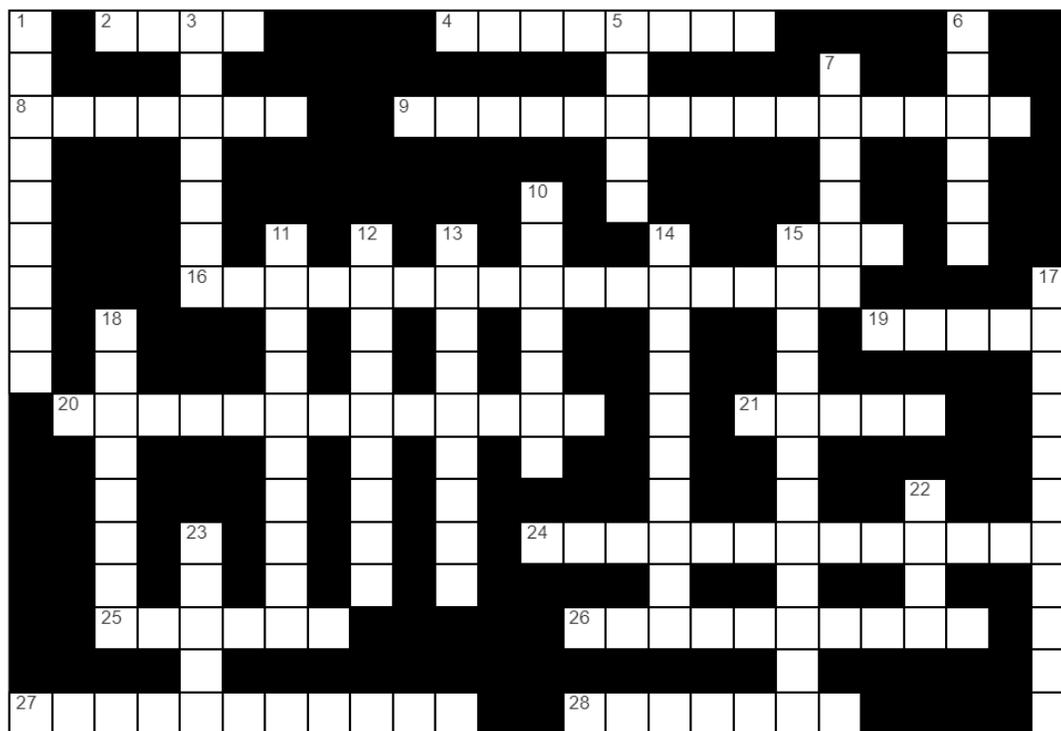


# Findings: The Last Word

A National Institute of General Medical Sciences Crossword Puzzle



## Across ►

2. Palmer tracks this metal in living cells
4. Studying metals in cells may lead to insights about Alzheimer's disease, \_\_\_\_ cancer and diabetes.
8. Bachmann and colleagues are searching for better drugs to treat this tropical disease
9. Compounds from the wild
15. The shape of the bacteria that Palmer studies.
16. In addition to her Ph.D. in science, Palmer has a master's degree in \_\_\_\_.
19. Nucleoside analogs can be used to treat these kinds of infections
20. The bacteria that Palmer studies cause \_\_\_\_ .
21. Scientists hope a genetically engineered version of this organism could make a cheaper HIV drug
24. Family of bacteria used to make many antibiotics
25. Ion mobility mass spectroscopy uncovers molecules with unusual \_\_\_\_
26. Everninomycin could lead to a new type of this medicine, with a lower chance of drug resistance
27. Brain structure involved in memory
28. Where both Bachmann and Palmer became interested in science.

## Down ▼

1. Bachmann brews bacterial broths in order to pick out interesting \_\_\_\_ to study
3. Zinc is important for our immune and \_\_\_\_ systems.
5. To obtain samples of microorganisms from caves, Bachmann uses filter paper swabs and \_\_\_\_\_
6. Several \_\_\_\_\_ are essential nutrients, but can be toxic in large amounts.
7. One of the two magnetic puppets in Bachmann's lab
10. Painkiller made from a secondary metabolite
11. Palmer uses this to visualize sensor proteins.
12. Salmonella bacteria attack this organ
13. Bachmann studies \_\_\_\_\_ metabolites
14. Nashville university where Bachmann works
15. The sport that was Palmer's passion in graduate school.
17. Palmer uses \_\_\_\_\_ proteins to track metals within cells.
18. Salmonella bacteria can inject more than 60 \_\_\_\_\_ into cells they infect.
22. Software Bachmann uses to compare different growth conditions
23. A substance in caves that hasn't yielded useful organisms

# Answer Key

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## Across ►

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2. ZINC
4. PROSTATE
8. MALARIA
9. NATURALPRODUCTS
15. ROD
16. SCIENCEEDUCATION
19. VIRAL
20. FOODPOISONING
21. ECOLI
24. ACTINOMYCETES
25. SHAPES
26. ANTIBIOTIC
27. HIPPOCAMPUS
28. COLLEGE

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## Down ▼

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1. COMPOUNDS
3. NERVOUS
5. TRAPS
6. METALS
7. EDISON
10. CODEINE
11. MICROSCOPE
12. INTESTINE
13. SECONDARY
14. VANDERBILT
15. ROCKCLIMBING
17. FLOURESCENT
18. PROTEINS
22. NELI
23. GUANO

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