

# IPCAT 2015

10<sup>th</sup> International Conference on Information Processing in Cells and Tissues  
San Diego, USA, 14<sup>th</sup>-16<sup>th</sup> September 2015



Celebrating the 20th anniversary of the IPCAT conference series, IPCAT 2015 aims to bring together researchers from the biological, physical, computational and mathematical sciences who have a common interest in the nature of biological information processing. We welcome both those who are interested in understanding biological systems and those who are interested in applying biological principles within artificial systems. The 2015 conference will take place in the biomedical hub city of San Diego, California.

Examples of topics addressed at previous IPCAT conferences include:

- Synthetic and executable biology
- Natural computing and artificial life
- Neural modelling and computing
- Evolvable and adaptive hardware
- Evolutionary and biochemical robotics
- Artificial tissues and organs
- Artificial biosensors and vision
- Modeling of biochemical pathways
- Genetic and ecological simulation
- Nanotechnology in biology
- Chemical and bacterial computing
- Systems biology and bioinformatics
- Biomedical engineering
- Mathematical biology

The conference proceedings will be published in Springer's LNCS series. Accepted submissions will also be considered for inclusion in a special issue of the journal *BioSystems*.

Please see our website for more details:

<http://www.macs.hw.ac.uk/ipcat2015>

## Invited speakers

Lee Altenberg  
*Konrad Lorenz Institute*

Kwang-Hyun Cho  
*KAIST*

Terry Gaasterland  
*UC San Diego*

Mike Holcombe  
*University of Sheffield*

Marco Salemi  
*University of Florida*

## Organisers

Gary Fogel  
*Natural Selection Inc.*

Michael Lones  
*Heriot-Watt University*

Stephen Smith  
*University of York*

Andy Tyrrell  
*University of York*

## Dates

Submission:  
23rd March 2015

Acceptance:  
18th May 2015

Camera-ready:  
1st June 2015

