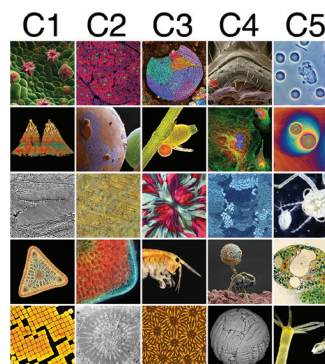


Finalists for the

2020 *Microscopy Today* Micrograph Awards

Competition finalists shown on the cover are identified below. The identity and affiliation of the submitters were not known to the judges. The larger number of Open category finalists reflects the larger number of entries in that category. Prize winners will be named in the *Microscopy Today* section of the awards presentation at the virtual M&M meeting in August. Finalist micrographs may be viewed at the 2020 gallery (see website at the bottom of this page). The microscopy community may vote for the People's Choice Award at the same website.



Column 1 (Published category)

- C1-1 Calcium oxalate druses in intercellular spaces of a lotus leaf (SEM SE/BSE) by Hans Ensikat
- C1-2 Native vanadium dendrites in hibonite (X-ray microscopy tomogram) by Sarah Gain
- C1-3 $\text{LaPO}_4/\text{Al}_2\text{O}_3$ eutectic microstructure produced by flash sintering (SEM BSE) by Yingjie Yang
- C1-4 *Triceratium morlandii* diatom from a prep by H.J. Baker (phase contrast LM) by Larry Gouliard, Jr.
- C1-5 Gold nanocubes with monodispersed size distribution (SEM SE) by Vasile-Dan Hondoroaba

Columns 2, 3, and 4 (Open category of unpublished micrographs)

- C2-1 Fetal bovine muscle tissue sectioned and decorated with antibodies (confocal LM) by Rhonda Powell
- C2-2 Ejected particles from the deposition of an Al composite material (SEM SE) by Michael Baughman
- C2-3 Needle-shaped martensite in an FeCoCrMn high entropy alloy (reflected LM) by Mainak Saha
- C2-4 Aloe vera leaf slice imaged using a halogen lamp to excite fluorescence (LM) by Jose Martinez-Lopez
- C2-5 *Zosterograptus* sp. showing microtubules the protozoan uses for feeding (TEM) by Andrea Brothers
- C3-1 Barred olivine in chondrule of a chondrite meteorite thin section (polarized LM) by Bernardo Cesare
- C3-2 *Chara* sp. green alga filament with reproduction organs (dark field LM) by Gerd Günther
- C3-3 Thin film crystals formed from a solution containing Fe, Al, and P sulfates (polarized LM) by Karl Gaff
- C3-4 Freshwater amphipod photographed in water (dark field LM) by Michael Much
- C3-5 Cuticle of the mite *Labidostomma luteum* collected in a primeval forest (SEM) by Zbigniew Adamski
- C4-1 Rove beetle *Aleochara* sp. showing frontal view of mouth area (SEM SE) by Igor Orlov
- C4-2 Rat endothelial cells marked with fluorescent dyes (epifluorescence LM) by Damon Strom
- C4-3 Grain orientations in an additively manufactured Fe-Nd-B magnet (polarized LM) by Felix Trauter
- C4-4 Atlantic Portuguese Man O'War (*Physalia physalis*) nematocyst capsule (SEM SE) by Connon Thomas
- C4-5 Micrometeorite from a Lake Michigan sediment core (SEM BSE) by Anette von der Handt

Column 5 (Video category)

- C5-1 Bacterial phagocytosis by neutrophilic white blood cell (phase contrast LM) by Andrei Savitsky
- C5-2 Soap film in motion (bright field LM) by Gerd Günther
- C5-3 Damselfly larva eating a ceriodaphnia (dark-field LM) by Andrei Savitsky
- C5-4 Dying ciliate (*Nassula* sp.) expels its organelles and what it has eaten (BF LM) by Julia Van Etten
- C5-5 *Hydra* sp. trying but failing to eat a water flea (dark-field LM) by Julia Van Etten

**Vote for your favorite micrograph at the 2020
image gallery:**

www.microscopy.org/awards/micrograph_gallery.cfm

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