					atic, biliary			-								
		cardiovascular	dermal	gastrointestinal	hepatic, pancreatic, biliary	lymphatic	mammary	musculoskeletal	neural	ocular	oral	reproductive	respiratory	urinary	other	
		OoC	OoC	OoC organoid		OoC	organoid	OoC organoid	OoC	OoC	OoC organoid	OoC organoid	OoC		OoC organoid	
research interests	organ development disease drug development pharmaco–kinetics/dynamics toxicology		• • •		•••	• •	•	• • •			• •					
major research organism	human mouse	00	• •	:8	••	0 0	•	• •	00	0 0	• 0	• 0	• •	• •		
cell source	stem cell induced pluripotent stem cell embryonic stem cell adult cell		• •			•	•	• •		•	• 0	• •	•	•	• • •	
neurological disease	epilepsy traumatic brain injury				•				• 0						•	
neurodegenerative disorder	neurodegenerative disorder Alzheimer's disease Parkinson's disease motor neuron disease	:		•	:				• •	0					• • •	
mental disorder	mental disorder autism spectrum schizophrenia			÷					• •							
eye disease	macular degeneration retinal degenerative disease retinal dystrophy retinitis pigmentosa			•						• • •					0	
respiratory disease	chronic obstructive pulmonary disease respiratory distress emphysema												• • • •		•	
cardiovascular disease	arrhythmia atherosclerosis sickle cell disease thrombosis extravasation heart failure		•	•	•			•	••	:			:	• •	• • •	• •
gastrointestinal disease	gastritis enterocolitis colitis inflammatory bowel disease ulcerative colitis Crohn's disease short bowel syndrome diarrhea Barrett's esophagus							:	•				:	:	• • • • • • • • • • • • • • • • • • • •	
hepatic or pancreatic disease	diabetes cholestasis cirrhosis hepatotoxicity fatty liver disease hepatitis cholangitis	• •	•	•				• •	•	•				• •		Publication counts ■ 10 ■ 100 ■ 1000
kidney disease	chronic kidney disease end-stage renal disease nephrotoxicity polycystic kidney disease acute kidney injury	:.		•	•									• • • • • • • • • • • • • • • • • • •	• 0	Publication trends
fibrosis	fibrosis cystic fibrosis idiopathic pulmonary fibrosis		:	•	0 0	•	0	• •	÷	•	:	•	• •	• 0	• 0	highmoderatelow
genetic disorder	microcephaly Down syndrome									÷					•	
other disease	osteoarthritis autoimmune disease dystrophy endometriosis injury radiation injury obesity sclerosis ulcer sepsis	•••	•	• • • • • • • • • • • • • • • • • • • •	• •	• •		• •	• •	•	•	::	• •	• •		
viral disease	coronavirus Zika virus enterovirus flavivirus norovirus rotavirus influenza	• •	•	• •	•	•			• •	:	•	•	• •	•	•	
symbionts and pathogens	host-microbe interactions Chlamydia Escherichia coli Lactobacilliss Helicobacter pylori Clostridioides difficile Salmonella Staphylococcus Cryptosporidium malaria nematode		• •	••					• •		•	:	• •	• 0		
clinical interests	clinical study preclinical model personalized medicine	• •	• •		• •	•	•		• •	• •	• •	• •	0 0	• •	•	
minor research organism	monkey ape dog cat cattle pig horse sheep rabbit bat bird snake fish fly frog			•	•				•	:		•	:			