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OVERVIEW
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EDUCATIONAL OBJECTIVES
Upon completion of this activity, participants should be able to:
• Identify the basic mechanisms of insulin signaling pathways that drive insulin resistance/energy balance and body composition;
• Describe the current state of magnetic resonance imaging and spectroscopy methods for assessing obesity and metabolic disorders, including applications in body adiposity, organ fat, and muscle fat;
• List recent advances in MRI and MRS technology, including water-fat MRI and X-nuclei methods, for studying obesity and metabolic disorders;
• Describe the imaging applications and of obesity and metabolic disorders in fetal, pediatric, and adult populations;
• Summarize the current multi-parametric imaging of white and brown adipose tissue; and much more.

TARGET AUDIENCE
The program will be designed for both senior investigators and junior scientists. The organizing committee will also emphasize attendance by student members of ISMRM and engage the Asian research community.

ORGANIZING COMMITTEE
Committee Co-Chairs: Houchun Harry Hu, Ph.D. • Sambasivam Sendhil Velan, Ph.D.
Committee: Rosa Tamara Branca, Ph.D. • Diego Hernando, Ph.D. • Dimitrios Karampinos, Ph.D. • Jürgen Machann, Ph.D. • Charles McKenzie, Ph.D. • Holden Wu, Ph.D. • Takeshi Yokoo, M.D., Ph.D.
Local Organizing Committee: Patrick Cozzone, Ph.D., M.B.A. • Venkatesh Gopalan, Ph.D. • Kuan Jin Lee, Ph.D. • C.C. Thoyoson Lim, M.D., MBBS, FRCR • Bhanu Prakash KN, Ph.D. • Suresh Anand Sadananthan, Ph.D. • Jadegoud Yaligar, Ph.D. • Trainee Observers: Navin Michael, Ph.D. • Sanjay Kumar Verma, Ph.D.

For More Information Including Housing & Registration, Please Visit: www.ismrm.org or Call + 1 510 841 1899
This workshop does not offer CME credits.