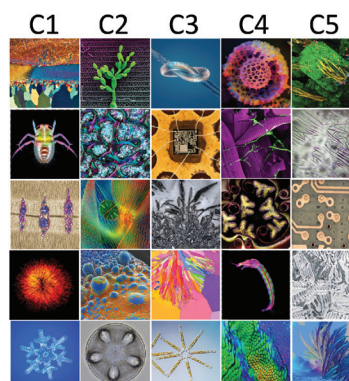


2022 Microscopy Today Micrograph Awards

Competition finalists shown on the cover are identified below. The identities and affiliations 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 at the annual M&M meeting in August. Finalist micrographs may be viewed at the 2022 gallery, and the microscopy community is invited to vote there for the People's Choice Award (website at the bottom of this page).



Column 1 (Published category)

- C1-1 Agate thin section from Brazil (polarized light microscopy) by Bernardo Cesare
- C1-2 Anesthetized water boatman (polarized dark-field microscopy) by Karl Gaff
- C1-3 Tibialis muscle fibers (transmission electron microscopy) by Kristen Dancel-Manning
- C1-4 Cyanobacteria colony (fluorescence light microscopy) by Håkan Kvarnström
- C1-5 Snowflake collected in Timmins, Canada (light microscopy) by Nathan Myhrvold

Columns 2, 3, and 4 (Open category of unpublished micrographs)

- C2-1 Fungus on butterfly wing (scanning electron microscopy) by Vijayasankar Raman
- C2-2 Dinosaur bone with fossil bone tissue (polarized light microscopy) by Bernardo Cesare
- C2-3 Sphagnum moss with desmid (polarized light microscopy) by Marek Mis
- C2-4 Silicate melt droplets (scanning electron microscopy and X-ray maps) by Tobias Salge
- C2-5 Diatom *Aulacodiscus* sp. from Guatemala (light microscopy) by Mark Webber
- C3-1 Strand of hair tied in a knot (light microscopy) by Håkan Kvarnström
- C3-2 Operational amplifier 741 in its housing (light microscopy) by Gerd Günther
- C3-3 Bisphenol A crystals on stressed polycarbonate (light microscopy) by Lisa Powell
- C3-4 Grain orientations revealed in CoSm magnet (SEM and EBSD) by Felix Trauter
- C3-5 *Tabellaria fenestra* diatom from Sweden (DIC light microscopy) by Håkan Kvarnström
- C4-1 Mineral skeleton of a radiolarian (scanning electron microscopy) by Elizabeth King
- C4-2 Neuromuscular junctions in fruit fly larvae (light microscopy) by Akanksha Bhatnagar
- C4-3 Cross section of a tulip bulb (light microscopy) by Andrei Savitsky
- C4-4 Freshwater diptera larva (light microscopy) by Karl Gaff
- C4-5 Apatite nanocrystals in cave bear enamel (synchrotron PEEM) by Cayla Stifler

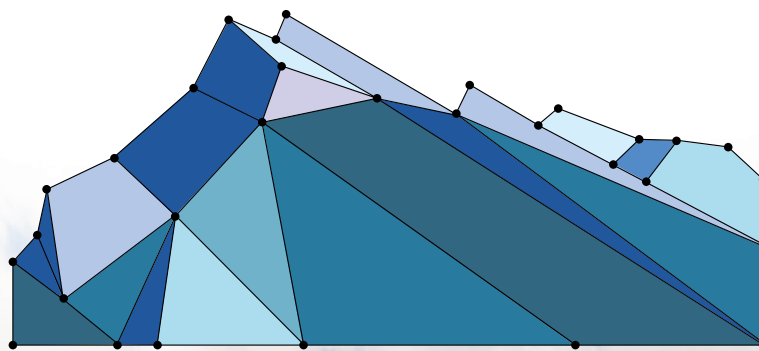
Column 5 (Video category)

- C5-1 Immune cells in small intestinal villi (fluorescence microscopy) by Frederic Fercoq
- C5-2 Formation of potassium permanganate crystals (light microscopy) by Sameer Shaikh
- C5-3 Serial sectioning of printed circuit (X-ray computed tomography) by Pouya Tavousi
- C5-4 Domain contrast during magnetization (light microscopy) by Dominic Hohs
- C5-5 Crystals of salicylic and lactic acids (polarized light microscopy) by Bernardo Cesare

**Vote for your favorite micrograph
at the 2022 image gallery:**

www.microscopy.org/awards/micrograph_gallery.cfm

SAVE-THE-DATE | IUMAS8



IUMAS8 June 11-16, 2023
Banff, AB Canada



IUMAS was founded in 1994 to promote world-wide cooperation in all aspects of microbeam analysis through the organization of an International Congress on microbeam analysis every three to four years, and by participating in joint committee's with other scientific organizations in matters relevant to microbeam analysis which are better discussed on a world scale.

Don't miss out on the 8th Meeting of the International Union of the Microbeam Analysis Society.

LOCATION: Banff Conference Centre, Banff, Alberta, Canada

CONTACT US: The conference organizers can be contacted via email at cemreg@mcmaster.ca

INITIAL SPONSOR ORGANISATIONS:



Providing Microscopy Supplies and Specimen Preparation Equipment to Our Valued Customers for Over Half a Century

VISIT US AT M&M 2022 • AUGUST 1 – 4 • PORTLAND, OR • BOOTH #2172

S151929252000827 Published online by Cambridge University Press



Product Demo & Tutorial at M&M 2022

PELCO® Scribing & Cleaving Solutions

PELCO® LatticeAx® 420, PELCO® FlipScribe® & PELCO® FlexScribe™



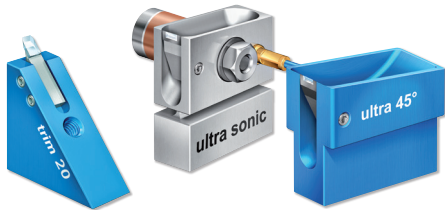
Cressington Coating Systems

Carbon Evaporation & Metal Sputtering Accessories & Targets



PELCO BioWave® Pro+

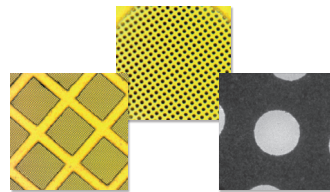
Microwave Tissue Processor & Application Kits



Now Available from Ted Pella, Inc.

DIATOME®

Highest Quality Diamond Knives Available for All Applications



NEW UltraAuFoil® Holey Gold Support Films

for Cryo-Electron Microscopy



Cryo-EM Tools & Accessories

Large Dewars, Foam Dewars, Grid Boxes & Grippers, Tweezers, Cryo-Pins & Storage



NEW First Contact™ Photonic Cleaning Solution Kit



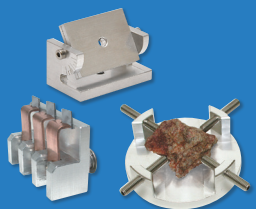
NEW Sizes Available PELCO Tabs™ Carbon Tabs



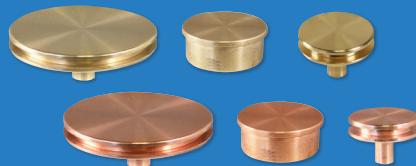
NEW PELCO® Qualitative Cellulose Filter Paper



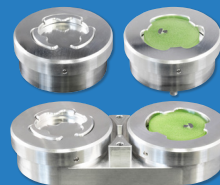
NEW Kulzer Technovit® Acrylic Resin Systems



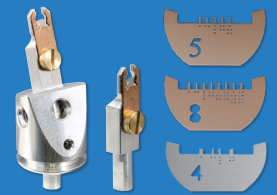
PELCO® Modular SEM Mounts & Holders



NEW Brass & Copper SEM Mounts



NEW Top Referencing Metallographic Mount Holders



NEW t-EBSD Holders & FIB Lift-Out Grids

TED PELLA, INC.
Microscopy Products for Science and Industry

www.tedpella.com sales@tedpella.com 800-237-3526