

STUDY GROUP SESSION

Title: X-Nuclei Imaging

Day: Thursday, 27 April 2017

Time: 08:15-10:15

Room #: Rm 317AB

Study Group Chair, Keith R. Thulborn, M.D., Ph.D.; Vice Chair, Christian Beaulieu, Ph.D.; Secretary, Fernando E. Boada, Ph.D.;

Committee: Past Chair, Claudia Wheeler-Kingshott, Ph.D.; Trainee Representative, Manuela B. Rösler, Dr. rer. nat.

2017-2018 Incoming Committee : Secretary, Armin Michael Nagel, Dr.Rer.Nat.; Trainee Representative, Nicolas Behl, Ph.D.

Overview: Magnetic resonance imaging of x-nuclei *in vivo* is emerging with new methods, applications, and the proliferation of high field broadband MRI clinical scanners. The first ever X-nuclei MRI workshop will be discussed. Then an overview will be provided of various X-nuclei MRI including the peculiarities of acquisition *in vivo* and the demonstrated and potential applications.

8:15	Introduction - Welcome & Business Meeting	Keith R. Thulborn, M.D., Ph.D. University of Illinois at Chicago, CMRR, USA
8:45	Oxygen-17 MRI: From Basic Principles to Tissue Oxygenation	Michael Bock, Ph.D. University Hospital Freiburg, Germany
9:15	Poster Session	
10:10	Closing Remarks	Keith R. Thulborn, M.D., Ph.D. University of Illinois at Chicago, CMRR, USA
10:15	Adjournment	