

## HOLDERS FOR GROWING MAMMALIAN CELLS ON GRIDS FOR ELECTRON MICROSCOPY

### SUMMARY

The technology is a tool used to hold transmission electron microscopy grids to grow adherent mammalian cells on and the 3D printing software to create the holder. The TEM cell grid holder solves the difficulty of lifting the TEM grid out of a plate without bending or damaging the grid. Researchers at the NCI seek licensing for the transmission electron microscopy grid holder.

### REFERENCE NUMBER

E-243-2016

### PRODUCT TYPE

- Devices
- Research Materials
- Software

### KEYWORDS

- Electron Microscopy

### COLLABORATION OPPORTUNITY

This invention is available for licensing.

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### DESCRIPTION OF TECHNOLOGY



Researchers at the NCI [Center for Molecular Microscopy](#) invented a device to hold transmission electron microscopy grids that allows adherent mammalian cells to be grown on it, as well as the 3D printing software to create the holder. The TEM cell grid holder solves the difficulty of lifting the TEM grid out of

a plate without bending or damaging the grid. The holder can be reproduced in various sizes with 3D printing.

## POTENTIAL COMMERCIAL APPLICATIONS

Transmission Electron Microscopy Tool

## INVENTOR(S)

[Giovanna Grandinetti \(NCI/CCR/LCB\)](#)

## DEVELOPMENT STAGE

- Prototype

## PATENT STATUS

- **Not Patented:** Research Material: NIH will not pursue patent prosecution on this technology.

## RELATED TECHNOLOGIES

- [E-244-2016](#)

## THERAPEUTIC AREA

- Cancer/Neoplasm