

Curriculum Vitae

Stefan Götz

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Personal Data:

Name: Stefan Götz, PhD
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Academic Records:

2004: Computer Science Engineer, University of Applied Sciences, Osnabrück
2006: Titulo: Especialista Universitario (Declarative Programming and Software Engineering)
2007: DEA (Diploma of Advances Studies (Promoción del Conocimiento))
2010: PhD Thesis, Bioinformatics, Universidad Politécnica de Valencia

Languages:

German: mother tongue
English: fluent
Spanish: fluent

Scientific Positions:

- 4.2010 - now
PostDoc at the Bioinformatics and Genomics Department
Centro de Investigación Príncipe Felipe (CIPF)
C/E.P. Avda. Autopista del Saler, 16-3 (junto Oceanográfico)
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- 3.2007-4.2010
PhD student at the Bioinformatics and Genomics Department
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- 1.2008-4.2008
ESF fellowship at the Department of genome-oriented Bioinformatics at the Technical University of Munich (TUM) and the Institute of Bioinformatics and Systembiology at the Helmholtz Center (also know as MIPS).
- 9.2004-3.2007
PhD student in Bioinformatics at:
Biomedical Informatics Group
Universidad Politécnica de Valencia
Camino de Vera S/N
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Scientific Publications:

1. **Götz,S.**, Arnold,R., Sebastián,P., Tischler,P., Jehl,MA., Dopazo,J., Rattei,T., Conesa,A. (2010) B2G-FAR: a species centered GO annotation repository. *BMC Genomics*. submitted
2. Medina,I., Carbonell,J., Pulido,L., Madeira,SC., **Götz,S.**, Conesa,A., Tarraga,J., Pascual-Montano,A., Nogales-Cadenas,R., Santoyo,J., García,F., Marbá,M., Montaner,D., Dopazo,J. (2010) Babelomics: an integrative platform for the analysis of transcriptomics, proteomics and genomic data with advanced functional profiling. *Nucleic Acids Res.*, 38, W210-3
3. Rattei,T., Tischler,P., **Götz,S.**, Jehl,MA., Hoser,J., Arnold,R., Conesa,A., Mewes,HW. (2010) SIMAP - a comprehensive database of pre-calculated protein sequence similarities, domains, annotations and clusters. *Nucleic Acids Res.*, 38, D223-D226
4. Prado-Lopez,S., Conesa,A., Armián,A., Martínez-Losa,M., Escobedo-Lucea,C., Gandia,C., Tarazona,S., Melguizo,D., Blesa,D., Montaner,D., Sanz-González,S., Sepúlveda,P., **Götz,S.**, O'Connor,JE., Moreno,R., Dopazo,J., Burks,JD., Stojkovic,M. (2009) Hypoxia Promotes Efficient Differentiation of Human Embryonic Stem Cells to Functional Endothelium. *Stem Cells*, Epub ahead of print
5. Minguez,P., **Götz,S.**, Montaner,D., Al-Shahrour,F., Dopazo,J. (2009) SNOW, a web-based tool for the statistical analysis of protein-protein interaction networks. *Nucl. Acids Res.*, 37: W109-114
6. **Götz,S.**, García-Gómez,JM., Terol,J., Williams,T., Nueda,MJ., Robles,M., Talón,M., Dopazo,J., Conesa,A. (2008) High-throughput functional annotation and data mining with the Blast2GO suite. *Nucl. Acids Res.*, 36(10): 3420-3435.
7. Conesa,A., Bro,R., García-García,F., Prats-Montalbán,JM., **Götz,S.**, Kjeldahl,K., Montaner,D., Dopazo,J. (2008) Direct functional assessment of the composite phenotype through multivariate projection strategies. *Genomics*, 92, 373-383
8. Tarraga,J., Medina,I., Carbonell,J., Huerta-Cepas,J., Minguez,P., Alloza,E., Al-Shahrour,F., Vegas-Azcarate,S., **Götz,S.**, Escobar,P., Garcia-Garcia,F., Conesa,A., Montaner,D., Dopazo,J (2008) GEPAS, a web-based tool for microarray data analysis and interpretation. *Nucl. Acids Res.*, 36, W308-314
9. Al-Shahrour,F., Carbonell,J., Minguez,P., **Götz,S.**, Conesa,A., Tarraga,J., Medina,I., Alloza,E., Montaner,D., Dopazo,J (2008) Babelomics: advanced functional profiling of transcriptomics, proteomics and genomics experiments. *Nucl. Acids Res.*, 36, W341-346
10. Conesa,A., **Götz,S.** (2008) Blast2GO: A Comprehensive Suite for Functional Analysis in Plant Genomics. *International Journal of Plant Genomics*, 1-12, doi:10.1155/2008/619832
11. Terol,J., Conesa,A., Colmenero,J.M., Cercos,M., Tadeo,F., Agustó,J., Alós,E., Andres,F., Soler,G., Brumos,J., Iglesias,D.J., **Götz,S.**, Legaz,F., Argout,X., Courtois,B., Ollitrault,P., Dossat,C., Wincker,P., Morillon,R. and Talon,M. (2007) Analysis of 13000 unique Citrus clusters associated with fruit quality, production and salinity tolerance. *BMC Genomics*, 8, 31+
12. Aparicio,G., **Götz,S.**, Conesa,A. et al. (2006) Blast2GO goes Grid: Developing a grid-enabled prototype for functional genomics analysis. *Studies in Health Technology and Informatics*, IOS-Press
13. Conesa,A., **Götz,S.**, Garcia-Gomez,JM. et al. (2005) Blast2GO: A universal tool for annotation, visualization and analysis in functional genomics research. *Bioinformatics*, 21, 3674-3676

Presentations:

- High Throughput Functional Annotation of Non-Model Species Sequence Data with Blast2GO. AgriGenomics World Congress, Amsterdam, The Netherlands, September 2008
- Functional annotation and interpretation of novel sequence data with Blast2GO. Workshop: Uso avanzado de herramientas bioinformaticas. Plataforma Andaluza de Bioinformática. Malaga, Spain, July 2008
- Simap2GO: Functional GO annotation for the Simap sequence space. Institute of Bioinformatics and Systembiology (MIPS), Helmholtz Center, Munich, Germany, April 2008
- Blast2GO: Functional annotation and interpretation. 4th International Course on Microarray Data Analysis (MDA), Centro de Investigación, Príncipe Felipe, Valencia, Spain, 2008
- Applications of Bio-Ontologies - Current Solutions and Future Trends. Ontoverse Project Workshop, Ontoverse - Cooperative knowledge management in the life sciences network, Düsseldorf, Germany, November 2007.
- Conceptos de anotación funcional automática y su aplicación en una herramienta bioinformática. Bit-Lab, Department of Computer Architecture, University of Málaga, October 2006
- Conceptos de anotación funcional automática y su aplicación en una herramienta bioinformática. Foro de Biotecnología de Plantas, Taller de Bioinformática, Murcia, September 2006
- Conceptos de anotación funcional automática y su aplicación en una herramienta bioinformática. Bioinformatics Journal Club, Polytechnic University of Valencia, May 2006
- Software publico on-line en bioinformática para la anotación funcional. Bioinformatics Course, Computer Science Faculty, Polytechnic University of Valencia, April 2006
- Software publico on-line en bioinformática para el análisis de secuencias. Bioinformatics Course, Computer Science Faculty, Polytechnic University of Valencia, April 2006
- Genómica funcional en cítricos o la bioinformática en especies no modelo. University of Barcelona, November 2005

Conference Participation:

- 8th Spanish Symposium on Bioinformatics and Computational Biology, Valencia, Spain, February 2008. Participation: Poster and Software Demonstration
- Ontoverse Project Workshop, Düsseldorf, Germany, November 2007. Participation: Oral presentation
- 3rd International Course on Microarray Data Analysis (MDA), Centro de Investigación Príncipe Felipe, Valencia, Spain, 2007.
- European Conference on Computational Biology ECCB 2006 Eilat, Israel, 2007. Participation: Poster and Software Demonstration
- Distributed High-Performance and Grid Computing in Computational Biology, GCCB 2006, Eilat, Israel, 2007
- 7th Spanish Symposium on Bioinformatics and Computational Biology Zaragoza, Spain, Nov 2006 Participation: Oral presentation
- Workshop on Technologies for Healthcare and Well-Being. Technologies for Health and Well-Being, Valencia, Spain, April 2006
- Polytechnic University of Valencia European Conference on Computational Biology ECCB 2005 Madrid, Spain, 2005
- Spanish National Institute of Bioinformatics (INB). Participation: Poster
- International Gene Ontology User Meeting Universidad de Bergen, Bergen, Norway. February 2005
- Gene Ontology Consortium Participation: Poster, Presentation
- Workshop on Best Practices in Microarray Studies German Cancer Research Centre, Heidelberg, Germany, December 2004 Participation: Poster
- 5th Annual Spanish Bioinformatics Conference. Technical University of Catalonia, Barcelona, Spain, December 2004 Participation: Poster

Teaching Activities

- International Course in Automated Functional Annotation and Data Mining, Cape Town, South Africa, 2009
- International Course in Automated Functional Annotation and Data Mining, University of Florida, Orlando, United States of America, 2009
- International Course in Automated Functional Annotation and Data Mining, Centro de Investigación Príncipe Felipe, Valencia, Spain, 2009
- 5th International Course on Microarray Data Analysis (MDA), Centro de Investigación Príncipe Felipe, Valencia, Spain, 2009
- 4th International Course on Microarray Data Analysis (MDA), Centro de Investigación Príncipe Felipe, Valencia, Spain, 2008.