

Call for Nominations to the **Reinhart Heinrich Doctoral Thesis Award 2011**

ESMTB announces the annual Reinhart Heinrich Doctoral Thesis Award to be presented to the student submitting the best doctoral thesis within the current year 2011 in any area of Mathematical and Theoretical Biology.

Professor Reinhart Heinrich (1946 – 2006) started his research career in theoretical physics and then moved into biochemistry, becoming a full professor and head of theoretical biophysics at the Humboldt University, Berlin in 1990. He is considered a father of the field that is now named Systems Biology, since he investigated various topics such as modelling metabolic networks and metabolic control theory, modelling of signal transduction networks, nonlinear dynamics as applied to biological systems, protein translocation, lipid translocation, vesicular transport, and DNA repair. Reinhart Heinrich was always searching for the principles that underlie observations, looking for different perspectives and connecting theoretical abstraction with biological evidence. In this way, he inspired numerous students, gave them insight and direction for future research in modern mathematical and theoretical biology, and organized a large number of memorable conferences.

Gratefully acknowledging his stimulating support of our interdisciplinary field and, in particular, his way of guiding students and young scientists, the Board of ESMTB decided to offer a Doctoral Thesis Award annually to commemorate Reinhart Heinrich and his legacy in mathematical and theoretical biology.

Prize Awarding Committee includes:

Carlos Braumann

Andreas Deutsch

Philip Maini

David Rand

Stefan Schuster (former assistant to Reinhart Heinrich)

Award

A summary of the thesis receiving the award will be published as the lead article in the 2012 issue of the European Communications in Mathematical and Theoretical Biology.

The *award* includes:

- *an invitation to present a lecture at the forthcoming triennial ESMTB Conference (Gothenburg 2014) or, alternatively, a limited travel grant by ESMTB for a scientific visit of the recipient's own choice,*
- *1 year's free membership of ESMTB,*
- *A voucher for Springer books.*

Application

Potential applicants may be nominated by any ESMTB member. To nominate a person for the Reinhart Heinrich Doctoral Thesis Award, the following information should be submitted to Prof. Dr. Andreas Deutsch (andreas.deutsch@tu-dresden.de):

1. Name, address, phone number, affiliation, and email address of the **nominator**.
2. Name, address, phone number, affiliation, and email address of the **nominee**.
3. A detailed **statement** describing why the nominee should be considered for the award.
4. An **extended summary** of the thesis (ca. 2-5 pages plus possibly pictures).
5. A **CV** of the nominee in some form.

Closing date for nominations is 31st December 2011, by which time the thesis should have received final acceptance by the institution granting the doctoral degree.

Shortlisted applicants will be asked to send their full thesis.