Umeå October 19, 2005

To Whom It May Concern

Letter of Recommendation

Regarding Dr Jiye A

Dr A has been a post-doctoral fellow at the Department of Medical Biosciences, Umeå University and Umeå Plant Science Center, Swedish University of Agricultural Sciences since Sept 1st 2003. His main task has been to develop a protocol for the extraction and analysis of the human blood plasma metabolome by gas chromatography/TOF-mass spectrometry. The project has involved the use of experimental design theory (design-of-experiment, DOE) and advanced multivariate statistical tools for the development of extraction procedures, derivatization and separation variables and parameters. The work has been successful and has so far resulted in two scientific papers in Analytical Chemistry of which one has Dr A as first author. Dr A is presently working on a project with blood plasma from CuZn-SOD knockout mice as compared to controls, and on blood plasma and cerebrospinal fluid from patients with neurological diseases. He is also developing a protocol for the extraction and analysis of the metabolome of erythrocytes.

Dr A has been an enterprising scientist with a strong motivation and would no doubt be an excellent researcher in the research institute or company concerned. You are welcome to contact us for further information.

Sincerely

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UMEÅ UNIVERSITET
Organisk kemi
Johan Trygg

Nov 1 2005

To Whom It May Concern:

Dr. Jiye A has been a postdoctoral researcher at Umeå University Hospital, Umeå, Sweden since September 2003. He has been actively involved in a metabolomics project, focussed on the ALS neurological disease.

After two years' work, in collaboration with the chemometrics group, a comprehensive method was established to extract and analyze the metabolome in human blood plasma using GC/TOF-MS. This involved not only the application of chemometrics, but also methodological development concerning extraction, derivatisation and processing for sensitivity and robustness. Dr. A has also attended a five week chemometrics course that include theoretical and practical aspects of multivariate data analysis (e.g. Principal Component Analysis and Partial Least Squares (PLS)), and design of experiments (DOE).

Dr. A turned out to be an enterprising scholar of strong self-motivation and team-working with sound scientific knowledge. I'd like to recommend him since I believe that Dr. A will be a qualified researcher in the research institute or company concerned, and that your acceptance will be rewarded. You are welcome to contact with me for further information.

Umeå, day as above

Johan Trygg
Assistant Professor of Chemometrics, Umeå University
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