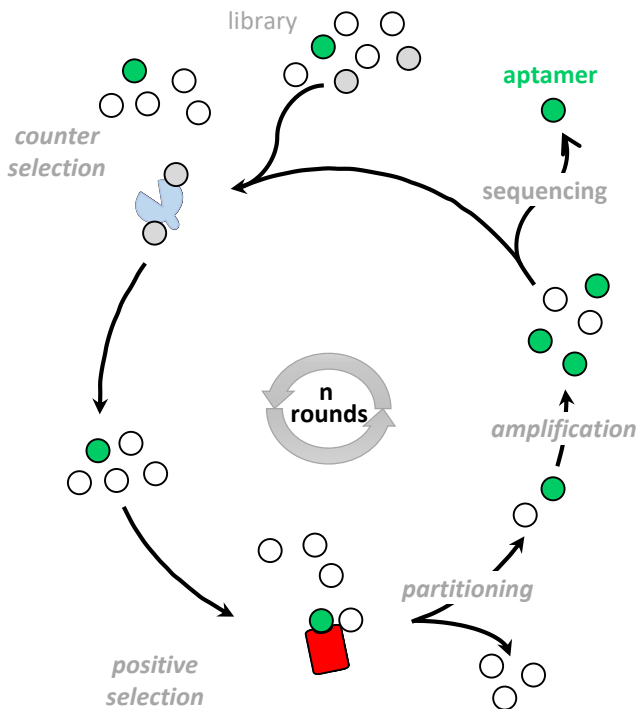


In the lab, we are interested in **protein-SELEX** and in **cell-SELEX**

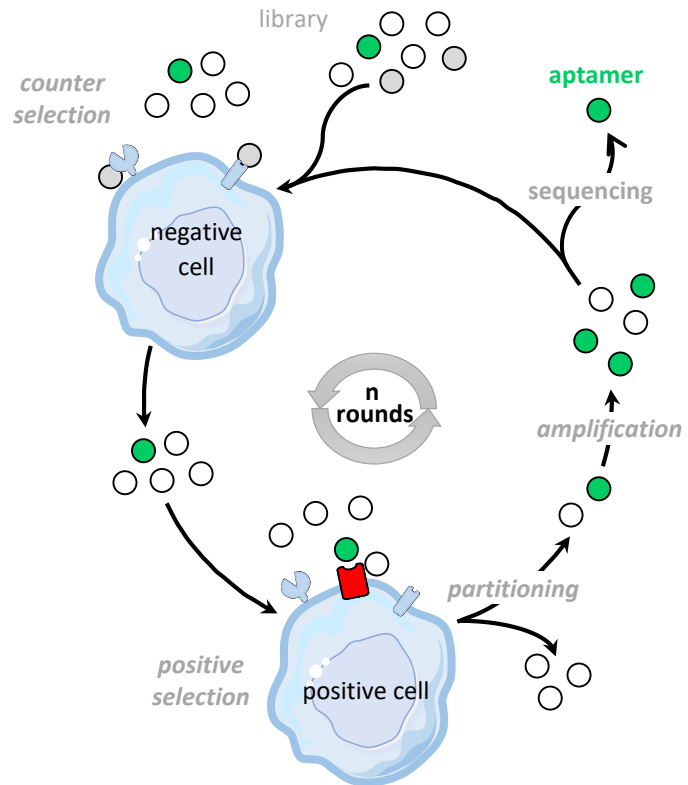
### protein-SELEX

The target is a **purified protein**  
(usually recombinant)



### cell-SELEX

The target is a cell, which, for example, over-express a pre-identified **cell-surface biomarker**



Compared to protein-SELEX, **cell-SELEX:**

- does not require to purify the target
- **target proteins are in their native environment**
- allows to select for **internalizing aptamers**
- and allows for **biomarker discovery**

Figures adapted from Mercier M-C, Dontenwill M, Choulier, L. (2017). Selection of nucleic acid aptamers targeting tumor cell-surface protein biomarkers. *Cancers*. 21(9), pii: E69.