

# ON THE HUNT FOR UNIVERSAL LIFE

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We know Physics is universal, and so is Chemistry. Our exploration of the Solar system shows us geological processes likely are too. What about Biology? The first step to find if biological processes too are universal is to first identify life forms elsewhere, and measure how frequently they occur, and under which conditions.

We have come a big step closer with the recent identification of a number of temperate Earth-sized planets orbiting small stars in the vicinity of the Solar system. In this lecture we will look at the reasons we seek such planets, how we detect them, and learn more about them, but also how we hope to day identify signs for active biology at the surface of a far removed world.