

Press Release

DSM (China) Ltd.
DSM China Corporate Communications

476 Libing Road, Zhangjiang Hi-Tech Park
201203 Pudong New Area, Shanghai,
China

May 19, 2015 Shanghai, China

DSM strengthens academic collaboration in nutritional science

Royal DSM, the global Life Sciences and Materials Sciences company, today announced that the DSM Science & Technology Award Asia 2015 has been awarded to Dr. ZHENG Ju-Sheng from Zhejiang University, Hangzhou, China, who recently has taken a postdoc assignment at Cambridge University, UK. The award, presented in partnership with the Chinese Nutrition Society (CNS), recognizes the exceptional contribution in terms of Human Nutrition that his Ph.D. research has made to the field of dietary fatty acids and diabetes. DSM was also honored with the “Excellence Award for Nutrition Promotion and Public Service” by the CNS for its outstanding contributions in nutritional science.



On May 17, the award was given to Dr. ZHENG Ju-Sheng (left) by Dr. Marcel Wubbolts(right), Chief Technology Officer of Royal DSM.

The Science & Technology Award Asia is part of DSM’s Bright Science Awards program, and this year the award was presented in partnership with the Chinese Nutrition Society (CNS) during the 12th National Congress in Beijing held on May 16-18.

For more than 25 years, DSM has been presenting such awards in order to recognize, reward and nurture excellence in innovative Ph.D. research within key fields of interest to DSM. The Science and Technology Award program now spans three continents, honoring bright young scientists in Europe, Asia and the Americas who are an example to their peers. The DSM Science and Technology Award Asia is granted every year, and is open to Ph.D. students that have recently received their Ph.D. degree in fields that DSM is active in: health, nutrition and materials .

Innovative research in dietary fatty acid and diabetes in relation to genotype

Dr. ZHENG Ju-Sheng received the award for his Ph.D. research on dietary fatty acids and diabetes mellitus and the metabolic implications of particular genotypes involved in this association, which he conducted under the supervision of Professor LI Duo of the Zhejiang University in China. An international jury of leading scientists selected Dr. ZHENG Ju-Sheng as the winner out of four finalists, after each had presented their research in a short lecture during a special DSM-CNS symposium. On May 17, the award was given to Dr. ZHENG Ju-Sheng by Dr. Marcel Wubbolts, Chief Technology Officer of Royal DSM. The jury chose Dr. ZHENG Ju-Sheng because of his excellent contribution to the emerging and complex field of nutrient-gene interaction. The evidence he has gathered suggests that the genotype contains a very important blueprint of the metabolic response to a given nutrient in humans. His research work demonstrated how the intake of omega-3 fatty acids (e.g. fish or fish oil) reduces the risk of type II diabetes. These insights may add a lot of information about the future research needs in the broader nutrition field.

Health and wellness a top priority

"At DSM, we are strongly engaged in innovations that help to secure the ever more stringent consumer health and wellness goals - from energizing, protecting and nurturing the mind and body in myriad ways; to tailored nutritional solutions for men, women, and children for today's and future generations," said Dr. Marcel Wubbolts Chief Technology Officer of DSM. *"We believe it is our responsibility to nurture and develop bright science that can make this happen. I am therefore excited and honored to recognize the innovative research in dietary fatty acids and diabetes of Dr. ZHENG Ju-Sheng, which provides excellent insights for the benefit of human health."*

Cooperation is key

Jack Chen, Director of the China Research Center, DSM Nutritional Products, says the award delivers benefits in other ways as well. *"By focusing on achieving excellent research and choosing high-quality candidates, we are nurturing the field of nutritional sciences in China, and making it possible for next generation scientists to really make a difference for both China and the world at large."*

CNS President Professor YANG Yuexin, said that *"It is imperative that there are strong ties between the scientific world and the industry, and by cooperating with DSM, we have tapped into top talent that can contribute to China's nutritional science field and improve people's health worldwide."*

The nominees and runner-ups for the DSM Science & Technology Award Asia were:

Dr. ZHENG Jusheng, Zhejiang University, Hangzhou, China (currently a postdoc at Cambridge University)

Ph.D. Thesis: Association of dietary n-3 fatty acids with type 2 diabetes and other chronic diseases and related mechanisms

Ph.D. Supervisor: LI Duo

Dr. RONG Ying, Tongji Medical College, Huazhong University of Science and Technology, Hubei, China

Ph.D. Thesis: The relationship between cereal fiber intake and risk of gestational diabetes mellitus

Ph.D. Supervisor: LIU Liegang

Dr. ZHANG Zheqing, Sun Yat-Sen University, Guangdong, China

Ph.D. Thesis: Phytochemicals and Osteoporosis

Ph.D. Supervisor: SU Yixiang

Dr. ZHANG Huaqi, Harbin Medical University, Heilongjiang, China

Ph.D. Thesis: The effect of maternal vitamin D deficiency during pregnancy on insulin resistance in rat offspring and its mechanism

Ph.D. Supervisor: SUN Changhao

Excellence Award for Nutrition Promotion and Public Service

At the congress on May 16, the CNS also presented DSM with the "Excellence Award for Nutrition Promotion and Public Service" in recognition of its outstanding contributions in the field of nutritional science in China. DSM has received the CNS award for the second time by its constant efforts to the human nutrition sector, strong support for academic community in the field of product development and applications, as well as the excellent contributions in the field of nutritional supplements for special populations.

"This award is a good recognition for our great efforts in nutritional science field," said Leo Xie, Vice President of DSM Nutrition Products Human Nutrition and Health in China. "As a global thought leader in the field of nutrition and health, we will continue to enhance our academic collaboration efforts to develop more innovative products and solutions to meet the local needs."

Seminar on nutritional solution to tackle health impacts of air pollution

This year marks the 10th anniversary for the World Health Organization to publish the Air Quality Guidelines. As part of the congress, CNS and DSM on May 18 jointly organized a seminar on the role of nutritional solution to reduce the health impacts of air pollution. The seminar was chaired by Professor YANG Yuexin and Dr. Manfred Eggersdorfer, Senior Vice President, Nutrition, Science & Advocacy at DSM and Professor for Healthy Ageing at Groningen University. Top experts from different countries joined the seminar to discuss nutrients' important role to reduce health impacts of air pollution. Key speakers include Dr. KAN Haidong from the Fudan University, Dr. TONG Haiyan from the US Environmental Protection Agency, and Dr. ZHANG Weiguo, Director of Nutrition Science & Advocacy, DSM China Human Nutrition & Health.

"Inhaling polluted air, especially air containing PM2.5, constitutes an environmental risk that has a proven impact on the quality and duration of human life," said Professor Manfred Eggersdorfer. "Vitamins and marine-derived long-chain polyunsaturated fatty acids were administered to significantly reduce certain detrimental responses to PM2.5 exposure."

Dr. ZHANG Weiguo, delivered a speech entitled "Nutritional solutions to counter health impact of PM2.5". "Many people across the world are now exposed to air pollution daily. To tackle this issue needs efforts from different sectors. According to recent research on vitamins and fish oil, nutrition can play an important role in reducing some detrimental responses of the body to PM2.5 exposure. In this regard, we should keep the public be aware of the scientific knowledge and benefit from it. ."

DSM - Bright Science. Brighter Living.™

Royal DSM is a global science-based company active in health, nutrition and materials. By connecting its unique competences in Life Sciences and Materials Sciences DSM is driving economic prosperity, environmental progress and social advances to create sustainable value for all stakeholders simultaneously. DSM delivers innovative solutions that nourish, protect and improve performance in global markets such as food and dietary supplements, personal care, feed, medical devices, automotive, paints, electrical and electronics, life protection, alternative energy and bio-based materials. DSM and its associated companies deliver annual net sales of about €10 billion with approximately 25,000 employees. The company is listed on Euronext Amsterdam. More information can be found at www.dsm.com.

DSM began trading with China in 1963 and established its first China sales office and first manufacturing facility in early 1990s. The company currently has 45 affiliates in China including 27 manufacturing sites and employs about 3,500 people. DSM China regional headquarters and China Science and Technology Center is located in Shanghai. DSM's business is growing healthily and steadily

in China with revenue of USD 2 billion in 2014. For further information, please visit www.dsm.com.cn.

Media enquiries:

Lois Lu
DSM China Limited
Tel: 021 - 61716153
Email: lois.lu@dsm.com