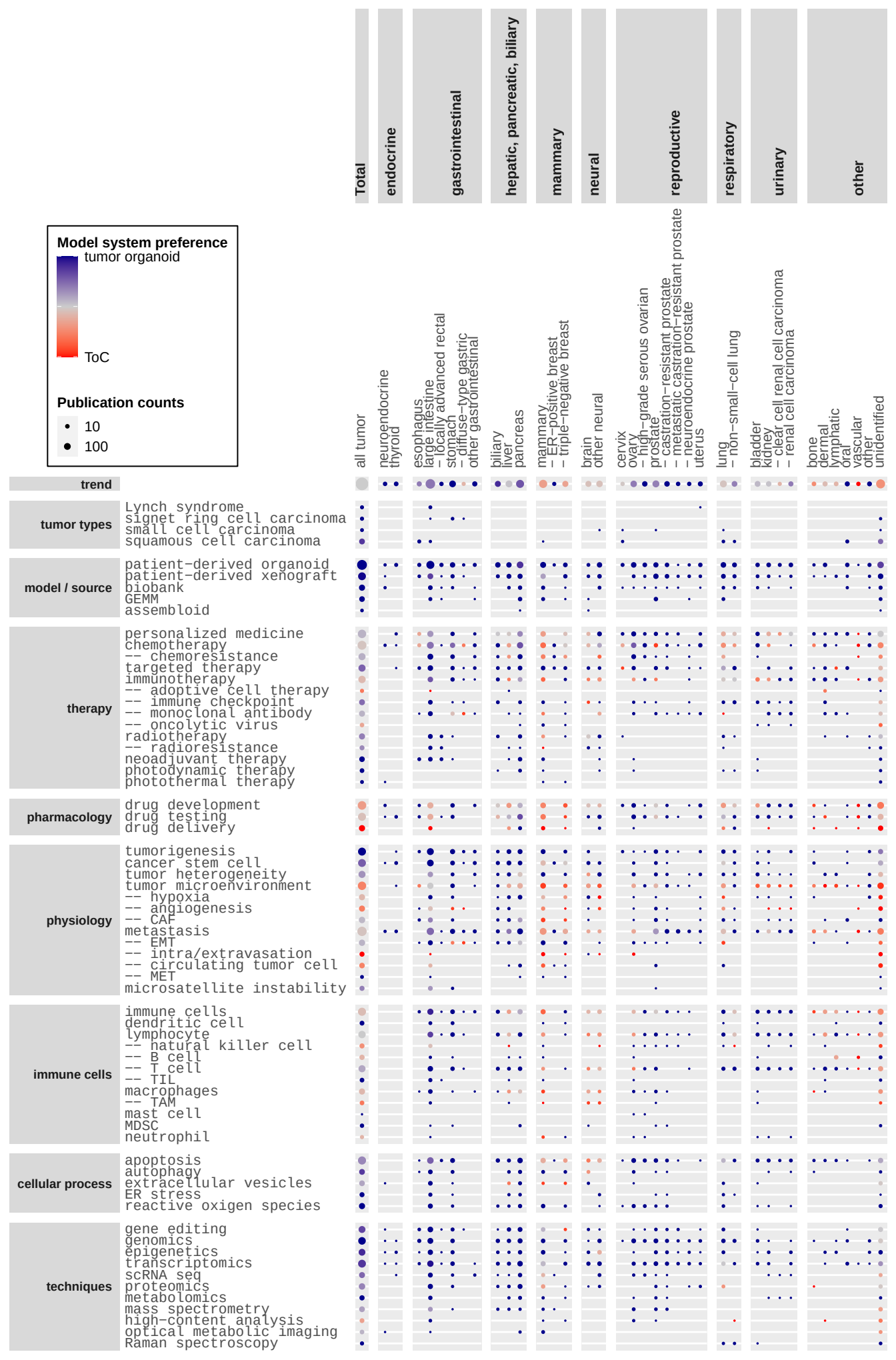
Model system preference
tumor organoid
ToC
Publication counts
10
100
Total
endocrine
gastrointestinal
hepatic, pancreatic, biliary
mammary
neural
reproductive
respiratory
urinary
other
all tumor
neuroendocrine
thyroid
esophagus
large intestine
– locally advanced rectal
stomach
– diffuse–type gastric
other gastrointestinal
biliary
liver
pancreas
mammary
– ER–positive breast
– triple–negative breast
brain
other neural
cervix
ovary
– high–grade serous ovarian
prostate
– castration–resistant prostate
– metastatic castration–resistant prostate
– neuroendocrine prostate
uterus
lung
– non–small–cell lung
bladder
kidney
– clear cell renal cell carcinoma
– renal cell carcinoma
bone
dermal
lymphatic
oral
vascular
other
unidentified
trend
tumor types
Lynch syndrome
signet ring cell carcinoma
small cell carcinoma
squamous cell carcinoma
model / source
patient–derived organoid
patient–derived xenograft
biobank
GEMM
assembloid
therapy
personalized medicine
chemotherapy
–– chemoresistance
targeted therapy
immunotherapy
–– adoptive cell therapy
–– immune checkpoint
–– monoclonal antibody
–– oncolytic virus
radiotherapy
–– radioresistance
neoadjuvant therapy
photodynamic therapy
photothermal therapy
pharmacology
drug development
drug testing
drug delivery
physiology
tumorigenesis
cancer stem cell
tumor heterogeneity
tumor microenvironment
–– hypoxia
–– angiogenesis
–– CAF
metastasis
–– EMT
–– intra/extravasation
–– circulating tumor cell
–– MET
microsatellite instability
immune cells
dendritic cell
lymphocyte
–– natural killer cell
–– B cell
–– T cell
–– TIL
macrophages
–– TAM
mast cell
MDSC
neutrophil
cellular process
apoptosis
autophagy
extracellular vesicles
ER stress
reactive oxigen species
techniques
gene editing
genomics
epigenetics
transcriptomics
scRNA seq
proteomics
metabolomics
mass spectrometry
high–content analysis
optical metabolic imaging
Raman spectroscopy