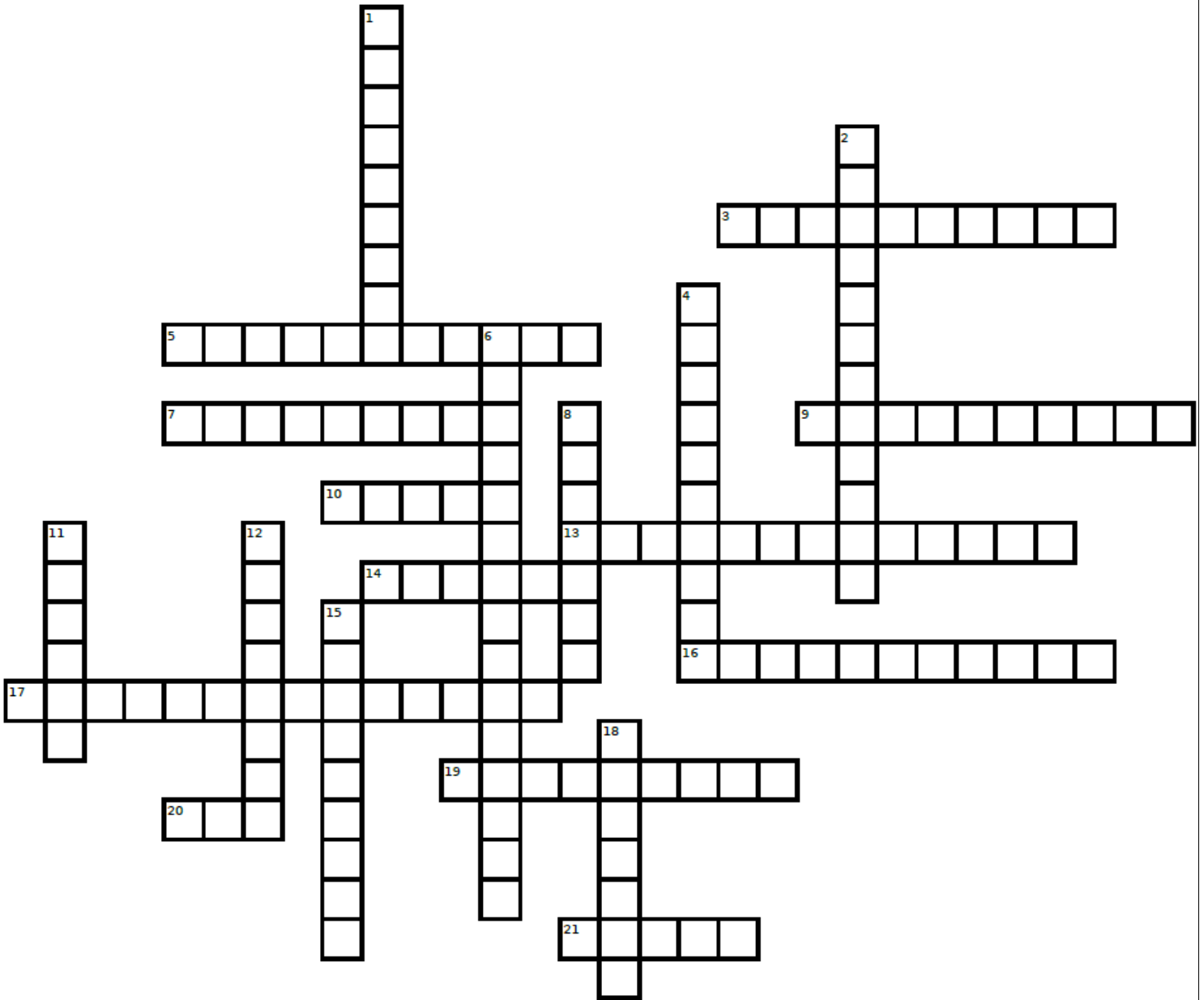


Division of Diagnostic Genetics & Genomics

LAB WEEK CROSSWORD PUZZLE!

April 22, 2026



Down:

1. Cutting tool that produces thin slices of material known as sections.
2. Lab in DGG that performs Karyotyping.
4. Chromosomal _____ Analysis can detect copy number changes and loss of heterozygosity.
6. Used to separate DNA, RNA, or protein molecules based on size and electrical charge.
8. DNA -> RNA -> _____
11. A liquid that keeps many laboratory professionals awake.
12. Colorful process labs use to reveal cell features on microscope slides.
15. An organized profile of a person's chromosomes.

18. Type of counselor who assesses risk for inherited conditions.

Across:

3. The Michigan Genomics _____ is a research and clinical venture that will result in the sequencing of 10,000 genomes in DGG in 2026.
5. FISH uses _____ probes to look for specific abnormalities.
7. Stage of mitosis between prophase and anaphase.
9. Lab machine that spins samples at high speeds.
10. Bioinformatics software tool used to search for proteins in databases.
13. Lab instrument used to amplify DNA and RNA samples through polymerase chain reaction.
14. Optical _____ Mapping can detect both structural and copy number variants.
16. Thermus aquaticus (Taq Polymerase) was discovered in this National Park.
17. Sequencing method used to determine the nucleotide sequences of millions of DNA or RNA fragments simultaneously
19. Instrument that determines the four-letter sequence of nucleotides in DNA.
20. Division of U of M pathology that specializes in genetic and genomic medicine (abbreviation)
21. Tool used to accurately measure, transfer, and dispense small, precise volumes of liquids.