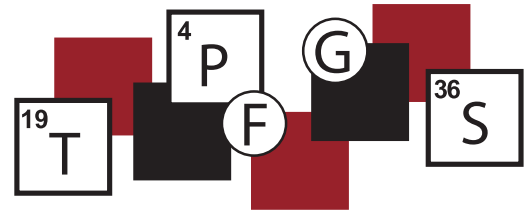


# CrosswordPuzzle

Theme: Microscopy Grab Bag

by Aubrey Penn and Erica Stevens



1	2	3	4	5		6	7		8	9			10	11
12						13		14					15	
16												17	18	
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55	56						57		58					
59						60			61					
62					63							64	65	
66									67					

## Across

1. Screen type nicknamed “green screen”
8. Lens type that bends parallel rays so that they converge
12. *Micrographia* book author
13. August date of the PMCx60 at M&M 2020
15. Image not having much detail (abbr.)
16. “I” of Standard Temperature and Pressure
17. Urgent request
19. Gentle tap, often on the shoulder
20. Famous American poet’s first initials (abbr.)
21. Foolery, madness
22. Minor professional ice hockey league in Canada from 1959–1963 (abbr.)
24. Many street addresses end with this in the US (abbr.)
25. “A” in Texas University’s microscope-focused CASM
26. Country where all members of the MTO Editorial Board are located (abbr.)
29. Germany country code (abbr.)
30. In an optical microscope, this value decreases with increasing magnification
38. Consumed
39. Moving and active
40. Hat type that is tall and cylindrical
41. Accelerating \_\_\_\_\_, electron high tensions (pl.)
43. Multiferroic design components for drift compensation (slang, pl.)
45. Cancellation of unwanted signal by generating an out-of-phase waveform (abbr.)
46. Potent poison element (abbr.)
47. Microscope type that uses light as the source of illumination
51. Point (or plane) of interest
55.  $180^\circ \times \pi$
57. Two letters joined into one glyph, for example, æ
59. Seen
61. Inert gas (abbr.)
62. Former postal abbreviation of Nebraska (abbr.)
63. Scale that Transmission Electron Microscopes typically operate on
64. Vitreous necessity in Cryo-EM
66. The fourth dimension
67. Friendly greeting to the ANL scientist and MSA member that patented the Scanning Confocal Electron Microscope

## Down

1. “P” in DPC
2. Electrons with high kinetic energy
3. Onomatopoeia exclamation after getting hit in the stomach
4. “Cheers” equivalent with Old Norse roots
5. Rat, ant, cockroach, etc., for example
6. One or the \_\_\_\_\_
7. Surface characterization technique using low-angle diffraction of electrons (abbr.)
8. Town in northern France
9. NYC slang for over-the-top (abbr.)
10. Choose via vote
11. Used by Röntgen to see the bones of his wife’s hand in 1895 (pl.)
14. Range of wavelengths used to see heat
17. Italian street food
18. Force exerted on electrons in EM lenses
23. Concept first theorized by Einstein
26. Graphical, interactive view seen in an app or program (abbr.)
27. Group 14 element that has an English name but a Latin abbreviation (abbr.)
28. \_\_\_\_ search, looking for manuscripts on a scientific topic (slang)
30. Spherical if originating from a point source
31. Elongated reciprocal lattice points (pl.)
32. “Go” in Scottish
33. Network of satellites for telecommunications (abbr.)
34. Small drinks (pl.)
35. Prefix for “three”
36. Sound a dove makes
37. Mini albums (abbr., pl.)
42. Rose essential oil
44. The four major show business awards (acronym)
46. Boxer Muhammad
48. Celebratory dessert for March 14th
49. Ni-Fe alloy with low thermal expansion
50. Chemical reaction type to form carbon-carbon bonds
51. An excessively ludicrous comedic genre
52. “Stop! \_\_\_\_\_ out!” (2 words)
53. Overlaying digital images on the real world (abbr.)
54. Simple prying machine
56. Physicist with an eponymous lunar impact crater, refractometer, number, and theory
58. Signal amplification applied by an image sensor
60. Approximate landing time (abbr.)
65. US state NE of the Four Corners Monument (abbr.)

Answers to the crossword puzzle can be found on page 74.

MT

# Microscopy

TODAY

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