Open Post-Doctoral Fellow / Research Associate Position in Text Mining / Bio-NLP

Submitted by witte [1] on Mon, 2010-02-08 18:44

 Reference: JOB106
Location: Montréal, Québec, Canada
Employer: Concordia University
Application deadline: CLOSED
Contact: René Witte
Url: http://www.cse.concordia.ca

Note: This position has been filled.

The Department of Computer Science and Software Engineering, Concordia University in Montréal, Canada has an opening for a Post-Doctoral Fellow (PDF) / Research Associate in the area of text mining and bio-NLP.

The position is located within the new Cellulosic Biofuel Network, a Canadian network of more than 40 government and university scientists seeking to eliminate constraints for the Canadian bioethanol industry. The job duties include research on the application of text mining techniques to the discovery of fungal enzymes with industrial applications under the supervision of Dr. René Witte. Installation, enhancement, and evaluation of text mining systems (such as GOPubMed, Textpresso, and Mutation Miner) in direct collaboration with end users is an essential part of this position. Examples of information we are interested in extracting from the bibliome include enzyme kinetic properties; protein-gene interaction during transcription for the study of transcription factors; protein localization and secretion; and information for metabolic pathways and the secretory pathway. Hence, the candidate must have solid foundation in text mining and (Bio-)NLP, good knowledge of systems (NLP frameworks such as GATE, Linux, Web Services and Service Composition Workbenches, OWL Ontology and Semantic Web infrastructure) and preferably some background in biology/bioinformatics.

The position will be located at Concordia University in Montréal, an English speaking university in a French environment. Montréal is also top-ranked in quality of life in North America. Concordia features state-of-the-art research facilities, including the two locations relevant for this position, the Engineering, Computer Science and Visual Arts Integrated Complex [2] and Richard J. Renaud Science Complex [3]. For additional information on Montréal, Concordia, and the research groups, please refer to:

- Concordia University: http://www.concordia.ca/ [4]
- Department of Computer Science and Software Engineering: http://www.cse.concordia.ca/ [5]
- Centre For Structural and Functional Genomics: http://gene.concordia.ca/csfg/home/aboutus.html [6]
- Semantic Software Lab: http://www.semanticsoftware.info [7]
- Canadian Cellulosic Biofuel Network (CBN): http://www4.agr.gc.ca/AAFC-AAC/display-afficher.do?id=1247508624494&lang... [8] and http://cjournal.concordia.ca/archives/20090129/biofuel_network_launched.php [9]
- Montréal: http://www.concordia.ca/about/whereweare/montreal/ [10] and http://en.wikipedia.org/wiki/Montreal [11]

The position is available immediately. For full consideration, please submit your resume until February 28. The initial contract will be for one year with a possible extension for a second year. The remuneration (tax free, but without benefits) is C$45,000 per annum.

For the initial application, please submit your CV (including a list of publications) and a brief statement indicating your interest in this position. For further questions regarding the position, please contact René Witte, http://www.semanticsoftware.info/contact [12].

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