(Mark Hartl, Chris Kennedy, Alan Kolok)

Sexual dimorphisms: Knowns and unknowns.

(Carl Schreck, Ken Rodnick)

Stress axis regulation: From molecules to fish.

(Matt Vijayan, Neel Aluru, Lluís Tort)

Keeping pace in a changing environment: limits of regulatory control

(Tony Farrell, Holly Shiels, Todd Gillis)

Fish Habitat – understanding and improving connectivity and suitability

(Chris Katopodis, Chris Myrick)

Zebrafish – a model to study fish physiology and endocrinology

(Nick Bernier, Steve Perry)

Muscle development and growth

(Ian Johnston, Luisa Valente)

Swimming physiology of fish: effects on development, growth, immune system and reproduction

(Josep Planas, Arjan Palstra)

Fish immunological responses to pathogens: From basics to vaccines

(Oriol Sunyer)

Winning the uphill battle – strategies for salmonid spawning migrations

(Mark Shrimpton, Andrea Morash)

Tropical fish: Diversity and adaptation

(Dal Val, Vera Val)

Physiological mechanisms underlying social interactions in fish

(Katie Gilmour, Shigal Balshine, Kath Sloman)

Fish as models for studying behavioural ecology

(Mike Webster, Ashley Ward, Jo Frommen)

The physiology of fish in aquaculture

(Juan Miguel Mancera and Marco Saroglia)

Biology, fisheries and physiology of the Burbot

(Vaughn L. Paragamian)

Keynote Talks

Holly Shiels (Manchester)

"Temperature tolerance of the tuna heart"

Gert Flik (Nijmegen)

"Stress and feeding in fish"

Felicity Huntingford (Glasgow)

"Why do some fish fight more than others and why does it matter?"

Charles R. Tyler (Exeter) –

"Endocrine disruption in fish in UK rivers"

Simon MacKenzie (Barcelona)

From behavior to gene discovery – exploring the potential of transcriptomics in fish biology"

Steve Perry (Ottawa)

Award of Excellence Lecture.