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Translational Research, Adiposopathy, Technology for Diabetes & Metabolic Diseases

6th - 9th Aug 2026 J N Tata Auditorium, IISc Campus, Bengaluru



in association with



ORGANISING COMMITTEE



Dr. Aravind Sosale
Organising Chairman



Dr. Sanjay Reddy
Organising Secretary



Dr. Rohit N. Kulkarni
Scientific Chairman



Dr. Krishna G. Seshadri
Scientific Co-Chairman



Dr. Deepak K. Saini
Organising Chariman (IISc)



Dr. Nikhil R. Gandasi
Organising Secretary (IISc)



Dr. Bhavana Sosale
Scientific Co-ordinator

ADVISORS



Dr. Prasanna Kumar K M



Dr. Mohan V



Dr. Navakanta Bhat

ESTEEMED CONFIRMED SPEAKER



DR. RALPH DEFONZO

expect more shortly



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CONFERENCE INVITATION

TREAT - DM (CURE TRUST) and RISE (Longevity India) join forces to convene researchers, clinicians, and industry leaders exploring the science of ageing and metabolic disease. Expect cutting-edge talks, translational workshops, and collaborative networks. This is a unique collaborative meeting focused on metabolic health and the future of healthcare research.

Over four days, researchers, clinicians, industry leaders, innovators, and early-career scientists will come together to explore some of the biggest questions in aging, diabetes, and metabolic disease. A common platform for Translational Research, Basic Science, biomarkers, preventative care, clinical practice, therapeutics, digital health, and technologies shaping the future of metabolic health, that has never been attempted before.

With Orations, keynote talks, panel discussions, Plenary, Debates, translational workshops, poster & Oral presentations, and conversations that connect laboratory research with real-world healthcare challenges. By bringing together experts across disciplines, the joint meeting aims to encourage collaborations that move science closer to meaningful impact for patients and communities. Patient & caregiver perspectives panels will also make our efforts more meaningful.

Conference also will be having early-career researcher awards for Scientists and Clinicians. Industry showcase will include therapeutics, diagnostics, digital health & more.

This conference shows path for Bridging basic science with clinical practice for metabolic and age-related diseases. In short “longevity research meets metabolic medicine”.

Be part of a collaborative space for ideas, evidence, and action.

Kindly revert back with your Interest in participation.

Dr. Aravind Sosale
Organising Chairman

Dr. Sanjay Reddy
Organising Secretary

Dr. Rohit N. Kulkarni
Scientific Chairman
(Basic Science)

Dr. Krishna G. Seshadri
Scientific Co-Chairman
(Translational & Clinical Science)

Dr. Bhavana Sosale
Scientific Co-ordinator

Conference Secretariat: Diacon Hospital
#359-360, 19th Main, 1st Block, Rajajinagar,
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www.treatdm.com

CURE TRUST Bank Details:
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TENTATIVE SCIENTIFIC AGENDA

RISE - 6th August 2026

Opening of RISE 2026 and Welcome Address
BHARAT Study: Understanding Aging in the Indian Population
Keynote
Cellular Senescence Biomarkers: p16, SASP and Beyond
Epigenetic Clocks in Practice: Biological Age Tracking
What Can We Measure? Action-Inducible Diagnostics for Aging
Technology Presentation
Organ-Specific Aging Clocks and Biology
Glycomics & Multi-Organ Clocks: Commercial Platforms for Aging
Fix Local or Global? Systemic vs. Organ Specific Interventions
Technology Presentation
Senescence, Neuroinflammation and the Aging Brain
Brain vs. Blood Biomarkers
Novel Supplement Formulations for Neurological Aging
Dementia in the Global South – 10 million Indians, Almost No Infrastructure
Technology Presentation + Student Flash Talks
Poster Session & Evening Networking



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RISE - 7th August 2026

What Affects Metabolism
Keynote: Insulin Resistance and Metabolism
The Thin-Fat Nation Rewriting Global Metabolic Standards from Indian Data
Ovarian Aging as a Systemic Pacemaker: HPG Axis Decline & Cardiometabolic Consequences
Precision HRT, Ovarian Biology Platforms & the Femtech Landscape
Menopause and Metabolism
Technology Presentation
Gut Aging Biology
Supplementation for Metabolic Optimisation
Traditional to Modern Approaches – Natural Interventions to GLP-1s
Technology Presentation
The Macroeconomics of Aging in India
Aging in Place – Age-Tech, Cities & Infrastructure
Perspectives from RISE 2026
From Rhetoric to Roadmap – National Geroscience Strategy Before 2030
Oration, Keynote Address and Honor Lectures from Treat DM Begins



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Treat-DM Basic Science Talks - 8th & 9th August 2026

Islet Cell Biology and Insulin Secretion Dynamics
Inflammation Pathways in Pancreatic Dysfunction
AI-Driven Drug Discovery for T1DM/T2DM
Microbiome Interventions in Metabolic Disease
Cell-Based Therapies and Regeneration Strategies
GLP-1RA Pharmacogenomics and Response Predictors
Beta-Cell Receptors and Ion Channels as Therapeutics
ER Stress and Proteostasis in Islet Failure
iPSC-Derived Islets for Drug Testing
Precision Endocrinology: Biomarkers and Stratification
Genetics and Multi-Omics in Diabetes Risk
Emerging Techniques to assess physiology
Next-Gen Therapies for Obesity and T2DM
Precision Medicine and Clinical Trials
From Bench to Public Health Impact



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Treat-DM Translational Talks - 8th & 9th August 2026

Tirzepatide is a weaker agonist at the GLP1R than semaglutide - Why does it cause greater weight and glucose reductions?

How do NUSH therapies manipulate the reward system

Thyroid hormone receptors and metabolism

The molecular and metabolic basis of skeletal muscle hypertrophy

The Microbiome Clock Gut Endocrine Connection

Re-examining the role of Apo B in atherosclerosis

Mitochondrial dysfunction in diabetes

What can MODY teach us about the pathophysiology of diabetes

Is fat location more important than the amount of fat?

Obesity and human reproduction

Transgenerational imprinting of obesity: Biology and mechanisms

What are the markers of health and longevity



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Treat-DM Clinical Talks - 8th & 9th August 2026

Small molecule therapy and biased agonism : a new frontier in NIUSH therapeutics
Role of NUSH therapies in addiction and other disorders
THRB agonists and MASLD - Current and future perspectives
Skeletal muscle preservation: Myths and facts
Beyond Biotics - the real clinical implications of gut dysbiosis
Apo B : Bridging the evidence between clinical care and practice
The future of mitochondrial modulators in clinical care
Recognising and testing for MODY in clinical care
Should we redefine the obesity care numbers?
Management of PMOS and Subfertility with NUSH therapies - an evidence-based overview
Is our obesity endangering future generations
Blue zones and their implications for health care

WHAT MORE TO EXPECT

- ✓ Orations, Keynote Addresses
- ✓ Honour lectures, Award lectures
- ✓ Industry symposia
- ✓ Workshops, Panel Discussions
- ✓ Debates, Chai-pe-charcha, Meet the Professor
- ✓ Newer molecules in the pipe lines
- ✓ Theme symposia covering Obesity & MASLD
- ✓ Cardiovascular, Renal and Vascular medicine
- ✓ Brain research
- ✓ AI in the field of Diabetes management
- ✓ Quiz for PG's
- ✓ Poster and Oral presentations

