AGENDA

9:00 – 9:10	Start *Martin Hofmann, Fraunhofer SCAI*
9:10 – 9:30	Introduction and welcome *Stefan Wrobel, Fraunhofer AIS*
9:30 – 10:15	Text mining in the life sciences: keynote lecture *Ulf Leser, Humboldt University, Berlin*
10:15 – 10:30	Coffee break and discussion
10:30 – 11:15	Text mining for new therapeutic targets qualification *Sébastien Vachenc, FournierPharma, Daix*
11:15 – 12:00	Large scale evaluation of chemical structure recognition *Marc Zimmermann, Fraunhofer SCAI*
12:00 – 12:45	Light lunch
12:45 – 13:30	Industrial solution presentation/software demos
13:30 – 14:15	UIMA framework and knowledge discovery at IBM *Alex Nevidomsky, IBM R&D Laboratories, Dublin*
14:15 – 15:00	Benefits of corporate text analytics for the life science industry *Eric Brégand and Stefan Geißler, TEMIS*
15:00 – 15:20	BioRange at the University of Twente: Bringing text mining to the User *Paul van der Vet, University of Twente*
15:20 – 15:50	Coffee break
15:50 – 16:35	Multilingual text mining solution for consumer feedbacks analysis and categorization *Pascale Lacroix, Nestlé Consumer Excellence, Vevey*
16:35 – 17:20	Rescuing »lost« data – using text mining to apply thesaurus-based indexing to digitized print material *Tim Miller, Thomson Scientific, London*
17:20 – 18:00	Indices versus text mining – The battle between »traditional« added-value databases and information extraction from unstructured text *Wolfgang Thielemann, Bayer Healthcare, Wuppertal*
18:00	Closing remarks and outlook to new frontiers: using text mining for HealthGRIDs: ANEURIST as an example *Martin Hofmann, Fraunhofer SCAI*

LKRSDH MA17 HPT1 CDEP P2Y5 WAVE2 LSST CITRIN-2 Vinexin CNIL TNM RBM 7 CDK2 DEF3 RMB5 Hypothetical protein KIAA0206 ACK 1 protein hypothetical SBBI 03 protein SDCCAG33 ALG3 Protein arginine N-transf REG-GAMMA MPP9 MPP-10 CDK4 MS2 MPP6 IPIA-ALPHA short-chain alcohol dehydrogenase family member CGRPR PP15 EVA LEU5 Protein translation factor SUI1 homolog Cell division protein kinase 5 TP53BPL Flotillin-1 P0H 1 synovial sarcoma, X breakpoint 3 RACK17 MSF NLI-interacting factor 1 CDT 6 KLRG1 cell division protein kinase 6 BMP-11 phosphoprotein regulated by mitogenic pathways Cell surface A33 antigen precursor Kruppel-type zinc finger (C 2 H 2) CD96 antigen Cargo selection protein Human tetracycline transporter-

ABOUT SCAI BIOINFORMATICS

SCAI Bioinformatics offers contract research and development in the field of text mining, information and knowledge management, intelligent data analysis and applied chemoinformatics. Our mission is to work closely with the pharma and biotechnology industry and to mediate the transformation of basic research into industrial applications.

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ABOUT TEMIS

TEMIS, leading European provider of text mining solutions, has a long record of successful engagements in the life science domain. TEMIS technology is in production at large corporate clients from pharmaceuticals and chemistry, but also in banking, media and automotive. The company has subsidiaries in France, Germany, Italy and the UK and is a cooperation partner of SCAI.

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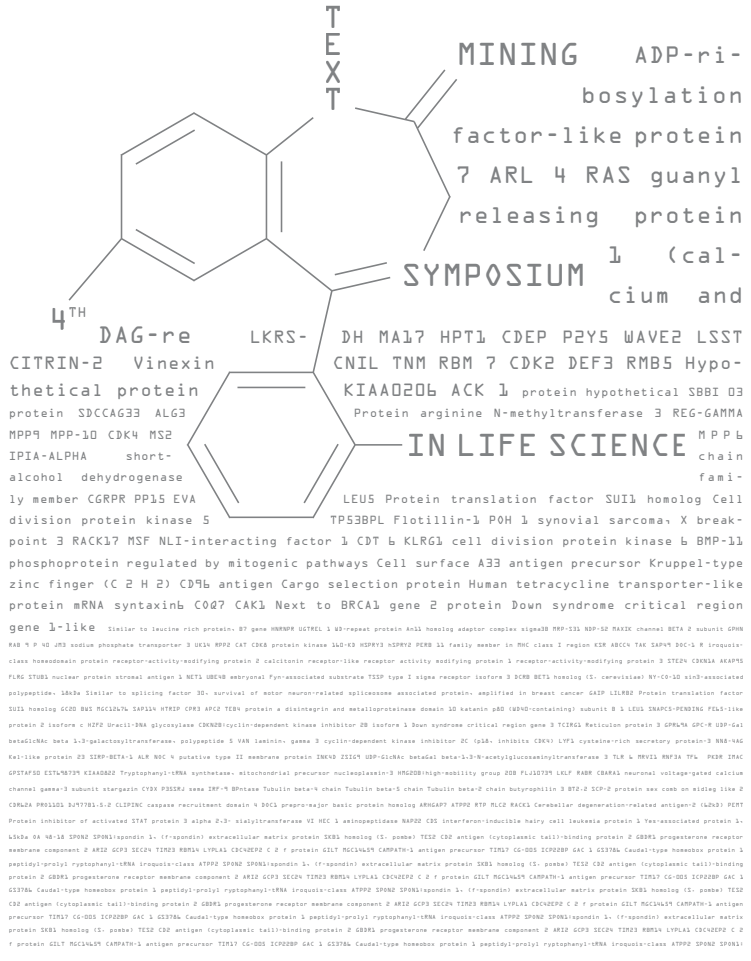
4TH SYMPOSIUM

TEXT MINING

IN THE LIFE SCIENCES

10TH OCTOBER, 2006

SANKT AUGUSTIN, GERMANY



TEXT MINING IN THE LIFE SCIENCES

Text mining and information extraction technologies rapidly develop into key technologies in the life sciences. Over the last years we have not only seen a dramatic increase in research and development of text mining algorithms and technologies in academic institutes, but also in industrial laboratories. Moreover, we observe a strong tendency towards rapid technology uptake by both, non-commercial and commercial users of information extraction technologies. More and more examples for the use of text mining technology in the academic sector and in the commercial sector demonstrate the value of this technology for such diverse applications as »content production for biodatabases«, »mining of electronic health records«, »competitive intelligence« and »customer relationship management«.

As in the last years, the 4th Birlinghoven Symposium on text mining in the life sciences will bring together scientists from academic research institutions and scientists from commercial organisations to stimulate discussions between these domains. Basic research in the field of named entity recognition and information extraction meets application oriented solution development aiming at creating true production environments for life science information providers or pharmaceutical research organisations. As in the years before we expect fruitful discussions between scientists from industrial research teams and solution providers and academic researchers.

This years symposium will address a broad spectrum of scientific issues in the field of text mining and its application. We are looking forward to learn more about

- the emerging standardised framework for unstructured information management architecture (UIMA) proposed by IBM recently,
- industrial applications of text mining technology for the identification of new pharmaceutical targets but also for customer relationship management
- the use of text mining technologies for indexing of digitized print material
- the use of text mining and image mining technology to extract relevant information on chemical compounds and structures
- upcoming scientific challenges in the field of text mining research such as the application of text mining for the probabilistic modeling of diseases in HealthGrids.

We are looking forward to welcoming you at Schloss Birlinghoven. Please register using our web form or the registration form attached. A registration fee of 165 Euro will be charged for participation; special rates apply for students.

REGISTRATION

Please register before October 2006 under:
www.scai.fhg.de/textmining2006.html

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TRAVEL INFORMATION

The campus of the Fraunhofer Institute in Sankt Augustin is situated only a few kilometers from the city of Bonn and can be reached easily by car, train (ICE-station Siegburg/Bonn) or plane (Köln Bonn Airport).

http://www.scai.fraunhofer.de/travel.html
http://www.scai.fraunhofer.de/hotel.html

REGISTRATION

☐ registration fee 165 Euro

☐ registration fee for students 50 Euro

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