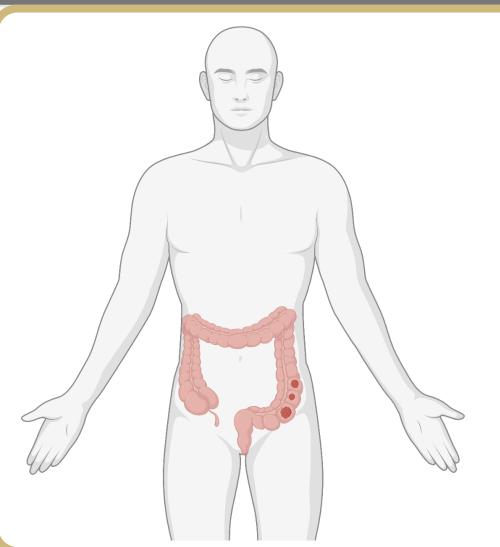


# Engineering of Designer Materials to Study Intestinal Cancer

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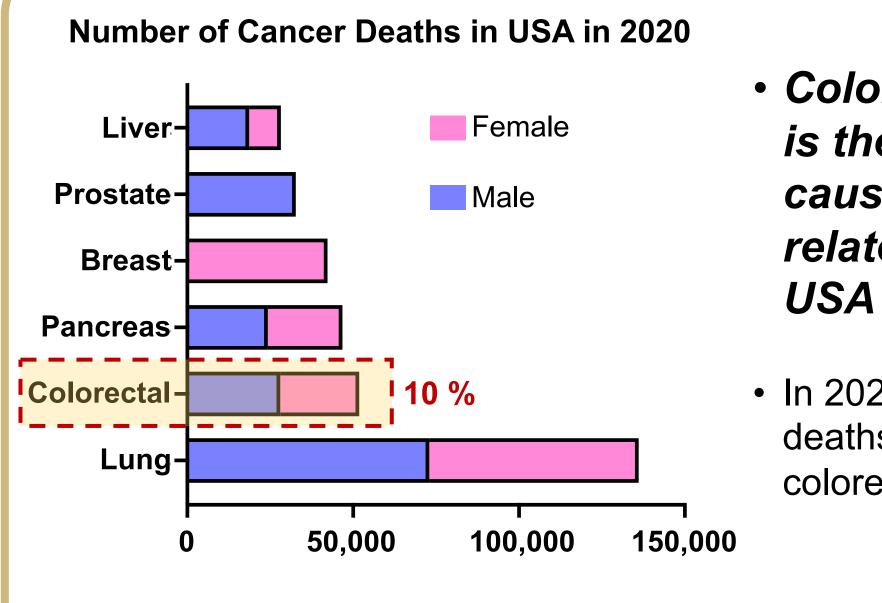
#### WHAT ARE INTESTINAL CANCERS



- Colorectal Cancer (most common)
- Lymphoma
- Carcinoid tumors
- Melanoma
- Sarcomas

Survival of colorectal cancer patients depend greatly on timely detection of tumor

## WHY WE CARE



- Colorectal Cancer is the 2<sup>nd</sup> largest cause of cancer related deaths in
- In 2020, 10% of cancer deaths were due to colorectal cancer

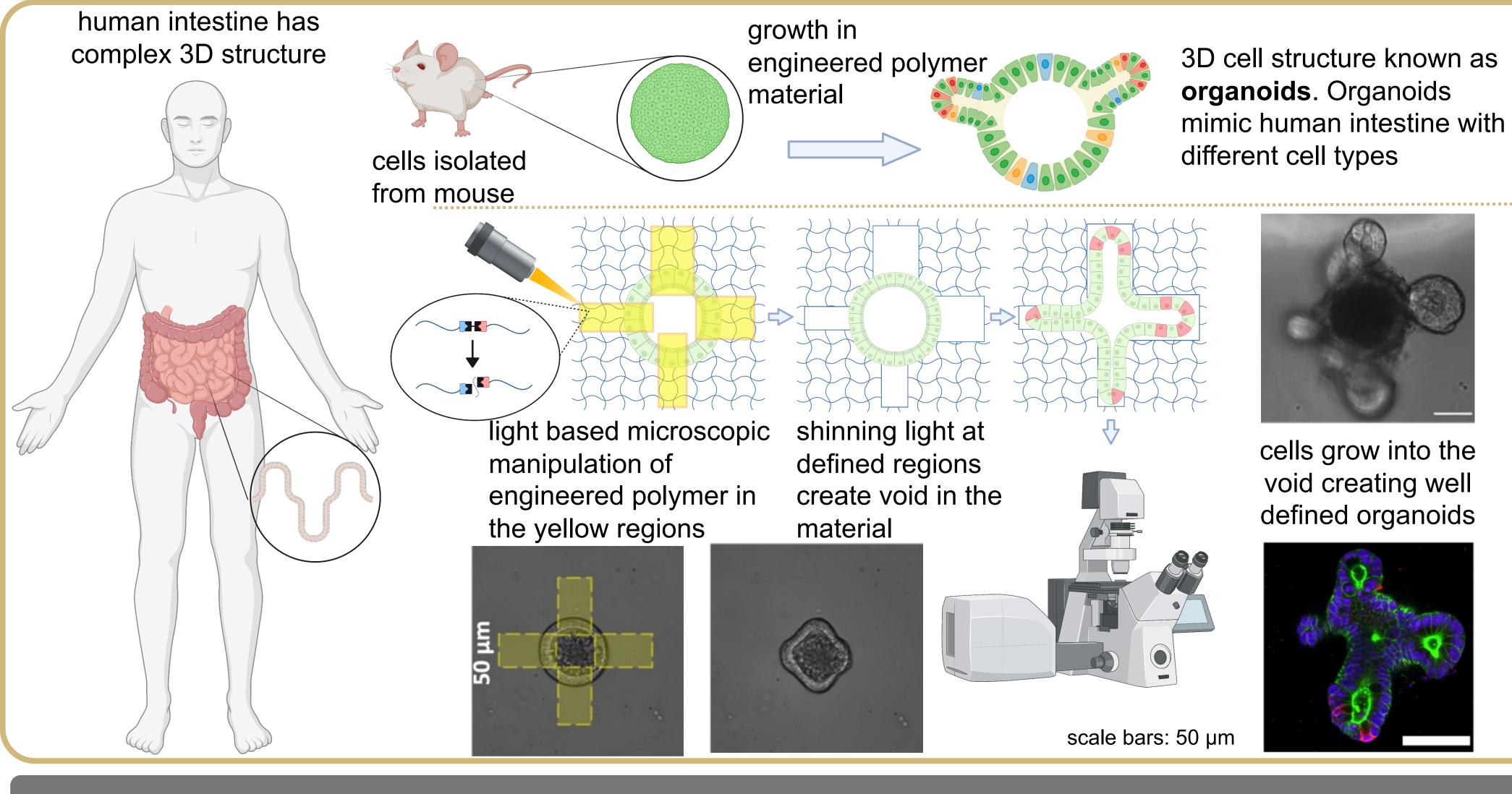
Annual Colorectal Cancer cases:

USA – 150,000

Colorado – 2,100

Need to study intestinal cells in the context of human body

## METHODS WE USED



## WHAT WE FOUND

**References:** 1) F. M. Yavitt *et al. Science Advances* (in press).

2) https://medschool.cuanschutz.edu/colorado-cancer-center. 3) N. Gjorevski et al. Science (2022)

4) https://www.cdc.gov/cancer/dcpc/research/update-on-cancer-deaths/index.



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