

Targeting Technology

Advanced Targeting Systems' technology - Molecular Neurosurgery - is a modification of one of the most widely used techniques in the neurosciences: lesioning of a region by surgical means and observation of the effect.

Choose an ANTIBODY[§] specific to your cell type.



SAPORIN is a potent cytotoxin. Safe in the lab. Lethal in the cell.

ATS binds SAPORIN with your ANTIBODY to make a powerful targeting agent.

[§]or growth factor, peptide, ligand, or cytokine

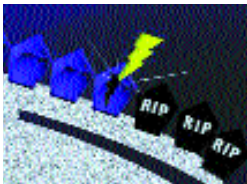
The targeting agent is administered to the cells (*in vivo* or *in vitro*).

The antibody seeks out its target receptor on the cell surface.



Cells which do not have the receptor will not be affected.

The conjugate is internalized and SAPORIN breaks away from the antibody.



SAPORIN inactivates the ribosomes.

The result is **CELL DEATH**.

Targeting Teaser

Unscramble these five Jumbles, one letter to each block, to form five words used in this issue's cover article.

LEAMMOY

CYTOPEN

JOTBIVECE

PYRHETA

DRENBU



HOW THE FEMALE BIOLOGY STUDENT RESPONDED WHEN ASKED TO BE HIS LAB PARTNER

Arrange the circled letters to form the surprise answer, as suggested by the above cartoon.

Answer:

SHE
 AT THE

WIN
 \$100.00

Limit one entry per laboratory.

1. Solve the puzzle.
2. Fax in this entire page with the correct solution by August 31, 2002.
3. Win \$100 credit toward your next purchase.

See last quarter's winners, page 6.

Please correct the address information below and provide the following:

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"Molecular Surgery for Scientists"

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