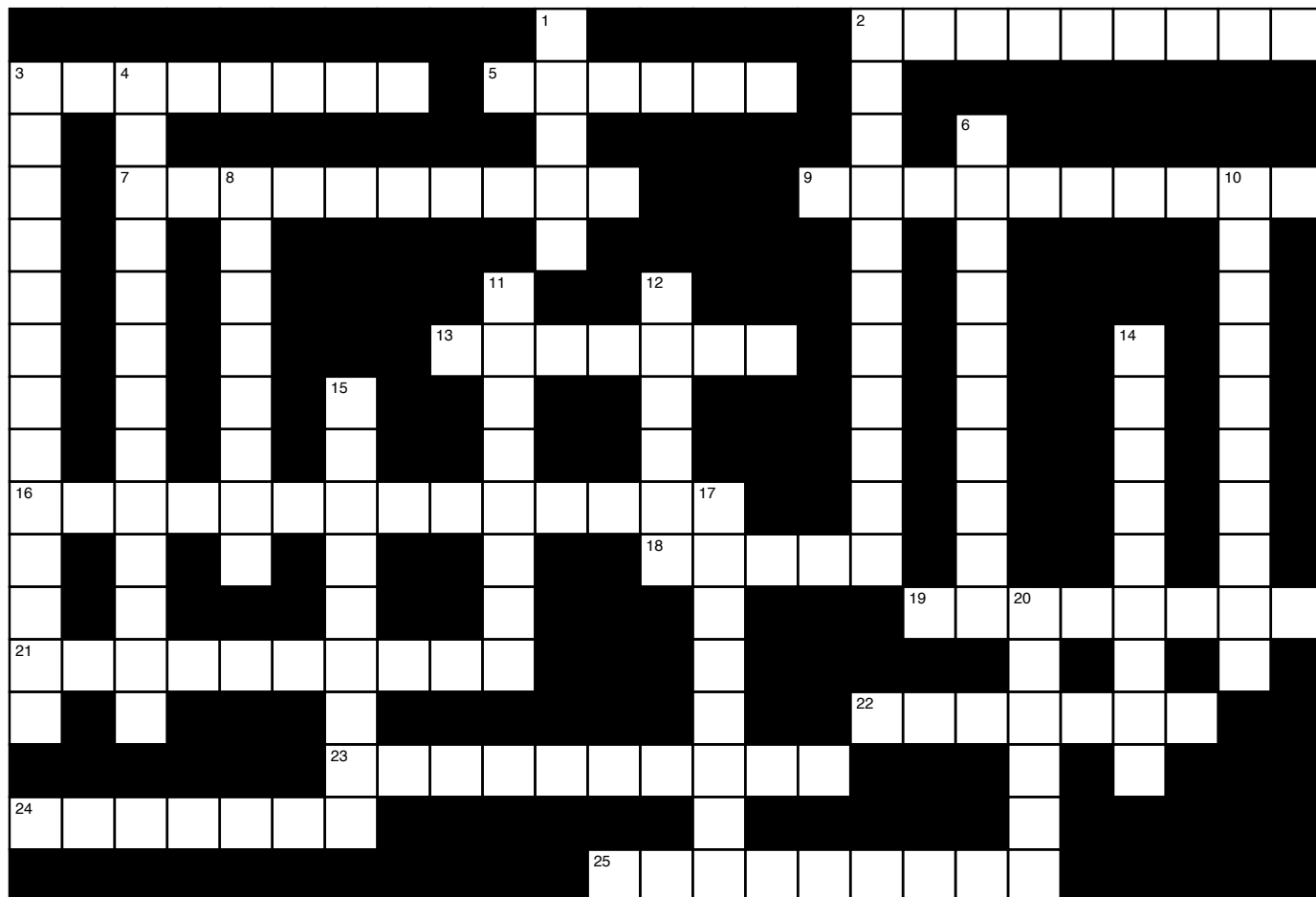


'Omes that matter

See [Nature 494, 416–419 \(2013\)](#)

CROSSWORD



ACROSS

2. The 'ome joining the rest together.
3. All the data generated by clinical trials.
5. All the protein kinases encoded in a genome.
7. A map of the brain's neurons and neural connections.
9. All of the metabolites in an organism.
13. The interaction network for approved drugs and targets.
16. The genome's influence on a patient's response to drugs.
18. The part of the genome that codes for proteins.
19. All the regulatory components in a cell.
21. The structures and functions of all membranes in an organism.

22. The phenotypic variability of an organism.
23. Genetic material recovered from uncultured microorganisms in environmental samples.
24. A database of basic nuclear proteins.
25. The totality of human speech components.

DOWN

1. All life is there.
2. The entirety of molecular interactions in a cell.
3. All the transcribed RNA of a cell or tissue.
4. Isaac Kohane's phrase for chance findings in the genome.
6. All the nascent polypeptide chains in a cell.

8. The part of the genome involved in regulating nutrient metabolism.
10. All the nucleic acids, lipids, proteins, sugars and other molecules in a system.
11. All the proteins expressed at a certain time by a certain genome.
12. All the cellular processes involved in toxicity.
14. The metals and metal-containing molecules in a cell or a tissue.
15. All the processes relating to force and mechanical systems in a cell.
17. A measure of everything an individual is exposed to in a lifetime.
20. Where the trouble began (*Nature passim*).

Answers available at go.nature.com/mdurc4