



Research and Innovation Centre

Job posting – Job opportunità Post doc offer		Vacancy Code 050_ALI_PDMDA
Job title	Post doc in Metabolomics Data Analysis	
Job description	<p>High-throughput metabolomics currently is becoming a reality – the bottleneck however often lies in the data analysis phase. The challenge is to create a stable, uniform and fast data analysis pipeline providing researchers with the information they need. How to do this is far from clear. There is no general consensus on which methods should be employed; one thing that is certain is that commercial software, provided by instrument manufacturers, is inadequate for all but the simplest cases. A post-doctoral position is available in the area of data analysis for metabolomics. The postdoc will develop, implement and validate a data analysis pipeline to be used in the FEM metabolomics platform. State-of-the-art data preprocessing and analysis methods will be implemented and improved upon where necessary. The postdoc will work in close collaboration with the analytical chemists operating the spectrometers, and therefore an interest in multidisciplinary research is essential.</p>	
Duties / Tasks	Duties will be to develop and implement (statistical) methods for the high-throughput analysis of metabolomics data, set up and carry out experiments to evaluate both individual methods and the complete pipeline, and document the final product.	
Keywords	multivariate statistics, exploratory analysis, plant metabolomics	
Contract type and length	3 year Post Doc	
Languages knowledge	Excellent communication skills in oral and written English.	
IT knowledge	Linux, R	
Required title to join the selection	PhD (or a PhD in the very near future)	
Required experience	Experience with data analysis software is required – knowledge of R is an asset, as is programming experience. Knowledge of linux is essential.	
Psychosocial skills	The successful candidate is highly motivated, able to work independently while having excellent qualities to interact with other scientists, and show initiative within a multidisciplinary project area and collaborate with other members of the group.	
Tutor	Ron Wehrens	



ISTITUTO AGRARIO
DI SAN MICHELE ALL'ADIGE

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Application

To apply for the position the applicants should send a message mentioning the code (050_ALI_PDMDA) to the email account **risorseumane.centroricerca[AT]iasma.it** including the following items:

1. an up-to-date CV (Please add the following phrase to your CV otherwise your application will not be considered: I consent to the use of my personal data in accordance with the provisions of decree 196/2003);
2. the filled application form available online (050_ALI_PDMDA_Application);

The deadline for the submission of the applications is the 14th March 2010 (extended deadline) – we will accept speculative applications after this date.

Short list candidates

FEM will short-list the applicants. The selected and non selected candidates will be notified. Short-listed candidates will be contacted for a phone interview or invited for interview in San Michele.

Information about CRI

The Research and Innovation Centre of the foundation (CRI), with more than 200 researchers, has a mission to promote and enhance the Trentino land-based economy through studies and innovation that improve agricultural and environment products and enhance the quality and nutritional value of food products. It sustains the region's environmental resources through development and promotion of low-impact agricultural practices, study and preservation of biodiversity, and characterisation of alpine and subalpine ecosystems. The centre operates fully integrated research programs and state-of-the-art platform technologies to deliver innovative solutions and competitive products for our stakeholders and end-user communities. The CRI concentrates its actions in three main areas of interest: 1) agriculture: 2) food and 3) environment. In carrying out its programme, the CRI will maintain a firm territorial basis to its operations, with full acknowledgement of the global dimension of research and the necessity for competition in international contexts.

Equal opportunities

The position is open to both genders, Law n. 903, 9/12/1977, art. 1. The policy and practice of the Edmund Mach Foundation require that all staff are offered equal opportunities within employment.

Data treatment

All data supplied by applicants will be used only for the purposes of determining their suitability for the position and will be held in accordance with the principles of the Personal Data Protection Code, Legislative Decree no. 196 of 30 June 2003. By sending the Cv and application, the candidate consent and authorize the Foundation to the use of his/her personal data.