



**LUNDS**  
UNIVERSITET

# THE STINT SYMPOSIUM ON VISION IN DIM LIGHT

BÄCKASKOG CASTLE, SWEDEN  
AUGUST 7-9, 2013

## Symposium Aims:

This timely symposium brings together leading experts in nocturnal and deep-sea vision to discuss and identify key research directions in the field. The symposium will provide a rare opportunity for researchers who work on this topic in vertebrates and invertebrates to meet and discuss common themes, and to inspire new collaborative efforts. The symposium is generously sponsored by the Swedish Foundation for International Cooperation in Research and Higher Education (STINT).

## Participation:

Although invited speakers comprise the main program, the symposium is open to everyone and poster contributions are welcome (see *Attendance details* below). Posters will be presented during the final afternoon of the main ICIV meeting (August 7), in conjunction with the ICIV posters. A prize for best poster will be awarded at the Symposium dinner.

## Program:

### **DAY 1 (Wednesday, August 7): Registration and Poster Session** (combined with ICIV attendees)

09.00-12.00: *Arrival and registration*

12.00-14.00: *Lunch*

14.00-14.30: Welcome (David O'Carroll and Eric Warrant)

14.30-16.00: Poster Session with afternoon tea

19.00- : *Combined BBQ dinner (with ICIV attendees)*

### **DAY 2 (Thursday, August 8): Retinal limitations and behavioural realities**

12.00-13.00: *Lunch*

13.00-14.00: Plenary Lecture: Eric Warrant: *"Insect vision and visual performance in dim light: what we know and what we'd like to know"*

14.00-14.30: Tom Cronin *"Coping with copepods: Do right whales forage visually in dark water?"*

14.30-15.00: Sönke Johnsen *"Low light vision underwater: the optimization of eyes that look through absorbing and scattering media."*

15.00-15.30: *Afternoon tea*

15.30-16.00: Ajay Narendra *"Moving in the dark: behavioural and visual adaptations in nocturnal Australian ants."*

16.00-16.30: Marie Dacke *"Nocturnal orientation in dung beetles"*

16.30-17.00: Almut Kelber *"Colour discrimination thresholds of birds and other animals"*

17.00-17.30: Gillian Moritz *"Vision in dim light: Illuminating the ecological and evolutionary context of color vision in nocturnal primates"*

17.30-18.00: *Refreshments (in the State Rooms)*

18.00-19.00: Round table discussion in the State Rooms

19.30- : *Dinner (in the State Rooms)*

## DAY 3 (Friday, August 9): Physiological processing of nocturnal visual information

09.00-10.00: Plenary Lecture: Alapakkum Sampath "*The relationship between dark noise in rod photoreceptors and visual threshold.*"

10.00-10.30: *Morning tea*

10.30-11.00: Matti Weckström "*Adaptations to night vision in cockroach vision*"

11.00-11.30: Greg Field "*Information processing in the primate retina: circuitry and coding*"

11.30-12.00: Kristian Donner "*Of frogs and men: different constraints on night vision*"

12.00-12.30: Petri Ala Laurila "*Nonlinear integration of single-photon responses in the neural circuits of the vertebrate retina set an absolute limit to vision*"

12.30-13.00: Conclusions and journal special issue discussion

13.00-14.00: *Lunch and departure*

## Attendance details

1. *Accommodation at Bäckaskog*: For invited symposium speakers, the symposium will cover accommodation costs for the evenings of August 7 and 8. For all other participants, accommodation costs at Bäckaskog will be their own responsibility.
2. *Registration fee*: A modest registration fee will be charged for all non-invited participants.
3. *Attendance*: Those invited to speak at the symposium cannot take a speaker slot at ICIV, although presenting a poster at ICIV would be fine.
4. *Posters*: All participants (including speakers) are welcome to present a poster, whether or not they are also presenting at ICIV. Abstracts (submitted through Frontiers) will be vetted to ensure that the work is linked to the main themes of the symposium (i.e. vision in dim light) before acceptance and publication online.
5. *Poster prize*: There will be a poster prize for the best poster presented in conjunction with the symposium. Due to time limitations, posters for the STINT symposium will be judged during the poster session concurrently with ICIV posters during the afternoon session and the prize awarded during the final ICIV BBQ dinner on Wednesday August 7.

## Abstract submission

All abstracts will be published via Frontiers, and thus accessible through search engines. Submission is via the *International Conference on Invertebrate Vision* link on the Frontiers Events abstract submission site:

<http://www.frontiersin.org/submissioninfo>

If you submitted an abstract to ICIV, you should already have an account with Frontiers and be familiar with the process, otherwise you will have to set up an account first.

After entering your author information, and pasting your abstract text into the box, please select "Poster presentation preferred" from the *Presentation Type* menu, and then "STINT symposium on dim light" from the *Topic* menu. Although the Frontiers lets you submit up to 10000 characters in your abstract, please limit abstracts for this conference to 2000 characters, as we hope to extract them to a printed booklet.