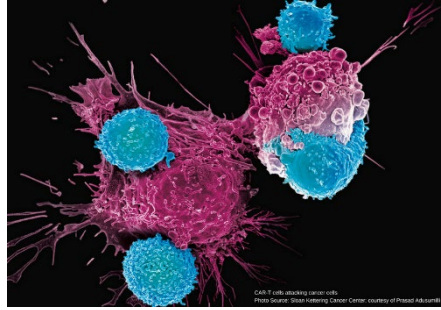


# 03-428 Genome Editing



- Elective for **Biological Sciences Majors**
- **6 Units (W1)**
- **Pre-requisites: Biochemistry (03-231/232)**

## • **Learning Goals/Course Topics**

- To expose students to new developments in gene editing.
- To illustrate the role of interdisciplinary science in new developments in a field.
- Provide students appropriate skills to understand the theory behind new technologies.

### **Topics**

- Biochemical techniques for Protein-DNA interactions
- CRISPR based technologies
- TALENS
- Zinc Finger

**Instructor:**  
**Dr. Gordon Rule**

**Student evaluation:** 3 exams, weekly analysis and presentation of current literature, final paper.

