

SYSTEMS-ORIENTED GLOBAL CHILDHOOD OBESITY INTERVENTION PROGRAM SPRING 2016 NEWSLETTER

SCHOOL OF PUBLIC HEALTH AND HEALTH PROFESSIONS,
UNIVERSITY AT BUFFALO
STATE UNIVERSITY OF NEW YORK

ICO
2016
CANADA
VANCOUVER
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MAY
2016

DR. YOUFA WANG, SGCOIP PROGRAM DIRECTOR, INVITED BY THE WORLD OBESITY FEDERATION, GAVE A TALK AND CHAIRED A SESSION AT THE 13TH INTERNATIONAL CONGRESS ON OBESITY (ICO) IN CANADA IN MAY 2016

Dr. Youfa Wang was invited by the World Obesity Federation (WFO) to give a talk entitled “The Costs of Obesity: Labour, Productivity and Healthcare,” at the International Congress on Obesity (ICO) in Vancouver, Canada, on May 3rd, 2016.

Dr. Wang was also chosen by the WFO to chair the scientific session: Home Environment and Influences of the Wider Environment at the ICO on May 2nd, 2016.

DR YOUFA WANG WAS INVITED TO PRESENT AT THE 2016 INTERNATIONAL PEDIATRIC ASSOCIATION (IPA) CONGRESS

Dr. Wang will return to Vancouver in August 2016 to give an invited talk at the International Pediatric Association (IPA) Congress.



DR. WANG AND TEAM PRESENTED AT THE EXPERIMENTAL BIOLOGY (EB) ANNUAL MEETING & THE NORTH AMERICA CHINESE SOCIETY OF NUTRITION SCIENTIFIC SYMPOSIUM IN SAN DIEGO APRIL 2016

The North America Chinese Society of Nutrition, for which Dr. Youfa Wang is the President, organized the International China Forum during the EB meeting and held the North America Chinese Society of Nutrition Scientific Symposium in San Diego. About 220 people attended the China Forum during EB and 100 attended the first symposium. A number of the American Society of Nutrition and Chinese Society of Nutrition senior leaders, such as the ASN President and the CNS Vice President attended the events.



Dr Youfa Wang (right) issuing a Certificate of Appreciation to Dr. Parick J. Stover (left), President of the American Society for Nutrition (ASN), on behalf of NACSN for his outstanding contribution, support, and collaboration with the North America Chinese Society for Nutrition (NACSN). Including, the support of some of the NACSN members' participation in the 2016 Experimental Biology Meeting.

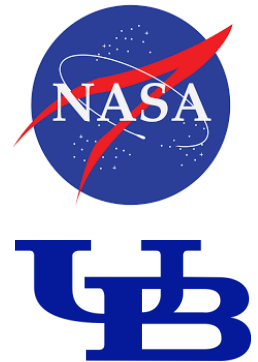
DR. HONG XUE RECEIVED A TRAVEL AWARD FROM THE NORTH AMERICA CHINESE SOCIETY OF NUTRITION AND THE AMERICAN SOCIETY FOR NUTRITION

Dr. Hong Xue was awarded the North America Chinese Society of Nutrition and the American Society of Nutrition Travel Award. He was one of two junior faculty members selected for the award at EB and the NACSN Scientific Symposium in 2016.



NEW PROJECTS IN ASIA AS PART OF THE SYSTEMS-ORIENTED GLOBAL CHILDHOOD OBESITY INTERVENTION PROGRAM (SGCOIP) AND NASA COLLABORATION

Dr. Youfa Wang and team members in Taiwan and South Korea initiated new intervention projects in collaboration with NASA on global childhood obesity prevention in 2016. The international partners recently received new funding from the Ministry of Education in South Korea and the Ministry of Science and Technology in Taiwan to support the projects.



The South Korea Project and Team

Dr. Gilsook Kim, Associate Research Fellow of the Korea Institute of Child Care and Education and Dr. Hyunjung Lim, Assistant Professor at Kyung-Hee University are the PI and the collaborator of the South Korea project. 772 children aged four and five have been recruited and separated into an intervention or control group. The intervention is delivered three times per week for ten weeks utilizing eight physical activity modules and 16 education modules that were developed from the NASA Train Like an Astronaut: Mission X curriculum. The teams are collecting pre-and-post -test data, which includes child weight and height measurements as well as parental and teacher reports on the children's behavior and knowledge changes over the intervention period.



The Taiwan Project and Team

Dr. Hsinjen Chen, Assistant Professor at National Yang-Ming University and Dr. Hsing-Yu Yang, Assistant professor of Mackay Medical College are the co- PI's of the Taiwan project. Four intervention schools and four control schools have been recruited and 320 children aged eight and nine are projected to participate. Recruitment, intervention, and pre-and-post data collection will take place from September 17th, 2016 through February 17th, 2017. The intervention will last eight weeks. Data will be collected on child weight and height measurements, as well as self-reported behavior and knowledge changes.

DR. MARGARITA TERAN-GARCIA, ASSISTANT PROFESSOR AT THE UNIVERSITY OF ILLINOIS-URBANA CHAMPAIGN, VISITS THE SGCOIP AT UB AND GIVES TWO SEMINARS



Dr. Teran-Garcia (middle) with Dr. Hong Xue (left) and Dr. Youfa Wang (right) in Farber Hall

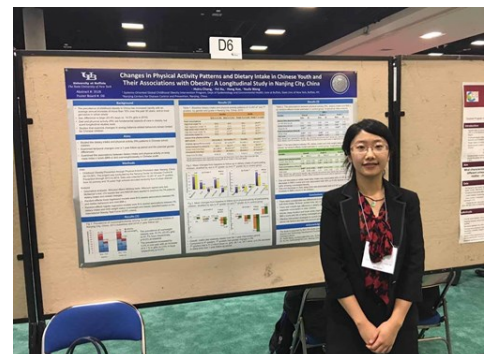
Dr. Teran-Garcia visited the SGCOIP at UB on April 26th. She gave two seminars: “Obesity prevention programs: international collaboration to reduce health disparities” and “Child well-being and obesity: current and future research directions.” Dr. Teran-Garcia received her medical degree from the National Autonomous University in Mexico City. She then went on to complete her PhD at UT Austin in Metabolism and Nutrient-gene interactions. In August 2008, she joined the faculty of Food Science & Human Nutrition as Assistant Professor in Nutrition of the University of Illinois-Urbana Champaign. Dr. Teran-Garcia introduced foundations of her research background in genetics and childhood obesity as well as the strategies employed by her ongoing project *Abreiendo Caminos*, which targets health disparities among Hispanic populations in the US. She also discussed her international project *UP amigos*, based in Mexico. Dr. Teran-Garcia’s visit provided great insight and inspiration to Dr. Wang’s Obesity Epidemiology students and the SGCOIP research team.

THE SGCOIP TEAM GAVE MULTIPLE ORAL AND POSTER PRESENTATIONS AT THE EXPERIMENTAL BIOLOGY CONFERENCE, APR 1-6, SAN DIEGO

1. Y Wang, J Min, J Khuri, M Li. Systematic Examination of the Association between Parental and Child Obesity: Systematic Review and Meta-Analysis.
2. M Li, H Xue, J Min, M Wen, W Wang, Y Wang. Energy Balance-related School Environment/Policy Factors and Childhood Obesity in China: A National Study of 19,487 Students from 112 Middle Schools.
3. M Li, H Xue, J Min, Y Wang. Parental Expectations and Sedentary Behaviors among Chinese Children: A National Study of 15,736 students from 112 Middle Schools.
4. Z Tan, M Wen, W Wang, H Xue, J Min, Y Wang. Parenting Behaviors and Weight Status of Junior High School Students in China.
5. H Xue, J Zhang, Y Wang. A China-USA Comparative Study of Peer Influence on Childhood Obesity and Eating Behavior: Social Network Analysis and Agent Based Modeling (ABM).
6. H Chang, F Xu, H Xue, Y Wang. Changes in Physical Activity Patterns and Dietary Intake in Chinese Youth and their Associations with Obesity: A Longitudinal Study in Nanjing City, China. (Huiru Chang is pictured right with her poster)



Congratulations to Zhengqi Tan, MPH student, & Huiru Chang, MS student. They were each awarded the GSA Travel Award, by the Graduate Student Association of SUNY Buffalo.



SELECTED PUBLICATIONS FROM DR. WANG'S TEAM SINCE JAN 2016, INCLUDING PUBLICATIONS IN TOP JOURNALS, SUCH AS, AMERICAN JOURNAL OF HYPERTENSION AND JOURNAL OF PEDIATRIC OBESITY

1. Xi B, Zhang T, Zhang M, Liu F, Zong X, Zhao M, Wang Y. Trends in Elevated Blood Pressure Among US Children and Adolescents: 1999-2012. *American Journal of Hypertension*. 2016 Feb;29(2):217-25.
2. Chen HJ, Xue H, Kumanyika S, Wang Y. School beverage environment and children's energy expenditure associated with physical education class: an agent-based model simulation. *Pediatric Obesity*. 2016 Apr 20.
3. Xie C, Wang Y, Li X, and Wen X. Childhood Growth Trajectories of Etiological Subgroups of Large for Gestational Age Newborns. *Journal of Pediatrics*. 2016;170:60-66.
4. Chen HJ, Wang Y. Changes in the Neighborhood Food Store Environment and Children's Body Mass Index at Peri-puberty in the United States. *Journal of Adolescent Health*. 2016;58(1):111-8.
5. Liu S, Osgood N, Xue H, Wang Y. Systems Simulation Model for Assessing the Sustainability and Synergistic Impacts of Sugar-sweetened Beverages Tax and Revenue Recycling on Childhood Obesity Prevention, *Journal of the Operational Research Society*. 2016; 67: 708–721.
6. Li M, Xue H, Min J, Wen M, Wang W, Wang Y. Nutrition and Physical Activity Related School Environment/Policy Factors and Child Obesity in China: A Nationally Representative Study of 8,573 Students in 110 Middle Schools. *Pediatric Obesity*. In Press.
7. Chen HJ, Wang Y, Cheskin L. Relationship between frequency of eating and cardiovascular disease mortality in U.S. adults: the NHANES III follow-up study. *Annals of Epidemiology*. In press.

THE SGCOIP TEAM 2016 GRADUATES

Congratulations to our graduates!

Huiru Chang received her Master in Nutrition and successfully defended her thesis entitled, “Changes in Physical Activity Patterns and Dietary Intake in Chinese Youth and their Associations with Obesity: A Longitudinal Study in Nanjing City, China.”

Kelseanna Hollis-Hansen received her Master in Public Health in the Department of Community Health and Health Behavior with the presentation of her integrative project titled, “PlanetFit Kids: Promoting Lifestyle and Nutrition Education: Teaching Families (through) Interactive Technology.”

Zhengqi Tan was granted his Master in Public Health in the Department of Epidemiology and Environmental Health. He successfully defended his thesis entitled “Parenting Practices and Weight Status in Junior High School Students in China.”



The SGCOIP team celebratory party for the graduates

To learn more, visit our website:

<http://sphhp.buffalo.edu/childhoodobesity.html>

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