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ÖREBRO
UNIVERSITY

To Whom It May Concern,

I am writing this letter of reference and support on behalf of Dr. Miao Yu, who I have known since we worked together at the Research Centre for Eco-Environmental Sciences (RCEES), Chinese Academy of Sciences, Beijing, China. I would gladly provide my references for Dr. Yu regarding the position.

When we first met, Miao was a PhD student majoring in environmental science at RCEES and he already then showed his interests in interdisciplinary research combining environmental chemistry, analytical chemistry with computer programming and statistics. We have worked together in several projects on persistent organic pollutants (POPs). I found that Miao could quickly traverse into a new research area and was especially impressed with his ability to utilize his unique skills in data science to solve environmental chemistry problems.

Several years ago, I left RCEES to join my current university in Sweden while Miao went to Canada and the US for postdoctoral training. We still kept in touch to discuss research and collaborate since we are both working on the data analysis of high resolution mass spectrometric data. He developed the enviGCMS and pmd package, which included many useful functions for environmental and metabolomic data analysis. He also developed the concept of pmd-based reactomics, which can help reveal and identify chemical transformation changes during various environmental process. He likes to share his experience and expertise on HRMS based metabolomics and has written an online book (https://bookdown.org/yufree/Metabolomics/) which is be a very good learning resource for other researchers and students, and also shows that he could be a good educator.

Miao is currently working on "exposome" related projects, which is a new promising topic in the environmental health and public health research. He has unique multidisciplinary talents in terms of very good experiences with chemical analysis using HRMS instruments and computational data science. I therefore believe he is well qualified to be an independent researcher at your institute.

Besides, Miao is active in collaborating with people from different backgrounds and maintains connections with other experts in various fields such as public health, data science and environmental sciences. From my encounters and discussions with him, I regard him has a very positive person and willing share knowledge and open minded in his discuss with other colleagues.

Do not hesitate to contact me if you need more information.

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