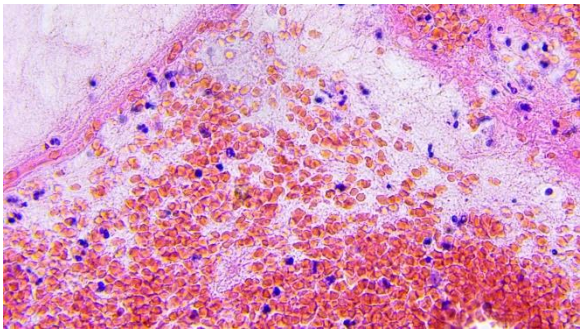
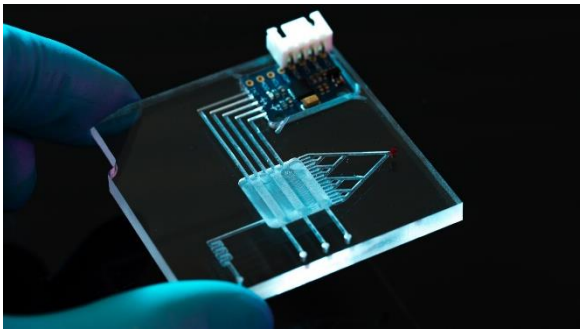
CEPS PHOTO CONTEST – SAMPLE PHOTOS

Category: Eureka!



Caption: Light microscopy enables a close look at brain tissue. Using Hematoxylin and Eosin stains, we can visualize cell nuclei (blue-violet) and extracellular structures, red blood cells, cell membranes, and cytoplasmic material. This image shows that the nuclei of brain cells are heavily surrounded and supported by other cells and materials.



Caption: A lab-on-a-chip (pictured above) performs several laboratory functions on a 4-cm wide integrated circuit. Its benefits include portability, low fluid consumption and reduced analysis time, among others. This could be the future of laboratory analysis, especially in the global health sector as a point-of-care testing device in underdeveloped countries.

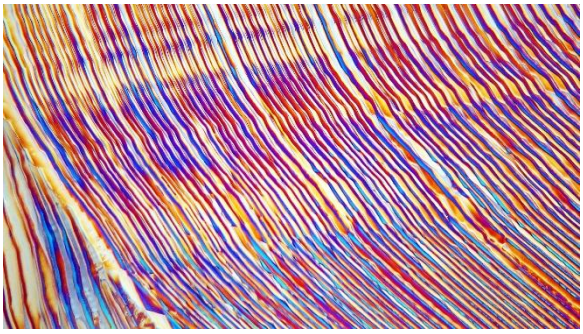
Category: People

Caption: Virtual reality software designed to enhance learning experience in use at an elementary school outreach event. This innovative technology presents learning material in an exciting and engaging way that will foster learning, curiosity and an interest in science and technology. Students can travel the world from the comfort of their classroom.

Caption: A computer engineering student is working on her robotics project. This machine is semi-autonomous, relying on commands from the laptop and its own decision making based on information collected by its sensors. It can navigate its environment based on GPS coordinates, even when there are obstacles blocking its path.

Disclaimer: the images and captions are fictional examples that demonstrate what we're looking for.

Category: Weird & Wonderful



Caption: Polarized light and a microscope allowed us to visualize these vibrant colours of crystalline magnesium sulfate. Magnesium sulfate has many uses, the most well-known likely being its use as a bath salt (Commonly known as “Epsom salt”). It is also used as a soil amendment in agriculture and as a supplement to treat magnesium deficiency.

Caption: Nature and technology join forces as a robot arm monitors and cares for plants. While this is a computer-generated concept, it may soon be possible. The automation of plant care could increase farming efficiency. It could also be used in the lab to reduce human error and allow greater control over experimental conditions.

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