

## CALL FOR PAPERS

GI/GMDS FB ILW Workshop

## Data Integration in Life Sciences

co-located with the international multi-conference HEC 2016

(Health – Exploring Complexity)

28 August - 2 September 2016

Munich | Germany

Conference Link: [www.hec2016.eu](http://www.hec2016.eu)

Workshop Link: XXXX

More than ten years after the first Workshop on Data Integration in Life Sciences (DILS 2004) and on Integrative Bioinformatics (IB 2004), data integration remains one of the core challenges in all disciplines of Life Science. Meanwhile, the 6<sup>th</sup> IB-PAS Workshop (“Integrative Biological Pathway Analysis and Simulation”) was held 2015 in Bielefeld and DILS has become an annual international conference. In the age of “Big Data” the number, size and complexity of related scientific data sources grows. New tools and techniques have emerged but subtle domain specific integration challenges are hard to address with general purpose integration recipes. While the focus of the previous workshops was mostly on bioinformatics we now aim to address data integration challenges and potential solutions in all areas of Life Sciences including bioinformatics, medical informatics, and environmental informatics. The aim of this workshop is to provide a forum for original high-quality interdisciplinary research contributions. The workshop is intended to bring together data integration experts with experts from different Life Science disciplines. Topics of interest include, but are not limited to:

- Large-scale data integration in all areas of Life Sciences
- Big Data integration challenges in Life Sciences
- Domain specific data integration problems and challenges
- Geospatial data integration in environmental informatics
- Reference ontologies and standards for Life Sciences
- Lessons from data integration projects in Life Sciences
- Biomedical data integration including data integration for medical research
- Data integration in healthcare information systems
- Interdisciplinary approaches to data integration
- Data Spaces for Life Sciences
- Continuous data integration approaches in Life Science
- Novel tools for data integration
- Progress in the past 10 years

## SUBMISSIONS

Authors are invited to submit a paper up to 8 pages (in English). A printed page without figures and

tables consists of about 5,000 characters. Papers must be original and not submitted to or accepted by any other conference or journal. Each paper will be peer reviewed by at least two experts in the topical area. Accepted papers will be published in a special issue of "it- Information Technology". Therefore, authors are asked to submit their manuscript online at <http://www.editorialmanager.com/itit/>. The stylefile for preparing the manuscript (Word or Latex) is listed here. After registration you will be guided step by step through the submission process. Publication language is English, therefore all papers should be written in English.

#### AWARD

Students have the chance to apply for a 1000 € best paper award (**GI FB ILW Förderpreis**). Applicants should have completed their Master or PhD thesis in the area of data integration in Life Sciences within the past 18 months. The submitted paper should contain a summary of the respective research results. Applicants should submit a regular paper to the workshop and in addition send a short CV and a letter of recommendation from the supervisor directly to Richard Lenz ([richard.lenz@fau.de](mailto:richard.lenz@fau.de)) under the topic "FB ILW AWARD".

#### IMPORTANT DATES

Regular paper submission: April 3rd, 2016

Notification of acceptance: May, 2016

Workshop: during HEC (28.8-2.9)

#### ORGANIZING COMMITTEE

(Any general questions regarding the workshop should be directed to workshop co-chairs.)

##### Workshop Co-Chairs

- Richard Lenz
- Hans Ulrich Prokosch
- Falk Schreiber

##### Program Committee (to be confirmed)

- Tim Beissbarth
- Stefan Conrad
- Anika Groß
- Heinrich Herre
- Ralf Hofestädt
- Ina Koch
- Ulf Leser
- Ulli Sax
- Uwe Scholz
- Martin Sedlmayer
- Volker Wohlgemuth