

Equipment Needs

Summer 2018

Talent is everywhere, but resources are not.

Seeding Labs' flagship program **Instrumental Access** gives talented scientists in developing countries access to lab equipment and supplies to catalyze their life-changing research.

Can you help us meet the need of our 2018 Instrumental Access recipients?

Your equipment can help brilliant scientists advance research and expand access to STEM education around the globe. Our most urgent needs are online at seedinglabs.org/urgent.

You can change the world with donations of new or gently-used equipment, including **but not limited to:**

Microscopy

- Binocular microscopes
- Confocal microscopes
- Dissecting microscopes
- Inverted microscopes
- Microscope digital cameras
- Scanning transmission microscopes

Genes & Proteins

- Electrophoresis systems & power supplies
- Electroporators
- Gel imager systems
- Sequencers
- PCR thermal cyclers
- Real-time PCR systems

Chromatography & Mass Spectroscopy

- Gas chromatographs
- Gas chromatography mass spectrometers (GC-MS)
- High performance liquid chromatographs (HPLC)
- Ion chromatographs
- Liquid chromatography mass spectrometers (LCMS)

Cell Growth & Handling

- Automated cell counters
- Bottle rollers
- Colony counters
- Flow cytometers
- Incubators: Dry bath

incubators, CO₂ incubators, tissue culture incubators

- Incubator shakers

Measurement

- Analytical balances
- Digital multimeters
- Flurometers
- pH meters

Spectroscopy

- Atomic absorption spectrometers
- FT-IR spectrometers
- Microplate readers
- UV-Vis spectrometers

Laboratory Equipment

- Autoclaves
- Freezers, -20°C and -80°C
- Freeze dryers/lyophilizers
- Ice machines
- Ovens, muffle furnaces, & vacuum ovens
- Vacuum pumps
- Water deionizers & purification systems

Sample Preparation & Manipulation

- Centrifuges: benchtop centrifuges, micro-centrifuges, ultracentrifuges
- Desiccators
- Fraction collectors
- Grinders
- Histology equipment
- Homogenizers
- Microplate washers

- Rotary evaporators
- Shakers & orbital shakers
- Vacufuges & vacuum concentrators



Equipment Donation Checklist:

- ✓ Equipment is in good working condition
- ✓ Equipment has not been custom-made or altered
- ✓ Equipment is safe to handle (decontaminated)

Ready to take the next step?

To donate equipment, please contact:

Steven Munevar,
Director of Corporate Relations

steven@seedinglabs.org or 617.500.3014. x9

*See our most urgently needed equipment at
seedinglabs.org/urgent*

About Seeding Labs

Seeding Labs is dedicated to **strengthening science in developing countries** because the world can't afford to let scientific talent go to waste. We don't just focus on health, or food security, or energy and environment, or economic development—we **aim to transform them all.**

Through Instrumental Access, we put the tools of modern science in the hands of brilliant scientists worldwide. Instrumental Access enables research and discovery, teaching and learning, and institutional capacity-building that are essential to solving development challenges. Our scientists are working to **improve healthcare, adapt agricultural systems to climate change, and generate clean energy.**

As of July 2018, Seeding Labs has made **75 shipments** of donated laboratory equipment and supplies to **63 universities and institutions** in **33 countries**. Working with our corporate partners, these shipments have provided instruments worth more than **\$30 million**, enhancing the education of thousands of scientists and students around the globe.

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www.SeedingLabs.org @SeedingLabs

