

# DR. KFIR BLUM

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## THE FUTURE OF THE UNIVERSE

The observable Universe contains hundreds of billions of galaxies, each holding hundreds of billions of stars like our Sun. The galaxies fly away from each other, in a cosmic dance that is the expansion of the Universe: the creation of space along an arrow of time. Where does this space-time come from? What drives the expansion? What is its ancient past, and what is its future? I will discuss some things we see, some things we know, and some questions we face in trying to understand the past and the future of the Universe.

**SUNDAY, 3<sup>RD</sup> FEBRUARY 2019, 3.00 PM**

COMMUNITY HALL IGB, LEIMENSTRASSE 24, BASEL