

JoVE 實驗百科全書- Colorectal Cancer 直腸癌

試用期間：9/9-12/31

資源連線：[ERMG](#)> 資料庫

資源介紹：提供影片方式百科全書，Colorectal Cancer 直腸癌包含 21 個影片，重點介紹用於研究結直腸癌的研究方法。該合集介紹與篩查測試、遺傳分析、腸道微生物組研究、治療干預、動物模型生成、檢測技術以及細胞行為和轉移反應相關的一些結直腸癌基礎研究技術。

The screenshot shows the JoVE website interface for the 'Colorectal Cancer' section. At the top, there's a search bar with 'Search 13,620 video articles...' and a magnifying glass icon. To the right of the search bar are links for 'Faculty Resource Center', 'Research', 'Education', 'Authors', 'Librarians', 'About', 'Sign In', and a language dropdown set to English. Below the header, there's a blue sidebar with the text: 'Colorectal cancer originates within the colon or rectal regions of organisms. This collection highlights some fundamental research techniques in colorectal cancer relating to screening tests, genetic analysis, studies on the gut microbiome, therapeutic interventions, animal model generation, assay techniques, and cell behavior & metastatic responses.' On the left, there are two columns: 'Assays & techniques' and 'Animal model studies'. Under 'Assays & techniques', there are six entries with small thumbnail images: 'Tumor Enzymatic Digestion', 'Laser Microdissection', 'Cytoskeleton and Focal Adhesion Organization Assay', 'Spheroid Generation from Cell Lines', 'Microtubule Binding Assay in CRC Cells', and 'CRC Organoid Culture'. Under 'Animal model studies', there are three entries: 'Traction Cytometry Assay', 'CTC Isolation from a Whole Blood Sample', and 'CRC Organoid Cell Labeling'. Each entry includes a brief description and a thumbnail image.

This screenshot shows the 'Animal model studies' section of the JoVE Colorectal Cancer page. It features a grid of four rows of experiments. Row 1: 'Intracecal Tumor Cell Injection' (Thumbnail: red tumor cell), 'Segmental Adeno-Cre Infection' (Thumbnail: mouse intestine). Row 2: 'Pretargeted Radioimmunotherapy' (Thumbnail: red tumor cell with antibodies), 'Establishing Experimental Metastases Mouse Model' (Thumbnail: flask with liquid). Row 3: 'Stool Microbial DNA Isolation' (Thumbnail: test tube), 'Phosphatase Assay in CRC Cells' (Thumbnail: graph showing enzyme activity). Row 4: 'Assessing DNA Damage Foci' (Thumbnail: DNA double helix with red foci), 'ROS Detection with DCFH-DA Staining' (Thumbnail: green fluorescence). Each experiment has a title, a brief description, and a thumbnail image.