

INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE Twelfth Scientific Meeting and Exhibit

15-21 MAY 2004

KYOTO INTERNATIONAL CONFERENCE HALL, KYOTO, JAPAN

Poster Award Winners

Pulse Sequences/Other

Honorable Mention **¹H Single and Double Quantum MRI Evaluation of Tendon Regeneration Mediated by Engineered**
Program No. 2342 Keren Keinan-Adamsky¹, Hadassah Shinar¹, Gadi Pelled², Yoram Zilberman², Dan Gazit², Gil Navon¹
¹Tel Aviv University, Tel Aviv, Israel; ²Hebrew University-Hadassah Medical Center, Jerusalem, Israel

Body/Cardiac Imaging

1st Place **Phosphorylated Guanidinoacetate in muscle of GAMT deficient mice only partly compensates for**
Program No. 795 **by 31P MRS and functional measurements**
Hermien E. Kan¹, W Klaas Jan Renema¹, Arnold de Haan², Dirk Isbrandt³, Arend Heerschap¹
¹University Medical Center St Radboud, Nijmegen, Netherlands; ²Vrije Universiteit, Amsterdam, Netherlands
Hamburg, Hamburg, Germany

2nd Place **Complete Assessment of LV and RV Function and Volume in a Single Breathold Using Real-Time,**
Program No. 1954 **State Free Precession**
Girish Narayan¹, Krishna Nayak¹, John Pauly¹, Bob Hu¹
¹Stanford University, Palo Alto, California, USA

3rd Place **Respiratory Self-Gating for Free-Breathing Segmented Cine MRI**
Program No. 1955 Andrew Christian Larson¹, Peter Kellman¹, Andrew Arai¹, Glenn A. Hirsch¹, Elliot McVeigh¹, Orlando Sim¹
¹LCE, NHLBI, NIH, Bethesda, Maryland, USA; ²Siemens Medical Solutions, Chicago, Illinois, USA

Neuroimaging

1st Place **Grey matter abnormalities before the onset of psychosis: An automated MR image analysis**
Program No. 1311 Bridget Soulsby¹, Paola Dazzan², Xavier Chitnis², Stephen J. Wood¹, John Suckling³, Philip K. McGuire²,
McGorry¹, Robin M. Murray², Dennis Velakoulis¹, Lisa J. Phillips¹, Alison R. Yung¹, Christos Pantelis¹
¹University of Melbourne, Melbourne, Victoria, Australia; ²Institute of Psychiatry, London, UK; ³University
Cambridge, UK

2nd Place **Sodium MRI of Reversible Focal Brain Ischemia in the Monkey**
Program No. 1695 G. C. LaVerde¹, F. E. Boada¹, D. Davis², E. Nemoto², C A. Jungreis²
¹University of Pittsburgh, Pittsburgh, Pennsylvania, USA; ²University of Pittsburgh Medical Center, Pittsbu
USA

3rd Place **Combined Voxel-based analysis of volume and T2-relaxometry in temporal lobe epilepsy**
Program No. 1299 Gaby Simon Pell¹, Regula Sofia Briellmann¹, Anthony B. Waites¹, David Fenton Abbott¹, Patrick CH Chai
Jackson²
¹Brain Research Institute, Heidelberg West, Victoria, Australia; ²Brain Reseach Institute, Heidelberg West

Honorable Mention **Combined correction for geometric distortion and its interaction with head movement in fMRI**
Program No. 1084 Chloe Hutton¹, Ralf Deichmann¹, Robert Turner¹, Jesper Andersson²
¹UCL, London, UK; ²Karolinska Institute, Stockholm, Sweden

Honorable Mention **Post-Surgical Failure after Temporal Lobectomy is Associated with Increased Medial Temporal Lo**
Program No. 1298 Simon Keller¹, Christine Denby¹, Udo Wiesmann², Neil Roberts¹
¹University of Liverpool, Liverpool, Merseyside, UK; ²The Walton Centre for Neurology and Neurosurgery
Merseyside, UK

Hardware/EMF

- 1st Place**
Program No. 1691 **Liquid Hyperpolarized Xenon Production by Phase Exchange**
Steven W. Morgan¹, Tining Su¹, Gary L. Samuelson¹, Gernot Laicher¹, Brian Saam¹
¹University of Utah, Salt Lake City, Utah, USA
- 2nd Place**
Program No. 1548 **An Elevated Endring Birdcage Coil for Improved Performance at 3 Tesla**
Daniel Weyers¹, David Keren¹, Eddy Boskamp¹, Graeme McKinnon¹, Kevin Kinsey¹
¹GE Medical Systems, Waukesha, Wisconsin, USA
- 3rd Place**
Program No. 1583 **Conductor Losses in Many Channel RF Coil Arrays**
Randy Duensing¹, James Akao¹, Charles Saylor¹, David Molyneaux¹
¹MRI Devices, Gainesville, Florida, USA
- Honorable Mention**
Program No. 1662 **Wave Behavior in Phantoms at 11.1 Tesla**
Barbara L. Beck¹, Kelly A. Jenkins¹, Jeffrey R. Fitzsimmons¹
¹University of Florida, Gainesville, Florida, USA
- Honorable Mention**
Program No. 1624 **An RF Shield Comparative Study of Different Materials and Types**
Daniel Weyers¹, Qin Liu¹
¹GE Medical Systems, Waukesha, Wisconsin, USA
- Honorable Mention**
Program No. 1599 **Investigating Tissue-Coil Interactions of an 8-elements Transmit/Receive Torso Phased Array Coil**
Bing Keong Li¹, Feng Liu¹, Ian Gregg¹, Nicholas Shuley¹, Stuart Crozier¹, Graham Galloway¹
¹University of Queensland, Brisbane, Qld, Australia
- Honorable Mention**
Program No. 1562 **A New Microstrip Resonator Coil for Imaging Rhesus Monkeys**
Gene Bogdanov¹, Mathew Brevard², Timothy Fisher¹, Craig Ferris², Reinhold Ludwig¹
¹Worcester Polytechnic Institute, Worcester, Massachusetts, USA; ²University of Massachusetts Medical Massachusetts, USA

Cancer/Spectroscopy

- 1st Place**
Program No. 2000 **The anti-angiogenic drug, SU11657, decreases brain tumor size and normalizes perfusion as indicated by perfusion parameters**
Christopher Chad Quarles¹, Scott D. Rand¹, Hendrikus G.J. Krouwer¹, Kathleen M. Schmainda¹
¹Medical College of Wisconsin, Milwaukee, Wisconsin, USA
- 2nd Place**
Program No. 2007 **Changes in the tumor microenvironment early after treatment with the anti-angiogenic agent thalidomide**
Réginald Ansiaux¹, Christine Baudalet¹, Bénédicte Jordan¹, Nelson Beghein¹, Olivier Feron¹, Vincent Gré Gallez¹
¹Catholic University of Louvain, Brussels, Belgium
- 3rd Place**
Program No. 923 **Association between Hepatic Fat Accumulation and Hepatic Glucose Metabolism in Type 2 Diabetes**
Martin Krssak¹, Attila Brehm¹, Elisabeth Bernroider¹, Peter Nowotny¹, Gary W. Cline², Gerald I. Shulman¹, Michael Roden¹
¹Medical University of Vienna, Wien, Austria; ²Yale University, New Haven, Connecticut, USA