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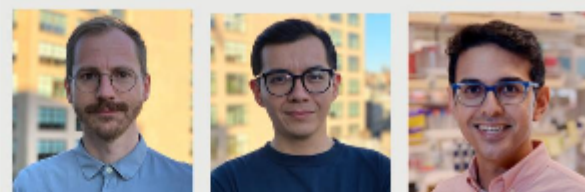
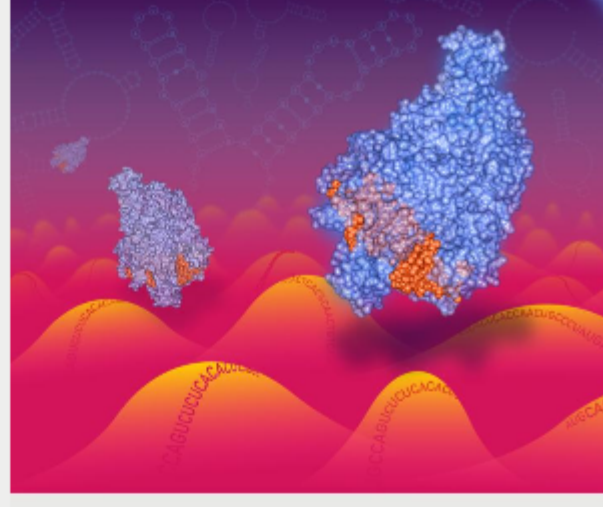
OPTICS & PHOTONICS International Congress 2020

**20-24 April, 2020
Yokohama, Japan**

Top Stories

CRISPR Technology to Target RNA Viruses Such as Coronavirus

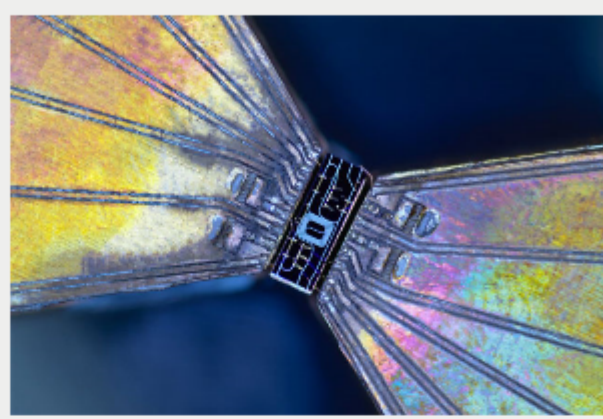
Researchers at the New York Genome Center and New York University have developed a new kind of CRISPR screen technology to target RNA. Many CRISPR-based genetic screens can only edit or target DNA, and cannot target RNA viruses like coronavirus or flu.



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Chip-Based Quantum Key Distribution Could Secure Quantum Networks Cost-Effectively

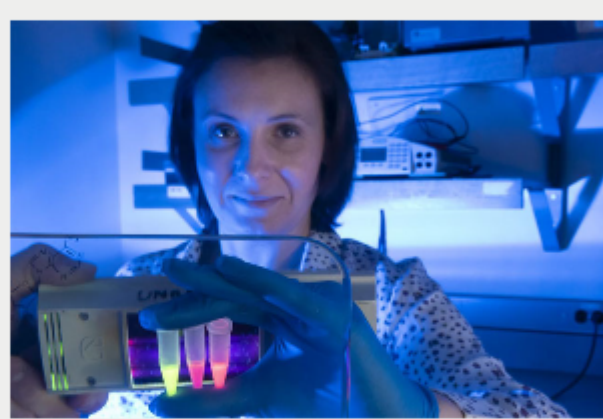
A research team at the University of Bristol has demonstrated chip-based devices that contain all the optical components necessary for quantum key distribution. The team showed that secure quantum key exchange could be accomplished between two chip-based devices over a fiber network with links up to 200 km.



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Coronavirus Testing Kits to Be Developed Using RNA Imaging Technology

A Simon Fraser University research team will be using RNA imaging technology it has created to develop coronavirus testing kits. The decision to apply the technology, called Mango, to COVID-19 testing is in response to a funding opportunity recently announced by the Canadian Institutes of Health Research.



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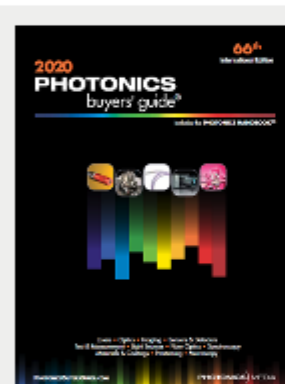
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DSI's photolithography capability produces patterned thin film coatings on substrates up to 8 inches in diameter. DSI's processes enable high placement accuracy, the ability to accurately maintain coating spectral properties at the smallest geometries, two sided patterning capabilities, and careful balancing...

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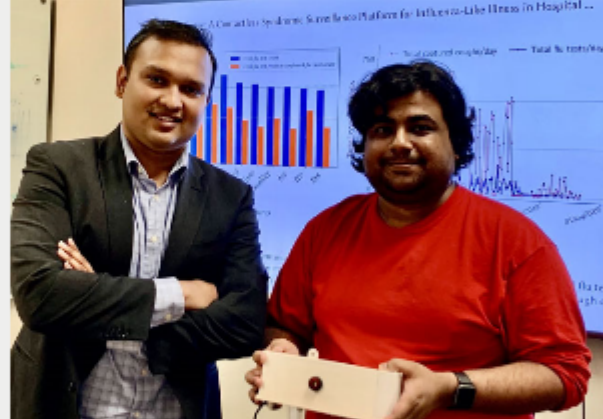
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More News

Device Uses AI, Thermal Imaging to Survey Public Areas for Flu-Like Illness

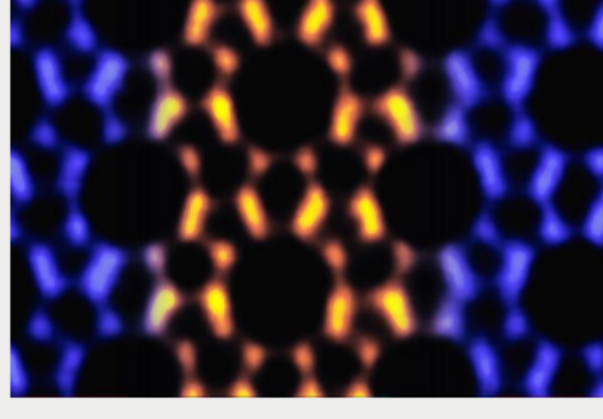
A contactless, portable surveillance device, developed by a team at the University of Massachusetts Amherst, can capture crowd-level bioclinical signals directly related to physical symptoms of influenza-like illnesses from public waiting areas in an unobtrusive manner in real time.



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Atomic-Scale Imaging Reveals Strength Capabilities of Thin Film

Researchers at the University of Minnesota have used high-resolution TEM microscopy to image the atomic structure of ultrathin zeolite nanosheets, which are used by industries as specialized molecular filters.



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Supercomputing Centers Will Expedite Access to Fight Coronavirus [Read Article](#)

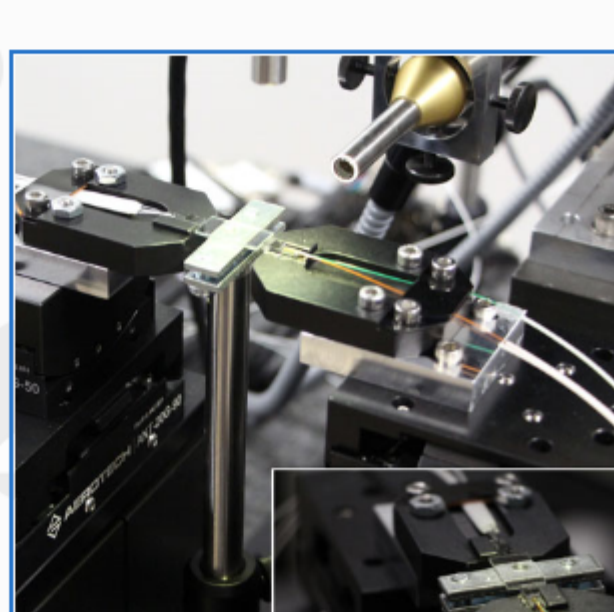
Hamamatsu Photonics Acquires 55% Share in Korean Branch [Read Article](#)

Webinars

Positioning Equipment for Automated Fiber Optics Device Manufacturing: Practical Ways to Solve Challenging Problems

Wed, Apr 22, 2020 1:00 PM - 2:00 PM EDT

For fiber optics manufacturing, selecting and implementing the right positioning subsystem is critical for automated alignment, probing, and packaging equipment. This webinar, presented by Aerotech Inc., will explain how to optimize the performance of automated positioning systems in the most difficult fiber optics manufacturing processes. Attendees will learn how to achieve the positioning resolution that meets alignment tolerances, as well as how to achieve repeatability in high-volume manufacturing environments. Anyone using positioning equipment to solve fiber optics manufacturing challenges will benefit from attending.



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