

ORAL PRESENTATION

Open Access

25 years of CIC – achievements and future goals

Johann Gasteiger^{1,2}

From 7th German Conference on Chemoinformatics: 25 CIC-Workshop
Goslar, Germany. 6-8 November 2011

25 years ago several persons within the German Chemical Society realized that computer methods will increasingly play a major role in the processing of chemical information. This led to the foundation of the Division “Chemie-Information-Computer (CIC)” and the establishment of a Workshop “Software-Entwicklung in der Chemie”, Parallel to this meeting the “Molecular Modeling Workshop” was initiated covering more the fields of molecular modeling and drug design. Over the years the CIC Workshop embraced the English language and metamorphosed into a European endeavor.

From the very beginning scientists of all disciplines of chemistry participated in this Workshop. Initially, a major emphasis was put on the building of databases paralleling the work on the Beilstein, the Gmelin, the SpecInfo and the ChemInform databases. However, already in the early phases of this Workshop research was presented on converting chemical information into knowledge and using this knowledge in systems for automatic structure elucidation or the design of organic syntheses.

The Workshop certainly was instrumental in introducing Chemoinformatics in Germany. Many problems in Chemoinformatics were tackled and solved. However, it must be realized that by far not all problems have been solved. Furthermore, the recognition of Chemoinformatics as a scientific discipline still leaves something to be desired. These topics will be discussed and approaches for their improvement will be outlined.

Author details

¹Computer-Chemie-Centrum, University of Erlangen Nuremberg, Germany.

²Molecular Networks GmbH, Henkestr. 91, D-91052 Erlangen, Germany.

Published: 1 May 2012

¹Computer-Chemie-Centrum, University of Erlangen Nuremberg, Germany
Full list of author information is available at the end of the article

doi:10.1186/1758-2946-4-S1-O1

Cite this article as: Gasteiger: 25 years of CIC – achievements and future goals. *Journal of Cheminformatics* 2012 **4**(Suppl 1):O1.

Publish with **ChemistryCentral** and every scientist can read your work free of charge

“Open access provides opportunities to our colleagues in other parts of the globe, by allowing anyone to view the content free of charge.”

W. Jeffery Hurst, The Hershey Company.

- available free of charge to the entire scientific community
- peer reviewed and published immediately upon acceptance
- cited in PubMed and archived on PubMed Central
- yours — you keep the copyright

Submit your manuscript here:
<http://www.chemistrycentral.com/manuscript/>


ChemistryCentral