

# Cologne Cell Death Club Seminar

## Speaker: Savithramma Dinesh-Kumar

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Information about the [Dinesh-Kumar Laboratory](#)



**Tuesday 21.09.2021 at 5 pm**

“Innate immunity and organellar communication”



Register here to receive the Zoom login data:

<https://uni-koeln.zoom.us/meeting/register/tJUvdeyori8iGtBZmmZ0Flsp3-mgDOyAeorQ>

### Abstract:

Nucleotide-binding leucine-rich repeat (NLR) class of immune receptors play a critical role in defense against pathogens in plants and animals. Plant NLRs recognize pathogen encoded effector proteins and induce programmed cell death (PCD) that physically isolates the infection. A growing body of evidence suggests that chloroplasts play an important role in PCD and immunity in plants. Our findings demonstrated that chloroplasts dynamically change their morphology by sending out tubular projections known as stromules and functions as a positive regulator of PCD and immunity. I will discuss these findings and our ongoing work on characterization of components required for stromule formation and its association with nuclei during immunity.

General Information on Zoom: Please enter your full name when you log in. If possible, keep your camera on but mute your microphone. Do not share zoom links and access details with unauthorized third parties. Screen and audio recording, including screen shots, are not allowed from any side.

*Information on the Cell Death Club seminar series and registration are advertised via the local mailing lists and is provided on the [website of the SFB 1403](#) and on [twitter](#).*