"Molecular Surgery for Scientists"

www.ATSbio.com

Toll-Free: (877) 889-2288 Phone: (858) 642-1988 Fax: (858) 642-1989



10451 Roselle Street #300 San Diego, CA 92121 PRESORTED STD. U.S. POSTAGE PAID SAN DIEGO, CA PERMIT # 2686

Targeting Technology

Advanced Targeting Systems' technology -Molecular Neurosurgery - is a modification of one of the most widely used techniques: surgical lesioning of a region 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 anything recognized on the cell surface and internalized.

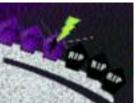
The targeting agent is administered to the cells (*in vivo* or *in vitro*).

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



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

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



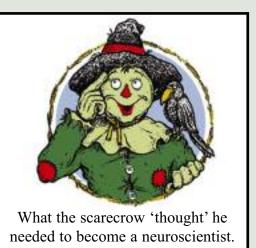
SAPORIN inactivates the ribosomes.

The result is **CELL DEATH**.

Targeting Teaser

Unscramble these five Jumbles **taken from the cover story**, one letter to each block, to solve the puzzle.

UNSCORENIECE										
								Ī		
DD		INF	15	_	_	_	7			
PH		ПИГ	15	_			4			
	_ _	<u>l</u>	L	L			┙			
		-1/1		_	_	_	7			
FAF	101		D				╛			
		JL	⅃Ĺ		JL					
_	_	_	_	_	_	_	_	_	_	-
STORRENTRAP										
		\mathbb{T}	\top	\top	$\neg \Gamma$	Т	T	Т	\sqcap	
HEF	RIC	OL	D							Δr



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

ANSWER:

IF I ONLY HAD . . .



WIN!





SOLVE the puzzle online with the correct solution by December 31, 2013.

WIN a large, reusable flat-bottom tote bag featuring the 25th Annual Spring Brain Conference!

www.atsbio.com/news/13q4 teaser.html