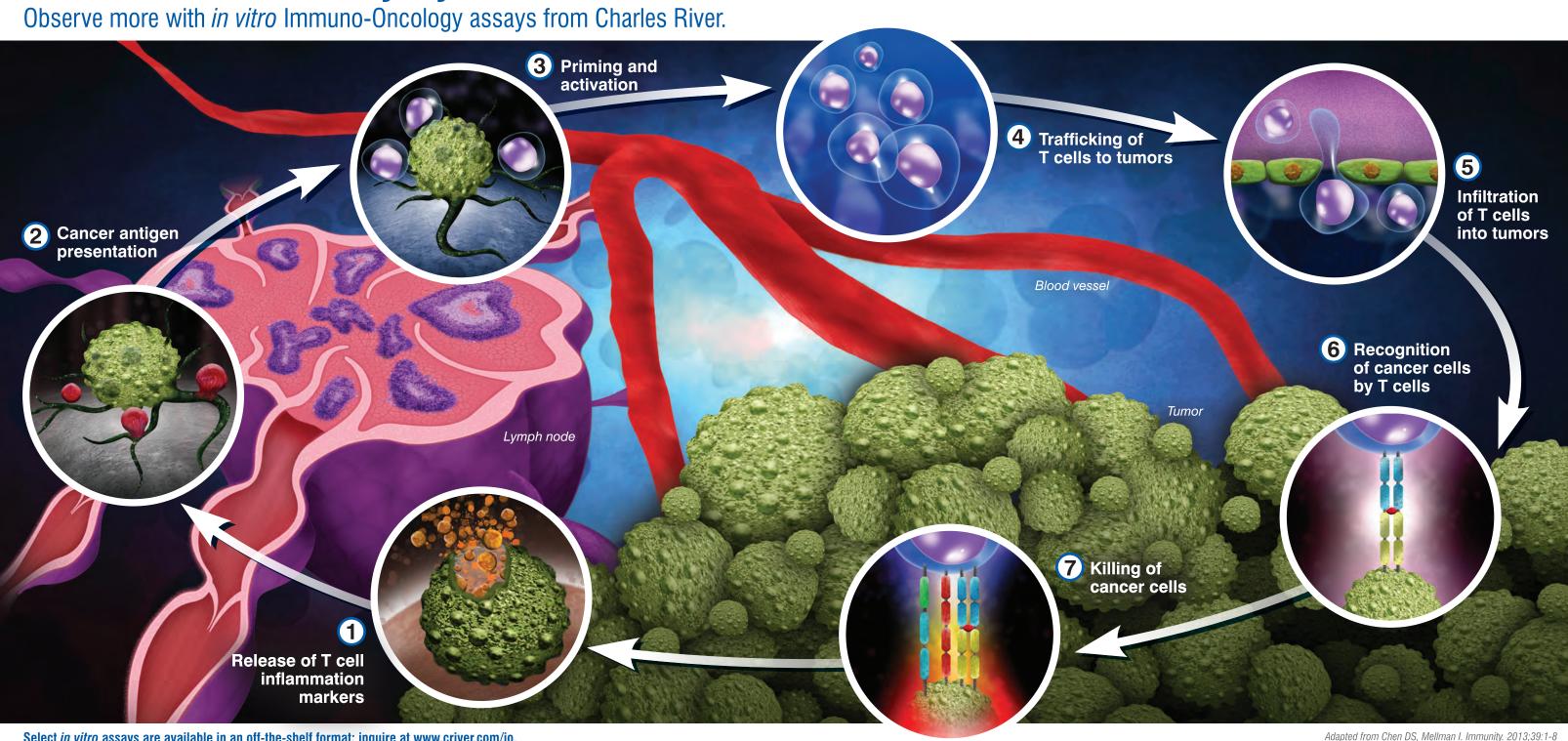
# **The Cancer-Immunity Cycle**



Select in vitro assays are available in an off-the-shelf format; inquire at www.criver.com/io.



- Cvtokine response
- · Immunogenic cell death
- Immunosuppressive signalling markers
- · Expression of checkpoint marker
- Tumor associated macrophage (TAM)
- **Cancer antigen presentation** 
  - T cell responsiveness in co-cultures

## **Priming and activation**

- T cell proliferation
- T cell exhaustion
- Antigen-specific human CTL/Super-antigen T cell activation
- Modelling immune cell synapse formation and maintenance
- nTreg, iTreg
- T cell differentiation

# Trafficking of T cell to tumors

- T cell chemotaxis
- T cell/DC adhesion
- · Trans-endothelial migration

## **Infiltration of T cells into tumors**

• TIL immuno-phenotyping (murine)

### **Recognition of cancer cells by T cells**

• Recognition of cancer antigens for T cell targeting

### Killing of cancer cells

- T cell cytotoxicity (2D and 3D)
- NK cell cytotoxicity
- ADCC

