# THE FUTURE OF MOLECULAR MR

## A Cellular and Molecular Imaging Workshop
### Pasadena, CA USA• July 23-26, 2022

## OBJECTIVES

- To establish the current state of the art in molecular MR and pinpoint knowledge gaps.
- To identify adjacent technologies that can be combined with molecular MR imaging to create more accurate, more sensitive, faster, and/or more quantitative methods.
- To bring leaders from different fields to challenge the orthodoxy and identify new opportunities in molecular MR.

## PROGRAM OVERVIEW

- The program will consist of one keynote lecture, oral sessions, and poster sessions.
- Oral session dedicated exclusively to young investigators.
- Invited speakers to address key challenges and ask provocative questions.
- Discussion panel each day to consider open challenges and future opportunities.

## SCIENTIFIC SESSIONS

Nanomaterials for MRI          Responsive probes
Reporter genes          Imaging metabolism
Hyperpolarized MRI          Heteronuclear reporters

## ORGANIZING COMMITTEE

**Co-Chair: Mikhail Shapiro, Ph.D.**
California Institute of Technology, USA

**Co-Chair: Peter Caravan, Ph.D.**
Massachusetts General Hospital
Harvard Medical School, USA

**Ichio Aoki, Ph.D.**
National Institute of Radiological Sciences, Japan

**Kevin Brindle, Ph.D.**
University of Cambridge, UK

**Paula Foster, Ph.D.**
Robarts Research Institute, Canada

**Michael McMahon, Ph.D.**
Johns Hopkins University School of Medicine, USA

**Janet Morrow, Ph.D.**
University at Buffalo, USA

**Eva Toth, Ph.D.**
CNRS, Orléans, France

## KEYNOTE SPEAKER

**Heike Daldrup-Link, M.D, Ph.D.**
Stanford University, USA

## INVITED SPEAKERS

**Eric Ahrens, Ph.D.**
University of California San Diego, USA

**Thomas Meade, Ph.D.**
Northwestern University, USA

**Rosa Tamara Branca, Ph.D.**
University of North Carolina at Chapel Hill, USA

**Gil Westmeyer , Ph.D.**
Technical University of Munich, Germany

**Arnab Mukherjee, Ph.D.**
University of California Santa Barbara, USA

**Thomas Theis, Ph.D.**
North Carolina State University, USA

**Emily Que, Ph.D.**
University of Texas at Austin, USA

**Veronica Clavijo Jordan, Ph.D.**
Massachusetts General Hospital
Harvard Medical School, USA

**Amnon Bar-Shir, Ph.D.**
Weizmann Institute of Science, Israel

**Jenny Yang, Ph.D.**
Georgia State University, USA

**Kazuya Kikuchi, Ph.D.**
Osaka University, Japan

FOR MORE INFORMATION INCLUDING REGISTRATION, ABSTRACT SUBMISSION, VENUE, AND TOURISM, PLEASE VISIT:

www.molecularMR.org