

## *From Equations to Experience: Why Science Communication Matters for Physics*



Colloquium talk  
by

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In this colloquium, I reflect on science communication not as an optional add-on to research, but as an integral part of the scientific process itself. Drawing on my experience as an astrophysicist and science communicator, I explore how communication choices shape interpretation, engagement, and meaning, both within the scientific community and beyond. Examples range from familiar academic contexts to more experimental approaches, including the sonification of scientific data through my AstroSounds citizen science project and other art-science and multisensory formats.



Building on my work in teaching science communication to university students and researchers, I will also address recurring challenges in academic practice, such as how to communicate uncertainty without eroding trust and how to adapt to diverse audiences without losing rigor. This talk invites reflection on science communication not as simplification, but as a way of making the depth, process, and relevance of physics, and of science more broadly, visible and tangible.



Tuesday, 20 Januar, 16:30



HS C, Victor-Franz-Hess-Haus

**Organizers:** Katrin Erath-Dulitz, Francine Marleau, Hanns-Christoph Nägerl