

### Article 1

- “An autoinhibited state of 53BP1 revealed by small molecule antagonists and protein engineering”
- From histone modifications and DNA repair to potential cancer therapeutics.
- <https://www.nature.com/articles/s41467-023-41821-6>
- Analyze Figure 5A,B.

### Article 2

- “Genome engineering using the CRISPR-Cas9 system”
- CRISPS-Cas9 for genome editing.
- <https://www.nature.com/articles/nprot.2013.143>
- Analyze Figure 5B,C.

### Article 3

- “A way to wipe a cell’s memory” and “Transient naive reprogramming corrects hiPS cells functionally and epigenetically” (see below for which parts from each to read)
- Epigenetics and cell memory.
- Read the full *summary* (“A way to wipe a cell’s memory”, <https://www.nature.com/articles/d41586-023-02381-3>) and in addition the abstract, figure 1, and discussion from the *article* it is referring to (“Transient naive reprogramming corrects hiPS cells functionally and epigenetically”) (<https://www.nature.com/articles/s41586-023-06424-7>)
- Analyze Figure 1 of the **summary** (<https://www.nature.com/articles/d41586-023-02381-3>)

### Article 4

- “Industrial brewing yeast engineered for the production of primary flavor determinants in hopped beer”
- Science of beer brewing.
- <https://www.nature.com/articles/s41467-018-03293-x>
- Analyze Figure 1.

### Article 5

- “Signal peptide mimicry primes Sec61 for client-selective inhibition”
- Preventing the biogenesis of disease-relevant proteins.
- <https://www.nature.com/articles/s41589-023-01326-1>
- Analyze Figure 1B,C.

### Article 6

- “Cell-free protein synthesis as a novel tool for directed glycoengineering of active erythropoietin”
- Cell-free production of glycosylated therapeutic hormone erythropoietin.
- <https://www.nature.com/articles/s41598-018-26936-x>
- Analyze Figure 1.