florian leitner data scientist

contact	profile		
Address Line E-28005 Madrid	Machine learning expert for AI, deep learning and information extraction. Data curation for and modeling/deployment of intelligent business software. Developing and operating distributed processing frameworks ("DataOps"). Sectors of expertise: BioTech, FinTech, and Pharma. Excellent communication, planning, and organization skills. Experience		
+34 6XX XXX XXX			
leitner@ datacatalytics.com			
languages	2015-now	Data Cataltyics, S.L. International consultant (Machine learning & NLP engine	Madrid, Spain
German: native		Deep learning and text mining solutions. Streaming and batch DataOps in the Cloud. Low-latency and high-performance analytics. Teaching.	
English: master	2014–2015	Technical University of Madrid (UPM) Juan de la Cierva research fellow (Statistician & BioNLF	*
Spanish: proficient	2013–2014	Information extraction for neurobiology. Statistical data National Cancer Research Centre (CNIO)	analyses. Teaching. Madrid, Spain
computing		Post-doc (Molecular biology & BioNLP researcher) Extraction of the mammalian transcriptome from scienti	fic abstracts. Teaching.
statistical and numerical analysis text mining and	2006–2013	National Cancer Research Centre (CNIO) PhD student (Bioinformatician) Organizer of the BioCreative (BC) community challenge meta-server with a dozen intl. research teams. Develop face and team management framework. Analyses of or	per of the BC web inter-
deep learning natural language processing	2003–2006	Institute for Molecular Pathology (IMP) MSc student (Data architect and software/web develop Acquisition and warehousing of biological data resource for protein and gene sequence data. Text and data inde	ces. Web visualizations
distributed and cloud computing	2003–2003	CSO Lanifex GmbH Consultant (Systems & web developer) Contributions to a VPN network for the Austrian Nation	Vienna, Austria
data warehousing and engineering software development	2002–2003	Nations intranet. European Media Labs (EML) Application developer 3D viz. of protein annotations. Deployment of molecula	Heidelberg, Germany
and operations on POSIX systems (GNU coreutils)	2001–2002	Novartis Research Institute Web developer and database administrator Development of a genomic sequence management and	Vienna, Austria
Python, Java, Scala, R, SQL, C/CUDA	1997–2000	Pro-Design Paragliders Global sales manager	Innsbruck, Austria

Manging production and intl. sales. Development of stock mngmnt. system.

education

PhD Bioinformatics, with distinction
 Online assessment of protein interaction information extraction systems.

 MSc Molecular Biology, with distinction
 Vienna University, Austria

Integration of biological databases and mining for post-translational modifications.

accomplishments

2016	Neural Networks for Machine Learning completed with 100/100 total score + PA4	Coursera MOOC
2015	Apache Spark Big Data and Scalable Machine Learning both completed with 100/100 total scores	edX Berkeley MOOC
2014	Machine Learning completed with 100+/100 total score	Stanford/Coursera MOOC
2013	Special Award - Premio Extraordinario for my PhD thesis work	Autonomous University of Madrid (UAM)
2012	Natural Language Processing completed with 88/100 total score	Stanford/Coursera MOOC
2009	Main Conference Organizer three-day conference with nearly 100 participants	BioCreative, CNIO, Madrid
2009	Services Cup 3 rd place behind competitors from SAP and IBM	IEEE Services-I World Conference

communication skills

2015	Invited Talk The BioCreative challenges: Critical assessmen	Jornada de Tecnología y Salud, Real Academia de Ingeniería, Madrid, Spain ents of biomedical information extraction.	
2014	Invited Talk From the BioCreative challenges to transcription	Institute for Computational Linguistics (UZH), Zurich, Switzerland n regulation network extraction.	
2014	Progress Report Retracing transcription regulation networks.	National Cancer Research Centre (CNIO), Madrid, Spain	
2013	Presentation BioLINK @ Intelligent Systems for Molecular Biology (ISMB), Berlin, Germany Mining cis-regulatory transcription networks from literature.		
2013	Panel Host Integration across genomics and medicine.	BioLINK @ Intelligent Systems for Molecular Biology (ISMB), Vienna, Austria	
2011	Invited Talk Annotating scientific manuscripts and the role of	FEBS Journal Board Meeting, Cambridge, UK of text-mining.	
2010	Progress Report Making biological information accessible.	National Cancer Research Centre (CNIO), Madrid, Spain	
2010	Presentation Intelligent Systems for Molecular Biology (ISMB), Stockholm, Sweden Comparative community assessments for applied biomedical text mining.		
2009	Presentation The BioCreative Meta-Server platform.	Semantic Mining in Biomedicine (SMBM), Turku, Finland	
2008–2013	Presentations Various presentations throughout the BC II-IV v	BioCreative, Madrid, Spain and Bethesda, MD, USA vorkshops (see conference proceedings).	

publications

journal articles

Data publications correlate with citation impact

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Krallinger, Martin, Miguel Vazquez, Florian Leitner, ..., and Alfonso Valencia

BMC Bioinformatics 12. Suppl 8 (2011) S3. 2011

Text Mining for Drugs and Chemical Compounds: Methods, Tools and Applications

Vazquez, M., M Krallinger, F Leitner, and A Valencia

Molecular Informatics 30.6-7 (2011) pp. 506-519. 2011

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Nature Biotechnology 28.9 (2010) pp. 897–899. 2010

The FEBS Letters SDA corpus.

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Krallinger, M, A Morgan, L Smith, F Leitner, L Tanabe, J Wilbur, L Hirschman, and A Valencia

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Genome Biology 9 Suppl 2 (2008) S4. 2008

Introducing meta-services for biomedical information extraction.

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Genome Biology 9 Suppl 2 (2008) S6. 2008

A text-mining perspective on the requirements for electronically annotated abstracts.

Leitner, Florian and Alfonso Valencia

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Overview of the chemical compound and drug name recognition (CHEMDNER) task

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Mining cis-Regulatory Transcription Networks from Literature

Leitner, Florian, Martin Krallinger, Sushil Tripathi, Martin Kuiper, Astrid Lægreid, and Alfonso Valencia

Proceedings of the ISMB BioLINK SIG, 2013

Results of the BioCreative III Interaction Method Task

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Starlinger, Johann, Florian Leitner, Alfonso Valencia, and Ulf Leser

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Exploiting text mining of biological annotations to extract protein interactions for the Semantic web

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Seventh International Workshop on Network Tools and Applications in Biology, 2007