ORGANIZING COMMITTEE

Assaf Tal, Weizmann Intitute of Science Tali Scherf, Weizmann Intitute of Science

MORE INFORMATION

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tinyurl.com/IMRM2016



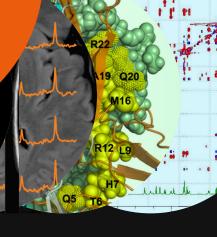
The Chorafas Institute for Scientific Exchange

The Helen and Milton A. Kimmelman Center for Biomolecular Structure and Assembly



THE ISRAELI 2016 **MAGNETIC RESONANCE MEETING**

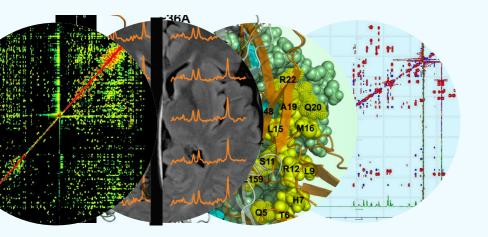
IN HONOR OF **JACOB ANGLISTER'S** 65[™] BIRTHDAY



June 21-22, 2016

The David Lopatie Conference Centre Weizmann Institute of Science

PROGRAM



DAY 1 - TUESDAY 21 JUNE

FROM SPIN TO STRUCTURE	
9.30 – 9.35	Greetings Gilad Haran, Dean, Faculty of Chemistry, Weizmann Institute of Science
9.35 – 9.55	Opening remarks Tali Scherf, Weizmann Institute of Science
9.55 – 10.25	Use of peptide surrogates to study GPCRs and HIV-1 structural biology Fred Naider, CUNY
10.25 – 11.10	NMR: Why bother? Lewis Kay, University of Toronto
11.10 – 11.30	COFFEE BREAK

STUDYING PROTEIN DYNAMICS AND MEMBRANE INTERACTIONS

11.30 – 12.00	from protein NMR Jordan Chill, Bar Ilan University
12.00 – 12.45	Protein dynamics in solution and membranes: applications to immune response and neurodegeneration Christian Griesinger, Max Planck Institute
12 //5 _ 13 //5	HINCH RDEAK

ELUCIDATING MOLECULAR STRUCTURE WITH MAGNETIC RESONANCE

13.45 – 14.15	Molecular recognition and dynamics of protein complexes in solution Michael Sattler, TUM & Helmholtz Center, Munich
14.15 – 14.45	CEST NMR based approach for mapping the conformation of a client protein through the Hsp70 functional cycle Rina Rosenzweig, Weizmann Institute of Science
14.45 – 15.15	Molecular structure from MAS NMR: The small (a single spin pair) and the large (a single virus) Amir Goldbourt, Tel Aviv University
15.15 – 15.35	COFFEE BREAK

PERSPECTIVES ON MR AND STRUCTURAL BIOLOGY

15.35 – 16.05	NMR: A tool for biology Muriel Delepierre, Institut Pasteur
16.05 – 16.35	Antibody modeling now and then Michael Levitt, Stanford
16.35	Concluding remarks Jacob Anglister, Weizmann Institute of Science

DAY 2 - WEDNESDAY 22 JUNE

MAGNETIC RESONANCE IN THE SOLID STATE

MACNETIC RESONANCE IN THE SOLID STATE	
9.30 – 9.40	Opening remarks Assaf Tal, Weizmann Institute of Science
9.40 – 10.10	Low temperature (100 Kelvin) CPMAS NMR studies on the symmetry change of Platonic-Solid geometry crystalline cubane and dodecahedrane Robert Glaser, Ben-Gurion University
10.10 – 10.40	Biominerals interfaces and mesoporous materials surfaces: connecting molecular view with function Asher Schmidt, Technion
10.40 – 11.10	Probing the electrode-electrolyte interface in rechargeable batteries by solid state NMR Michal Leskes, Weizmann Institute of Science
11.10 – 11.30	COFFEE BREAK

MAGNETIC RESONANCE IMAGING: PROBING PHYSIOLOGY11.30 – 12.00Compact self-contained ESR probeheads as new clinical tools
Aharon Blank, Technion12.00 – 12.30Lessons on neuronal physiology from diffusion
weighted NMR
Uri Nevo, Tel Aviv University12.30 – 13.00Quantitative MRI for human white matter: What can we add
to diffusion imaging?
Aviv Mezer, The Hebrew University of Jerusalem13.00 – 14.00LUNCH BREAK

CONTRAST MECHANISMS AND MOLECULAR IMAGING

14.00 – 14.30	Host-guest molecular systems as platforms for 19F molecular MR imaging Amnon Bar-Shir, Weizmann Institute of Science
14.30 – 15.00	Hyperpolarized MRI - a pathway to metabolic imaging Rachel Katz-Brull, Hadassa-Hebrew University Medical Center
15.00 – 15.20	COFFEE BREAK

MAGNETIC RESONANCE IN THE LIQUID STATE

15.20 – 15.50	Reichardt's dye: the NMR story of the solvatochromic betaine dye Hugo Gottlieb, Bar Ilan University
15.50 – 16.20	Copper homeostasis in bacteria cells – exploring cellular metal transfer pathways and mechanisms Sharon Ruthstein, Bar Ilan University
16.20 – 16.50	Exploiting heteronuclear magnetisation transfer phenomena in solution-phase hyperpolarised NMR Lucio Frydman, Weizmann Institute of Science
16.50	Concluding remarks