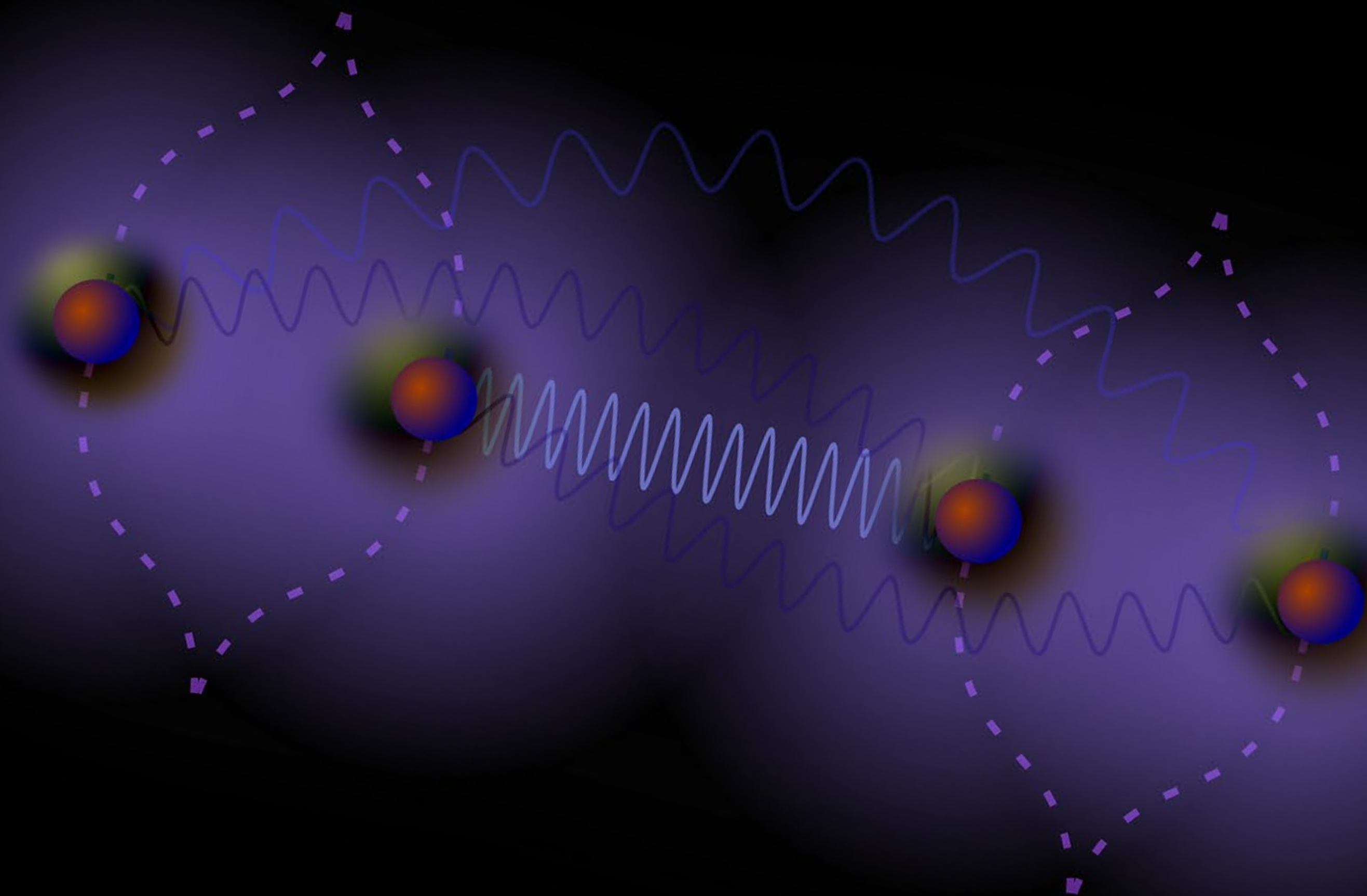


Scientific Organizers

- Anupam Mazumdar, University of Groningen
- Myungshik Kim, Imperial College
- Martin Plenio, Ulm University
- Sougato Bose, University College London



Topics

- Creating Macroscopic Superposition with Large Masses and Long Coherence Time Scale
- Ground State Cooling, Mitigating External and Internal Decoherence
- Witnessing Quantum Nature of Gravity
- Mitigating Gravity Gradient and Relative Acceleration Noise
- Constraining Theories of Quantum Gravity



The Lorentz Center organizes international workshops for researchers in all scientific disciplines. Its aim is to create an atmosphere that fosters collaborative work, discussions and interactions. For registration see: www.lorentzcenter.nl

A prototype experimental protocol that possibly could provide a way to test the quantum nature of gravity. Image by Marko Toroš. Poster design: SuperNova Studios . NL