## Manufacturing USA®

**Pandemic Response and NIIMBL Update** 

Visiting Committee on Advanced Technology
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## Delivering on Manufacturing USA Purposes





Competitiveness



Leadership



Scale Technology



Shared Resources



Workforce Development



Knowledge Transfer



Partnership



Manufacturing Employment



Innovation Ecosystems

#### **Current Institutes**



#### **Electronics**

# Integrated Photonics Albany, NY Rochester, NY





#### **Materials**







## Bio Manufacturing







## Energy / Environment







#### **Digital / Automation**









## Manufacturing USA's Pandemic Response









## First Awards from 2020 CARES Act + base



March 27:

\$10M for Manufacturing USA (CARES Act)

+\$2.3M (base budget)

Strategy: Augment CARES Act funding with all available funding from base office budget.

- Use \$12.3M total amount to fund best projects, selected on merit
- Make additional awards immediately to prioritized "hopper" of proposals should additional emergency funding be appropriated

Waives the 1:1 non-federal cost match

March 30:

USA National
Emergency
Assistance Program

April 3:

Request for Funding Application for NIIMBL

Image: Adobe Images

## Manufacturing USA National Emergency Assistance Program (NEAP)



Used new public service grant authorities to fund non-NIST institutes



Requested high-impact projects to respond to COVID-19 pandemic



Proposals reviewed on a rolling basis



\$92.4 M projects proposed



**26** eligible proposals from 10 institutes (6/2)



\$3.4M in Awards being processed



## \$3.4M NIST Awards in process for first round NEAP











Technology roadmap for pandemic response and recovery \$400,000 BioFabUSA

Automated COVID-19 Testing

**Institute TBA** 

Virtual
Workforce
development
& training

**Institute TBA** 

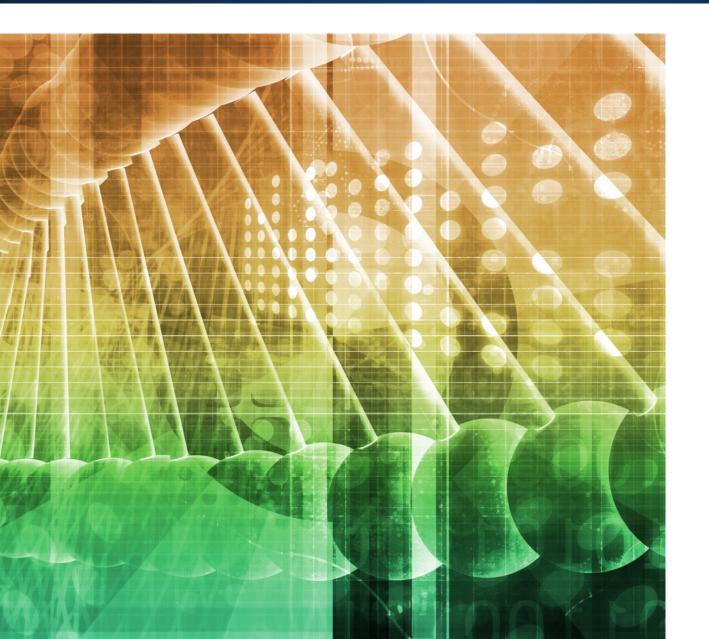
Biomedical equipment and supplies – development & manufacturing

**Institute TBA** 

Images: Adobe Images

## Request for Funding Application to NIIMBL





- March 30: CARES Act passed
- April 4: Request for Application issued
- April 5: NIIMBL issued project call
- April 7: Over 200 technical proposals submitted to NIIMBL
- April 21: NIIMBL submitted proposal
- April 22: 48 hour reviewer turnaround
- May 22: Award approved

## \$8,982,496 NIST Award for NIIMBL Projects















Provide virus proteins to improve blood testing capabilities

Assist regional hospital systems with validation of rapid in-house diagnostic testing capabilities

Identify
alternative
domestic
supply chains
to reduce
foreign
dependence
for respirators
and masks

Validate the use of environmental decontamination approaches for clinical spaces

Develop
automated
contact tracing
technology w/i
facilities to
limit the
spread of
coronavirus in
essential
workers

Accelerate development of more flexible manufacturing platforms of biologic therapies and rapid release testing