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