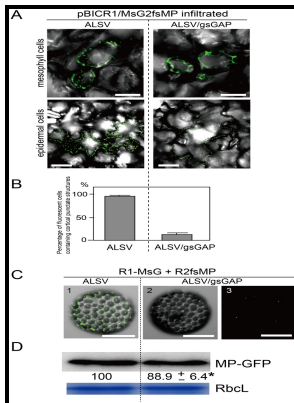


# Studies on the cell-to-cell movement of tobacco mosaic virus.

University of East Anglia - The tubule



Description: -

-Studies on the cell-to-cell movement of tobacco mosaic virus.

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Notes: Thesis (Ph.D), University of East Anglia, School of Biological Sciences, 1990.

This edition was published in 1990



Filesize: 64.210 MB

Tags: #Characterization #of #mutant #tobacco #mosaic #virus #coat #protein #that #interferes #with #virus #cell

## Identification and study of tobacco mosaic virus movement function by complementation tests.

Focal planes were scanned by using a 488 Argon laser with a 550-nm barrier filter FVX-BA550RIF at 60× magnification 60 × 1. The position of genomic RNA and subgenomic sg RNAs are indicated: sg-RNA I, sg-RNA II MP subgenomic RNA , and sg-RNAIII CP subgenomic RNA.

## STUDIES ON MULTIPLICATION, MOVEMENT AND DISTRIBUTION OF TOBACCO MOSAIC VIRUS AND OTHER TOBAMOVIRUSES WITHIN PETUNIA

Analyses of TMV and TMV-T42W RNA accumulation in BY-2 protoplasts. Movement within a susceptible cultivar is influenced by how the virus is introduced. The timing and concentration of the hormone application were found to have significant effects.

## The tubule

Abstract Tobacco mosaic virus TMV spreads between cells through plant intercellular connections, the plasmodesmata. Milestones of the associated in-house research are described in the report for 1230-22000-012-00D.

## Tobacco Mosaic Virus: A Pioneer of Cell

At the final 'production' stage of growing and distributing ornamental plants, losses due to viral infections can range from 10 to 100%, depending upon the virus-host combination. Studies of CP-MR against tobacco mosaic virus TMV have increased the understanding of the mechanisms that govern CP-MR for review, see refs.

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