

STUDY GROUP SESSION

Title: Hyperpolarisation Methods & Equipment

Day: Wednesday, 11 May, 2016

Time: 10:00-12:00

Room #: Hall 406 D

Study Group Chair, Shawn R. Wagner, Ph.D.; Vice-Chair, Partip K. Bhattacharya, Ph.D.; Secretary, Jan-Bernd Hövener, Ph.D.;

Committee: 2016-2017 Incoming Committee: Secretary, Thomas Theis, Ph.D.; Trainee Representative, James T. Grist, B.Sc.

Overview: The program this year will focus on providing education in advancements made in hyperpolarization methods by junior members. Presentations will provide an insight into how hyperpolarization imaging methods imaging can be used to further detect and characterize disease.

10:00	Introduction - Welcome	Shawn R. Wagner, Ph.D. Ceders-Sinai Medical Center, USA
10:03	Buisness Meeting	Jan-Bernd Hövener, Ph.D. University Medical Center of Freiburg, Germany
10:05	Para-Hydrogen Induced Polarization: Advances in Amino Acid Polarization & Hyperpolarization	Stefan Glöggler, Ph.D. University of Southampton, United Kingdom
10:20	Invited Talk	TBA
10:35	Introduction of Student Talks	Pratip K. Bhattacharya, Ph.D. UT MD Anderson Cancer Ctr., USA
	Invited Student Presenters	
10:38	<i>Dynamic Nuclear Polarization of Biocompatible ¹³C-Enriched Carbonates for In Vivo pH Imaging</i>	David E. Korenchan, B.Sc. University of California, San Francisco, USA
10:45	<i>Detection of Inflammatory Cell Function using ¹³C MRS of Hyperpolarized ¹³C-Labeled Arginine</i>	Chloé F. Najac, Ph.D. University of California, San Francisco, USA
10:52	<i>Maternal-Fetal Exchanges Characterized by Dynamic Hyperpolarized ¹³C Imaging on Pregnant Rats</i>	Anne Fages, Ph.D. Weizmann Institute of Science, Israel
10:59	<i>Metabolic Imaging of Energy Metabolism in Traumatic Brain Injury using Hyperpolarized [¹⁻¹³C]Pyruvate</i>	Stephen J. DeVience, Ph.D. University of Maryland, Baltimore, USA
11:06	<i>¹²⁹Xe Pulmonary Gas Exchange Spectroscopy in Idiopathic Pulmonary Fibrosis</i>	Scott H. Robertson, M.Sc. Duke University, USA
11:13	<i>Hyperpolarized ¹³C-Urea MRI for the Assessment of the Urea Gradient in the Porcine Kidney</i>	Esben S. Hansen, M.Sc. Aarhus University, Denmark
11:14	Break	
11:20	Electronic & Traditional Poster Presentations	
11:50	Accounouncement of Award for Electronic & Traditional Posters	Shawn R. Wagner, Ph.D. Ceders-Sinai Medical Center, USA
12:00	Adjournment	

Atten Attendees:

For the most current information or to add the agenda to your to your calendar, click here:

[Most current information is available at http://www.hyperpolarizationstudygroup.com/Session%20Program.html](http://www.hyperpolarizationstudygroup.com/Session%20Program.html)