



Patrick Bolan, Ph.D., from the University of Minnesota, spoke on his advances with "In Vivo MR Spectroscopy of Breast Cancer."



Arnaud Comment, Ph.D., from Ecole Polytechnique Federale de Lausanne, Switzerland, shared his research updates on "How to Polarize."



Simon Duckett, Ph.D., from the University of York, United Kingdom, reviewed "Recent Advances in Polarization Methods."



Dominique Jennings, Ph.D., from Massachusetts General Hospital, lectured on the “Design of MR and PET Agents Targeting Cancer Metabolism.”



Peter Gillies, Ph.D., from the Moffitt Cancer Institute, discussed his new research concepts on “Pathogenesis of Cancer and Metastasis: Survival of the Fittest.”



Carolyn Mountford, Ph.D., Bingham and Women's Hospital, Boston, shared an "Overview of Cancer Metabolomics by Magnetic Resonance."



Sarah Nelson, Ph.D., from the University of California, San Francisco, discussed recent research findings on "MR Metabolic Imaging of Brain Cancer."



Daniel Vigneron, Ph.D., from the University of California, San Francisco, shared research updates on "MR Metabolic Imaging of Prostate & Liver Cancer."





Dr. Bolan, of Minnesota, and the symposium host Craig Malloy, M.D., Professor and Medical Director of the Advanced Imaging Research Center at UTSWMC, exchange ideas during a break.



Matthew Merritt, Ph.D., Associate Professor in AIRC at UTSWMC and Mathilde Lerche, Ph.D, with Albeda Research, Denmark, exchange ideas during a break. Dr. Merritt's discussion addressed "What is Hyperpolarization". Dr. Lerche's lecture reviewed her advances in "Tailored Probes for Specific Pathways."



Ali Hooshyar, Ph.D., from the University of Dallas, Richardson, and Dean Sherry, Ph.D., Professor and Director of the Advanced Imaging Research Center, catch up on a break. Dr. Sherry's discussion reviewed "The Basics" of NMR.



David Mankoff, M.D., Ph.D., from the University of Washington, discussed the “Prognostic Value of Measuring Perfusions and Metabolism.”



Ralph DeBerardinis, M.D., at UTSWMC, spoke on his findings of “Cancer Therapy Based on Integrated Understanding of Cancer Genetics and Metabolism.”



Karlos Moreno, Ph.D., at UTSWMC, reviewed his current metabolic tracer research on “The Heart.”



Shawn Burgess, PH.D., at UTSWMC, discussed “Isotopomer Analysis for Complex Networks.” Santhosh Satapati, M.S., at UTSWMC, elaborated on spectroscopy research with “More Examples” on stable isotope tracer techniques. Isaac Marin-Valencia, M.D., at UTSWMC, discussed spectroscopy in “The Brain.”



Xiankai Sun, Ph.D., at UTSWMC, discussed “PET for Understanding Cancer Biology.”