

Curriculum vitae

PERSONAL INFORMATION

Name: Christian Blaschke
Date of birth: 17 / 12 /1971
Nationality: Austria

LABORATORY ADDRESS:

Protein Design Group
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ACADEMIC RECORD

M.Sc. 1998. Plant Physiology (University of Salzburg, Austria)
Ph.D. 1998- 2002. Molecular Biology (Universidad Autónoma de Madrid)

INFORMATICS SKILLS

Operating systems: UNIX/LinuX (advanced user), Windows NT (administration).
Programming languages: C/C++ (basic knowledge), Java, Perl, HTML.

TEACHING EXPERIENCE

“Acceso a la información bibliográfica” at the course *Especialista en Bioinformática: Diseño molecular, Genómica y Proteómica*. Fundación General de la Universidad Complutense. Madrid. Spain (October 29 – December 4, 2001): <http://www.pdg.cnb.uam.es/cursos/Complutense2001>.

“Acceso a la información bibliográfica” at the *Curso Teórico/Práctico de Bioinformática*. Organized by Alma Bioinformática, SL. Madrid (March 4-8, 2002).

“Automatic extraction of biological information from scientific text” at the PhD course *Bioinformatics* at the Universidad Autónoma de Madrid (April 2002).

“MEDLINE” at the course *Especialista en Bioinformática: Diseño molecular, Genómica y Proteómica*. Fundación General de la Universidad Complutense. Madrid. Spain (July 4-31, 2002): <http://www.pdg.cnb.uam.es/cursos/Complutense2002>.

PARTICIPATION AT INTERNATIONAL CONFERENCES

Intelligent Systems in Molecular Biology 1999, Heidelberg, Germany. Publication of “Automatic extraction of biological information from scientific text: protein-protein interactions”.

Genome Informatics Series 2000, Tokyo, Japan. Publication and presentation of “Expression profiles and biological function”.

Genome Informatics Series 2001, Tokyo, Japan. Publication and presentation of “The potential use of SUISEKI as a protein interaction discovery tool”.

19th Twente Workshop on Language Theory: Workshop on Information Extraction in Molecular Biology, 2001, Twente, Netherlands. Publication and presentation of “Biological function and DNA expression arrays”.

E-BioSci/ORIEL Joint Summer Meeting 2002, Wiesloch, Germany. Presentation of “Interaction networks from the IE point of view”.

Co-organization of the *Second Meeting of the Special Interest Group on Text Data Mining*. August 2002. Edmonton, Canada.

Standards and Ontologies for Functional Genomics 2002, Cambridge, UK. Presentation of “*A literature based ontology construction aiding system*”.

RESEARCH EXPERIENCE

1998 – 2002 (Ph.D. thesis):

Applications of Information Extraction Techniques to Molecular Biology

Centro Nacional de Biotecnología (CNB). CSIC - UAM.

Group leader: Alfonso Valencia

2002 - :

Post-Doctoral fellow at the protein design group (Madrid) with the responsibility of the information extraction and text mining activities in the group.

PROJECT EXPERIENCES

1.1.2002 – 31.1.2004 (project termination): EC project ORIEL (Online Research Information Environment for the Life Sciences).

Coordination of scientific work and responsibility for communication with the project administration.

PUBLICATIONS

Blaschke C, Andrade MA, Ouzounis C and Valencia A (1999) *Automatic extraction of biological information from scientific text: protein-protein interactions*. International Conference on Intelligent Systems for Molecular Biology: 60-67.

Oliveros JC, Blaschke C, Herrero J, Dopazo J and Valencia A (2000) *Expression profiles and biological function*. Genome Informatics Series: 106-117.

Blaschke C, Oliveros JC and Valencia A (2001) *Mining functional information associated with expression arrays*. Funct Integr Genomics 4: 256-268.

Blaschke C and Valencia A (2001) *Can bibliographic pointers for known biological data be found automatically? Protein interactions as a case study*. Comp Funct Genom 2: 196-206.

Blaschke C and Valencia A (2001) *Biological function and DNA expression arrays*. In Proceedings of the ESF Workshop Information Extraction for Molecular Biology, University of Twente.

Blaschke C and Valencia A (2001) *The frame-based module of the SUISEKI information extraction system*. IEEE Intelligent Systems 17:14-20.

Blaschke C and Valencia A (2001) *The potential use of SUISEKI as a protein interaction discovery tool*. Genome Informatics Series. 123-134.

Blaschke C, Hoffmann R, Oliveros JC and Valencia A. (2001) *Extracting information automatically from the biological literature*. Comp Funct Genom 2: 310-313.

Blaschke C, Hirschman L and Valencia A. (2002) *Information extraction in Molecular Biology*, Briefings in Bioinformatics 3: 154-165.

Tamames J, Clark D, Herrero J, Dopazo J, Blaschke C, Fernandez JM, Oliveros JC and Valencia A. (2002) *Bioinformatics methods for the analysis of expression arrays: data clustering and information extraction*. J Biotechnol. 98: 269-283.

Blaschke C and Valencia A (2002) *Automatic ontology construction from the literature*. Genome Informatics Series. In press.