# IWBDA 2013
## LONDON

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**The Fifth International Workshop on Bio-Design Automation - July 12-13, 2013**

The IWBDA, co-located with **SB6.0** at Imperial College London, will bring together researchers from the synthetic biology, systems biology, and design automation communities. The focus is on concepts, methodologies and software tools for the computational analysis of biological systems and the synthesis of biological systems.

Still in its early stages, the field of synthetic biology has been driven by experimental expertise; much of its success can be attributed to the skill of the researchers in specific domains of biology. There has been a concerted effort to assemble repositories of standardized components. However, creating and integrating synthetic components remains an ad hoc process. The field has now reached a stage where it calls for computer-aided design tools. The electronic design automation (EDA) community has unique expertise to contribute to this endeavor. This workshop offers a forum for cross-disciplinary discussion, with the aim of seeding collaboration between the research communities.

## Topics of interest

- Engineering methods inspired by biology
- Domain specific languages for synthetic biology
- Data exchange standards and models for synthetic biology
- Design methodologies for synthetic biology
- Standardization of biological components
- Computer-aided modeling and abstraction techniques
- Automated assembly techniques

## Keynote Speakers

- Jeff Hasty (UCSD)
- Howard Salis (Penn State)
- Richard Kitney (Imperial College London)
- Alfonso Jaramillo (Institute of Systems and Synthetic Biology, France)
- Domitilla Del Vecchio (MIT)

## Key Dates

**Abstract submission deadline**:
**May 3rd, 2013**
**Abstract acceptance notification**:
May 31, 2013
**Workshop**: July 12-13, 2013

## Abstract Submission

For oral and poster presentations. Instructions can be found on the website
www.iwbdaconf.org
The Best Poster Award will be presented at the workshop.

## Journal Special Issue

Attendees are invited to submit original work to the IWBDA ACS Synthetic Biology Special Issue. Details are posted on the website.

## IWBDA Contact

iwbda-exec@googlegroups.com