



TOP 200 APPLICANTS

www.100andchange.org/#results/top200 • #100andChange

100&Change is a MacArthur Foundation competition for a \$100 million grant to fund a single proposal that promises real and measurable progress in solving a critical problem of our time.

ADDICTION

The Cleveland Clinic Foundation (Cleveland Clinic)

Fighting opioid addiction through education and multidisciplinary approaches to pain management
Website: my.clevelandclinic.org
Overview video: https://youtu.be/bkdOH2HC_xM

Facing Addiction

Recognizing addiction as a chronic disease and fighting it with diagnosis, treatment, and support
Website: <https://www.facingaddiction.org>
Overview video: <https://youtu.be/6VDL-CypaxQ>

West Virginia University Research Corporation

Reversing a trend towards increasing mortality in West Virginia through opioid addiction treatment, job training, and community engagement
Website: hr.research.wvu.edu
Overview video: <https://youtu.be/rKmYohDh7wY>

AFFORDABLE AND CLEAN ENERGY

Global Alliance for Clean Cookstoves, an initiative of the United Nations Foundation

Reducing indoor pollution through increased supply of clean cookstoves in Uganda and Kenya
Website: <http://www.unfoundation.org/what-we-do/campaigns-and-initiatives/cookstoves/>
Overview video: https://youtu.be/rT7_CEGuvrw

Nova Lumos Netherlands Holding B.V.

Distributing affordable solar systems in Nigeria
Website: <http://www.nova-lumos.com>
Overview video: <https://youtu.be/bq-a0Xj6al8>

The Solutions Project

Working to transition to a 100 percent clean, renewable energy economy through evidence building and community engagement
Website: thesolutionsproject.org
Overview video: <https://youtu.be/hJLwKbgPtIU>

The University of New South Wales

Accelerating development and deployment of photovoltaics to increase reliance on solar energy and reduce CO2 emissions
Website: <https://www.unsw.edu.au>
Overview video: <https://youtu.be/lgqDUnB0zfw>

University of Waterloo

Addressing energy poverty by supporting innovators on distributed generation and energy storage
Website: <https://uwaterloo.ca>
Overview video: <https://youtu.be/InvtfLiV5DI>

We Care Solar

Reducing maternal and newborn mortality through deployment of a compact solar-power unit for medical lighting
Website: <https://wecaresolar.org>
Overview video: <https://youtu.be/0DgzyMxicDA>

ANTIBIOTIC RESISTANCE

Board of Trustees of the University of Illinois

Finding new antibiotics to combat “superbugs” by mining the genes of natural microbes

Website: www.bot.uillinois.edu

Overview video: <https://youtu.be/ilrGUi95ko4>

Northeastern University

Discovering new antibiotics from microbes in soil

Website: <https://www.northeastern.edu>

Overview video: https://youtu.be/drXfuvqY_oA

UC Regents

Combating antibiotic resistance through global tracking of infectious disease cases and effective treatments

Website: <https://twin-cities.umn.edu>

Overview video: <https://youtu.be/quT7XHGez4Y>

The University of Melbourne

Eliminating over-use of antibiotics in human and animal medicine

Website: www.unimelb.edu.au

Overview video: https://youtu.be/G5jL_J4fsPc

ARTS AND CULTURE

University of Southern California

Training cultural heritage scholars in digital preservation techniques

Website: www.usc.edu

Overview video: <https://youtu.be/l0T72JdhJ0s>

ASSISTIVE TECHNOLOGY

Beneficient Technology, Inc. DBA Benetech

Providing accessible books to people with disabilities

Website: www.benetech.org

Overview video: <https://youtu.be/S3MD9Pqyy9g>

Duke University

Deploying low-cost technologies and protocols to U.S. neurorehabilitation therapists and training them to use with patients at centers or on virtual reality platforms

Website: <https://www.duke.edu>

Overview video: <https://youtu.be/gOFj5rsOBIA>

University of California San Francisco Global Health Group

Fighting vector-borne diseases like malaria and dengue by mobilizing communities

Website: globalhealthsciences.ucsf.edu

Overview video: https://youtu.be/rm_zEAbADAs

CLEAN WATER AND SANITATION

ASU Foundation for A New American University

Democratizing access to safe drinking water through a new technology—“drinking water solar panels”

Website: asufoundation.org

Overview video: <https://youtu.be/XQOMDQpO4DM>

Carnegie Mellon University

Removing micropollutants from water using a new affordable, green technology

Website: <http://www.cmu.edu>

Overview video: <https://youtu.be/e-V52oFl7ms>

Columbia University

Designing innovative technical and financial models to improve water and sanitation infrastructure

Website: <http://www.columbia.edu>

Overview video: <https://youtu.be/qK2dYvXTkkU>

Duke University

Improving sanitation and empowering women through business development in Gujarat, India

Website: <https://www.duke.edu>

Overview video: https://youtu.be/OB_V8KDj5y0

Evidence Action

Providing safe drinking water through the distribution of bacteria killing chlorine dispensers

Website: <https://www.evidenceaction.org>

Overview video: <https://youtu.be/J82jpemNbPc>

Fundação Banco do Brasil

Collecting and storing rainwater in Brazil for drinking, cooking, and irrigation during the dry season

Website: www.fbb.org.br

Overview video: <https://youtu.be/hbtiPOSybwA>

Clean Water and Sanitation continued

The Ohio State University

Building sustainable solar-powered water systems in Tanzanian villages

Website: <https://www.osu.edu>

Overview video: <https://youtu.be/kOtwH9uVJ9o>

The Regents of the University of California, Berkeley Campus

Eliminating arsenic in drinking water in India and rural California

Website: <http://www.berkeley.edu>

Overview video: <https://youtu.be/WcjLXoCdSZg>

Safe Water Network

Providing safe water in Ghana and India through microenterprise

Website: <http://www.safewaternetwork.org>

Overview video: <https://youtu.be/5IJfgzkLmkM>

Stony Brook University

Purifying drinking water with nanotechnology and micro-enterprises

Website: www.stonybrook.edu

Overview video: <https://youtu.be/CENb3c5-dX4>

Water For People

Employing off-grid decentralized sanitation systems to recover energy and nutrients from human waste

Website: <https://www.waterforpeople.org>

Overview video: <https://youtu.be/jLJ9ms5ViPw>

CONSERVATION AND BIODIVERSITY

American Bird Conservancy/Alliance for Zero Extinction

Preventing global species extinction through land conservation and protection

Website: www.abcbirds.org/, www.zeroextinction.org

Overview video: <https://youtu.be/KICpAr5Ha7Y>

Arizona State University

Expanding the Sustainability Consortium Index to promote conservation in the supply chain

Website: www.asu.edu

Overview video: <https://youtu.be/L9w3Hell9g8>

Arizona State University

Measuring and identifying sustainability throughout the supply chain so retailers and consumers can make informed choices

Website: www.asu.edu

Overview video: <https://youtu.be/hTHWnzT3agM>

CAB International (CABI)

Fighting invasive species in agriculture and natural ecosystems

Website: <http://www.cabi.org>

Overview video: <https://youtu.be/CiO4FQ7WFfw>

California Polytechnic State University

Promoting effective marine reserve management in the Western Indian Ocean

Website: www.calpoly.edu

Overview video: <https://youtu.be/cOqgc1KJj64>

Environmental Defense Fund

Promoting sustainable fishing in Asia-Pacific oceans

Website: <https://www.edf.org>

Overview video: <https://youtu.be/Aargh5xfltw>

E.O. Wilson Biodiversity Foundation

Campaigning to conserve half the earth's land and water to protect species and habitat

Website: <https://eowilsonfoundation.org>

Overview video: <https://youtu.be/VF1Anlpf4PM>

Governors' Climate and Forests Task Force

Fighting deforestation through partnerships and collaboration

Website: <http://www.gcftaskforce.org>

Overview video: <https://youtu.be/Mj3O2-pGWoa>

Mesoamerican Reef Fund Inc

Protecting the Mesoamerican Reef and surrounding communities

Website: www.marfund.org

Overview video: <https://youtu.be/OgXt3STQ1do>

Oceana, Inc.

Rebuilding wild fish stocks to promote good nutrition and health

Website: oceana.org

Overview video: <https://youtu.be/g5XwljFdYNE>

Peace Parks Foundation

Conserving wildlife, supporting socio-economic development, and building security through cross national management of critical ecosystems in Africa

Website: <http://www.peaceparks.org>

Overview video: <https://youtu.be/lwO8uVFZZDE>

The Pew Charitable Trusts

Combating illegal fishing through global tracking and enforcement

Website: www.pewtrusts.org

Overview video: <https://youtu.be/odRWDLrObgY>

Conservation and Biodiversity continued

The Rockefeller University

Building a Digital Noah's Ark, cataloging genomes of endangered vertebrates

Website: <https://www.broadinstitute.org/vertebrate-genome-biology>

Overview video: <https://youtu.be/EwNR66FXwVk>

San Diego Zoo Global

Preserving plant and animal genetic material to fight extinction

Website: <http://institute.sandiegozoo.org>

Overview video: <https://youtu.be/Qkkado7thro>

Stitching the Ocean Cleanup

Removing plastic waste from the ocean

Website: <https://www.theoceancleanup.com>

Overview video: <https://youtu.be/rNkxaFrhGol>

CRIME, PUNISHMENT, AND REHABILITATION

American Bar Association Fund for Justice and Education

Transforming the public defender system in the United States to protect the right to counsel

Website: http://www.americanbar.org/groups/departments_offices/fund_justice_education.html

Overview video: <https://youtu.be/4SDDhw3wXDo>

Bridges of Iowa

Breaking the cycle of drug abuse and unemployment by providing cognitive behavior-based substance abuse treatment in jail settings

Website: <https://bridgesofiowa.org>

Overview video: https://youtu.be/ng_luHTPR9U

Harvard University

Addressing drugs as a public health issue through criminal justice diversion programs

Website: <http://www.harvard.edu>

Overview video: <https://youtu.be/Ez4FJ9cUUL0>

Prison Fellowship Ministries

Reducing prison recidivism through education and reentry programs

Website: <https://www.prisonfellowship.org>

Overview video: https://youtu.be/IS_X6eH-_6E

DISEASE CONTROL AND ERADICATION

Administrators of the Tulane Educational Fund

Combating emerging disease threats through surveillance, DNA sequencing, and tracking

Website: <https://www.tulane.edu/cepi>

Overview video: <https://youtu.be/cOF-tjlgYZw>

Broad Institute, Inc.

Rapidly detecting and responding to infectious disease outbreaks

Website: <https://www.broadinstitute.org>

Overview video: https://youtu.be/pUJgvrR8_WEO

The Carter Center, Inc.

Eliminating river blindness in Nigeria

Website: <https://www.cartercenter.org>

Overview video: <https://youtu.be/iWj2uWRoOJo>

Helen Keller International

Fighting podoconiosis in Africa through mapping, diagnostics, and education

Website: www.hki.org

Overview video: <https://youtu.be/YhXhdRyUXOg>

International Livestock Research Institute (ILRI)

Preventing infectious diseases transmitted from livestock and wildlife to people

Website: <https://www.ilri.org>

Overview video: https://youtu.be/4G6e_w0zWx0

The Leprosy Mission International

Controlling leprosy through prevention, early diagnosis, mapping, and treatment

Website: <https://www.leprosymission.org>

Overview video: <https://youtu.be/oxgB6Af86WA>

Monash University

Deploying bacteria that prevents mosquitoes from transmitting Zika, dengue, and chikungunya

Website: <http://www.monash.edu>

Overview video: <https://youtu.be/Dbk29Ksa1Vk>

The Regents of the University of California, Santa Barbara

Eliminating disease-carrying mosquitoes through genetic engineering

Website: www.ucsb.edu

Overview video: <https://youtu.be/OoB49KIHUtA>

Disease Control and Eradication continued

The University of Chicago

Eradicating human *Toxoplasma gondii*, a single-celled parasite, and the infection and diseases it causes

Website: www.uchicago.edu

Overview video: <https://youtu.be/lqlugqtz2JM>

Washington State University

Eliminating rabies in sub-Saharan Africa

Website: <https://wsu.edu>

Overview video: <https://youtu.be/3uk-lgA5klc>

DISEASE THERAPY AND TREATMENT

The Chancellor, Masters and Scholars of the University of Cambridge

Developing personalized treatment approaches for dementia

Website: <http://www.cam.ac.uk>

Overview video: <https://youtu.be/D9KKxKh0nGI>

Jhpiego Corporation

Fighting cervical cancer through vaccination, screening, and treatment

Website: <https://www.jhpiego.org>

Overview video: <https://youtu.be/5PeY49pC1Uo>

MiracleFeet

Treating club foot without surgery

Website: www.miraclefeet.org

Overview video: <https://youtu.be/pr1B8aPSH0>

Northwestern University

Fighting cancer through early detection and the development of new therapies

Website: <https://osr.northwestern.edu>

Overview video: https://youtu.be/Sf_Wi1LJ_Bs

NYU Langone Medical Center

Genetically engineering pigs to produce organs for human transplant

Website: nyulangone.org

Overview video: <https://youtu.be/POzNlIbvJc48>

Operation Smile Inc.

Promoting and delivering safe cleft surgeries in low-income global communities

Website: www.operationssmile.org

Overview video: <https://youtu.be/JJ06xIDTs4Y>

President and Fellows of Harvard College

Generating long-term, viable, and safe, cell therapy treatments for patients with ALS, diabetes, Duchenne muscular dystrophy, heart failure, and musculoskeletal disease

Website: <http://www.harvard.edu/about-harvard/harvards-leadership/president-and-fellows-harvard-corporation>

Overview video: <https://youtu.be/Oz32SDrT0q4>

University Hospitals Health System, Inc.

Developing new drugs for rare diseases

Website: www.uhhospitals.org

Overview video: <https://youtu.be/IFxHGPOIQ2w>

University of North Carolina at Chapel Hill

Developing low-cost, low-intensity cancer interventions in Malawi and scaling an evidence-based project to low and middle-income countries

Website: www.unc.edu

Overview video: <https://youtu.be/vPhbvSZAKsY>

The University of Texas at Austin

Developing radio-isotopes to treat cancer, heart disease, and infection

Website: <http://www.utexas.edu>

Overview video: <https://youtu.be/PqEZY34mBU0>

The University of Texas Health Science Center at Houston

Preventing brain disease through early detection

Website: <https://www.uth.edu>

Overview video: <https://youtu.be/7AVP6OAqJrE>

University of Washington Center for Dialysis Innovation

Making dialysis accessible and convenient

Website: cdi.washington.edu

Overview video: <https://youtu.be/vjcqjJDoAwQ>

ECONOMIC OPPORTUNITY

B Lab Company

Creating a global network of certified benefit corporations to change the trajectory of capitalism, reducing inequality and poverty

Website: <http://www.bcorporation.net>

Overview video: <https://youtu.be/OIF1KAC4IqY>

BRAC USA

Eradicating extreme poverty for 300,000 people in Uganda and Tanzania through a series of interdependent interventions within households

Website: <https://www.bracusa.org>

Overview video: <https://youtu.be/epJ-ENcNTNI>

Friends of WWB USA INC

Empowering girls through financial education and savings programs

Website: <https://www.womensworldbanking.org>

Overview video: <https://youtu.be/JpKU1yOezE4>

Generation LLC

Figuring out what works in youth employment training worldwide

Website: Overview video: <https://youtu.be/5X45iEJiGel>

GO Fintech LLC dba Meed

Offering affordable and accessible banking via mobile phones

Website: <https://meed.net>

Overview video: <https://youtu.be/7IKk24ZVGJ0>

Goodwill Industries International

Helping adults get high school diplomas and continue their education

Website: <http://www.goodwill.org>

Overview video: <https://youtu.be/HxQjnygaO-8>

Reading and Beyond

Breaking cycles of poverty through wrap-around services, education, and workforce development

Website: <http://www.readingandbeyond.org>

Overview video: <https://youtu.be/G89HLYyDUyo>

Tostan, Inc.

Scaling a community empowerment program in Guinea-Bissau, the Gambia, and Senegal to unlock the leadership potential of women and girls and achieve progress on economic and human development indicators

Website: www.tostan.org

Overview video: <https://youtu.be/jeXmQG3eyyo>

EDUCATION

ChildFund International

Ending child labor through education and economic support

Website: <https://www.childfund.org>

Overview video: <https://youtu.be/GVaKsu4m9w4>

Gooru Inc.

Designing free, virtual, interactive, and personalized STEM learning tools for middle and high school students

Website: <https://www.gooru.org>

Overview video: <https://youtu.be/uP71bISDC1c>

IBM Corporation

Increasing literacy through free smart phone-based personal learning programs

Website: <https://www.ibm.com>

Overview video: https://youtu.be/Psx_YierLPs

Khan Academy

Developing internationally-recognized diplomas for worldwide education and job access

Website: <https://www.khanacademy.org>

Overview video: <https://youtu.be/yOP0R4GaoeY>

Leland Stanford Junior University and NextGenU.org

Providing free higher education to train health care workers

Website: lsjumb.stanford.edu/, NextGenU.org

Overview video: <https://youtu.be/LdoaTbhsEgo>

Library For All

Creating a global library of free e-books

Website: <http://www.libraryforall.org>

Overview video: <https://youtu.be/1x6F4fmBtZM>

OneSky for All Children

Building local capacity to provide early interventions to unlock the potential of at-risk children in Asia

Website: onesky.org

Overview video: <https://youtu.be/S9mxsqx3FLo>

Playworks Education Energized

Leveraging play to develop empathy and conflict resolution skills among young children

Website: <http://www.playworks.org>

Overview video: <https://youtu.be/5VVMgscGv3Y>

Education continued

The Sapling Foundation

Developing online short video lessons on non-traditional subjects to spark creativity and curiosity
 Website: <https://youtu.be/5HjjDDtPc04>

Worldreader

Promoting literacy and reading through digitized books and online tools
 Website: <https://www.worldreader.org>
 Overview video: <https://youtu.be/MBeP6saOVXc>

ENVIRONMENTAL HEALTH

Trustees of Indiana University

Mapping chemical exposure and toxicity to protect human health
 Website: <http://trustees.iu.edu>
 Overview video: https://youtu.be/QZTW_y3MSR8

Virginia Tech

Facilitating community-based science to guard against toxic environmental exposures
 Website: <https://www.vt.edu>
 Overview video: <https://youtu.be/j8Y2Q7WPLOE>

FOOD SECURITY

BAIF Development Research Foundation

Fighting malnutrition by deploying solar-powered technology for drying fruits and vegetables
 Website: www.baif.org.in
 Overview video: <https://youtu.be/mz2sPE8Pl28>

Johns Hopkins University

Protecting honeybees by developing and deploying natural toxins against Varroa mites
 Website: <https://www.jhu.edu>
 Overview video: https://youtu.be/Qw4yoAqAu_Y

Carnegie Mellon University

Developing perennial staple crops in sub-Saharan Africa
 Website: www.cmu.edu
 Overview video: <https://youtu.be/aA7NxHgqWRw>

Massachusetts Institute of Technology

Leveraging microbes to provide nitrogen and phosphorus to crops and minimize harmful fertilizer use
 Website: <http://web.mit.edu>
 Overview video: <https://youtu.be/61C0B-dK3o8>

Cornell University

Revitalizing degraded agricultural soil in semi-arid regions
 Website: <https://www.cornell.edu>
 Overview video: <https://youtu.be/rxEDKfAXfKE>

Northeastern University

Transforming mariculture, supplanting livestock production, and industrial fishing, to provide sustainable, healthy animal protein to a growing human population
 Website: <https://www.northeastern.edu>
 Overview video: <https://youtu.be/Pqk4oKgqCJg>

Forever Oceans Corporation

Providing sustainable seafood through deep ocean seafood farming
 Website: www.foreveroceans.com
 Overview video: <https://youtu.be/RnVvA5qyDjl>

Oz Harvest Limited

Distributing surplus food to avoid waste, reduce carbon emissions, and fight hunger
 Website: www.ozharvest.org
 Overview video: <https://youtu.be/nfhiRnTLGVU>

HarvestPlus

Eliminating hidden hunger in Africa by fortifying staple crops
 Website: <http://www.harvestplus.org>
 Overview video: <https://youtu.be/2NdmuTwwQqM>

Purdue University

Storing grain without using insecticides to increase farmers' incomes, improve food security, and decrease health risks
 Website: www.purdue.edu
 Overview video: <https://youtu.be/EAlc5ElrUco>

International Plant Genetic Resources Institute operating as Bioversity International

Reviving "forgotten crops" and reducing unsustainable meat consumption
 Website: <http://www.bioversityinternational.org>
 Overview video: <https://youtu.be/Ya4KndJ1QtE>

Texas A&M AgriLife Research

Developing genetically engineered rice with high yields and low greenhouse gas emissions in tropical climates
 Website: agriliferesearch.tamu.edu
 Overview video: <https://youtu.be/Q5UsFMEnRo>

Iowa State University

Developing crops with enhanced nutrient content
 Website: <https://www.iastate.edu>
 Overview video: https://youtu.be/6Yw_9qJgSuk

Food Security continued

University of California Davis (UC Davis)

Developing crop drying and storage systems to prevent food waste and contamination

Website: <https://www.ucdavis.edu>

Overview video: <https://youtu.be/-Xahy8rETEQ>

University of California San Diego

Cultivating algae as a sustainable source of dietary protein

Website: <https://ucsd.edu>

Overview video: <https://youtu.be/85wqMSqSbz4>

University of Minnesota

Protecting Upper Midwest U.S. soil and water through cover crops that prevent erosion

Website: <https://twin-cities.umn.edu>

Overview video: <https://youtu.be/6MUBhqInmMY>

The University of Sydney

Developing new wheat strains fortified with zinc and iron

Website: <https://sydney.edu.au>

Overview video: https://youtu.be/Hf_s05oUizE

World Agroforestry Centre

Restoring land threatened by deforestation, over-grazing, and charcoal production in several sub-Saharan African regions

Website: <http://www.worldagroforestry.org>

Overview video: <https://youtu.be/a8tALDwT1t4>

World Wildlife Fund, Inc.

Fighting food waste through incentives, market tools, and metrics

Website: www.worldwildlife.org

Overview video: https://youtu.be/yHb_ZU3Zcq0

HEALTH BEHAVIORS

American Heart Association

Reducing children's consumption of unhealthy sugary drinks through policy reform and education

Website: www.heart.org

Overview video: <https://youtu.be/FKTVhdkJYV0>

The George Institute for Global Health Behaviors

Cataloging the global food supply and using the data to enhance nutrition and improve diets

Website: <http://www.georgeinstitute.org/units/food-policy>

<https://youtu.be/19d4Vwtk9Ck>

The Trustees of the University of Pennsylvania

Improving life and health through behavior change interventions

Website: www.upenn.edu

Overview video: https://youtu.be/7dUUqtRQG_Y

Tufts University

Promoting healthy eating in the U.S

Website: <https://www.tufts.edu>

Overview video: <https://youtu.be/ENs9vhM9IOM>

University of California, San Francisco (UCSF) Center for Vulnerable Populations

Mobilizing youth to prevent diabetes

Website: <https://cvp.ucsf.edu>

Overview video: <https://youtu.be/skj4TdHSW00>

HEALTH CARE DELIVERY

Colorado State University

Advancing access to radiotherapy for cancer patients

Website: <http://www.colostate.edu>

Overview video: <https://youtu.be/zL9SqLCyqjM>

Health Leads, Inc.

Making social needs like housing and nutrition an intrinsic part of health care provision

Website: <https://healthleadsusa.org>

Overview video: <https://youtu.be/D0JMolG0MY0>

HudsonAlpha

Promoting proactive healthcare through deployment of genomic-guided medicine into the public health system

Website: hudsonalpha.org

Overview video: <https://youtu.be/hbHFjY8fc6k>

Human Dx, Ltd. / Human Diagnosis Project, Ltd.

Providing virtual access to specialist medical care for underserved U.S. patients

Website: <https://www.humandx.org>

Overview video: <https://youtu.be/TarS4K3eoss>

Northwestern University

Establishing a new model of primary care in underutilized Chicago schools by making high-quality care locally accessible

Website: www.northwestern.edu

Overview video: <https://youtu.be/APG4JwCZVR0>

Health Care Delivery continued

The Ohio State University Comprehensive Cancer Center

Preventing cancer through screening and surveillance of genetically high-risk individuals

Website: <https://cancer.osu.edu/about/locations/the-james-cancer-hospital-and-solove-research-institute>

Overview video: <https://youtu.be/p6rYBgNvTbY>

Partners In Health

Deploying community health workers with modern digital tools

Website: <http://www.pih.org>

Overview video: <https://youtu.be/tf57U990z1U>

President and Fellows of Harvard College

Strengthening the delivery of surgical care in Sierra Leone

Website: <http://www.harvard.edu/about-harvard/harvards-leadership/president-and-fellows-harvard-corporation>

<https://youtu.be/llx9-cn9-ZA>

The Trustees of Columbia University in the City of New York

Promoting maternal and infant health through technology and community engagement

Website: <http://secretary.columbia.edu/trustees-columbia-university>

Overview video: https://www.youtube.com/watch?v=oj_fU_i7kfw

Overview video: https://www.youtube.com/watch?v=oj_fU_i7kfw

HOUSING AND HOMELESSNESS

Community Solutions International, Inc.

Ending chronic homelessness through supportive housing

Website: www.cmtysolutions.org

Overview video: <https://youtu.be/3lti4taioP8>

Foundation for Charitable Activities in Bangladesh (FCAB)

Resettling climate refugees from Bangladesh's coastlines

Website: www.fcabd.org

Overview video: https://youtu.be/Cg-pKQ4_-HA

Project HOME

Fighting chronic homelessness through housing and holistic case management

Website: <https://projecthome.org>

Overview video: <https://youtu.be/dY9QKXhpatI>

Vermont Energy Investment Corporation

Facilitating home-ownership and car-sharing for lower income families

Website: <https://www.veic.org>

Overview video: <https://youtu.be/xK4p6lgEddY>

HUMAN TRAFFICKING

Seattle Foundation

Fighting sex trafficking and sexual exploitation by reducing demand and changing norms

Website: www.endingexploitation.com

Overview video: <https://youtu.be/nXPnVzO84Xw>

INFORMATION AND MEDIA ACCESS AND INCLUSION

The Internet Archive

Providing digital access to four million books

Website: <https://archive.org>

Overview video: <https://youtu.be/5eMqwgFEavA>

The University of Edinburgh

Providing robust, affordable, solar-powered internet access to remote regions

Website: www.ed.ac.uk

Overview video: <https://youtu.be/sM9bc8OSwdU>

INTERNATIONAL PEACE AND SECURITY

Polis Center, Indiana University Purdue University, Indianapolis

Eradicating land mines through technology, mine removal, advocacy, and education

Website: <http://polis.iupui.edu>

Overview video: <https://youtu.be/krYwxL-ltMM>

Project for Public Spaces

Empowering community members to transform public urban spaces

Website: <https://www.pps.org>

Overview video: <https://youtu.be/bMePTc4WHmM>

MATERNAL AND REPRODUCTIVE HEALTH

American College of Obstetricians and Gynecologists

Fighting maternal death during childbirth through training and community care

Website: www.acog.org

Overview video: <https://youtu.be/h2CojX1OvYU>

ayzh, Inc.

Providing women affordable, culturally relevant products that support childbirth, newborn and postpartum health, and menstrual hygiene

Website: www.ayzh.com

Overview video: <https://youtu.be/lefFrQ0PdfU>

DKT International, Inc.

Expanding access to contraception through leveraging existing commercial infrastructure in the developing world

Website: www.dktinternational.org

Overview video: <https://youtu.be/vilkd-uezu0>

Living Goods

Training community health workers to improve basic health care in Africa

Website: <https://livinggoods.org>

Overview video: <https://youtu.be/9mfmlcAHuWQ>

MSI-US

Deploying 20,000 community health workers across Africa to provide reproductive health services

Website: <https://www.msi-us.org>

Overview video: <https://youtu.be/orcPuqpRJQY>

Praekelt Foundation NPC

Improving maternal and infant health through mobile phone based health messaging

Website: www.praekelt.org

Overview video: <https://youtu.be/ga21TWQG9OI>

Regents of the University of Michigan

Eliminating preventable maternal and early neonatal death in sub-Saharan Africa through OBGYN training

Website: <http://www.regents.umich.edu>

Overview video: https://youtu.be/z_wdrhKKVIs

MEDICAL INFORMATICS

Children's Medical Research Institute

Analyzing cancer samples and treatment outcomes worldwide for a digitized library

Website: <http://www.cmri.org.au>

Overview video: https://youtu.be/moFdZ6WM_wM

Curoverse, Inc.

Creating a high quality public resource of genomic and health data to inform disease diagnosis and treatment with the help of well-consented participants

Website: curoverse.com/100andChange

Overview video: <https://youtu.be/de7y-kJCS5U>

The Regents of the University of Michigan

Providing health monitoring tools and education for people with chronic disease

Website: www.regents.umich.edu

Overview video: <https://youtu.be/b74f7b6BYkQ>

Sanford Research

Improving health care in isolated areas through data and telemedicine

Website: www.sanfordresearch.org

Overview video:

State University of New York at Buffalo

Developing a platform to screen and rank all human-use drugs

Website: <http://www.buffalo.edu>

Overview video: <https://youtu.be/2tI8RZXyO-M>

University of California San Diego

Mapping cancer cell genomes to develop personalized treatments

Website: <https://ucsd.edu>

Overview video: <https://youtu.be/LHs312JNbUw>

Medical Informatics continued

University of Chicago

Creating a massive open database of cancer genomic data, facilitating research and treatment
 Website: www.uchicago.edu
 Overview video: <https://youtu.be/7paZO4xRm4U>

University of North Carolina at Chapel Hill

Indexing under-studied proteins in the human genome to facilitate drug research and development
 Website: <http://www.unc.edu>
 Overview video: <https://youtu.be/JO7Eg6Kc-qk>

Vanderbilt University Medical Center

Cataloging human immune system genes to understand diseases and find cures
 Website: <https://ww2.mc.vanderbilt.edu>
 Overview video: <https://youtu.be/gPdwiNUEkkM>

MENTAL HEALTH

Board of Regents of The University of Texas System

Improving screening and care for serious mental illness in Texas
 Website: <https://www.utsystem.edu/board-of-regents>
 Overview video: <https://youtu.be/QjppQlu2dC4>

Crisis Text Line

Establishing a global, text-based hotline service for suicide and mental health counseling
 Website: <http://www.crisistextline.org>
 Overview video: <https://youtu.be/mgue7zX6pp8>

Florida Institute of Technology

Creating a web-based hub for screening and treatment of autism
 Website: www.fit.edu
 Overview video: <https://youtu.be/CRpLv9g1mn0>

Give an Hour

Changing the culture around mental health in the U.S.A. through education and outreach
 Website: <https://www.giveanhour.org>
 Overview video: <https://youtu.be/ljIRU8iXudo>

Grand Challenges Canada

Providing universal mental health care through evidence-based community solutions
 Website: www.grandchallenges.ca
 Overview video: <https://youtu.be/QvjvgYtGbOM>

The Regents of the University of California - on behalf of the UCLA campus

Preventing and treating depression in poorly resourced areas
 Website: regents.universityofcalifornia.edu
 Overview video: https://youtu.be/qokoJ_FtTIY

Southcentral Foundation

Providing mental health care, basic needs, and mentoring to Alaska Native families and children
 Website: <https://www.southcentralfoundation.com>
 Overview video: <https://youtu.be/0SZI66rtMps>

NEWBORN HEALTH

Save the Children Federation, Inc.

Reducing neonatal mortality by preventing infections, ensuring warmth, and providing optimal feeding
 Website: www.savethechildren.org
 Overview video: <https://youtu.be/ffOuRMRN0K0>

William Marsh Rice University

Improving newborn survival in Africa
 Website: <http://www.rice.edu>
 Overview video: https://youtu.be/o_WJDA1EgT4

PRIVACY RIGHTS

**Consumers Union of United States, Inc.,
dba Consumer Reports**

Protecting consumers in the digital marketplace
Website: <http://consumersunion.org>
Overview video: <https://youtu.be/w5SEAE3-uXo>

PUBLIC SECTOR CAPACITY BUILDING

**The Board of Trustees of the Leland Stanford
Junior University**

Creating tools for data-driven public policy
Website: <http://facts.stanford.edu/administration>
Overview video: <https://youtu.be/H808rP-lh5w>

what3words

Mapping and creating addresses for informal settlements,
enabling government services and health care
Website: what3words.com
Overview video: <https://youtu.be/KPiD-gkBsqs>

University of Toronto

Collecting data on death in Asia and Africa, facilitating
study of mortality and climate change
Website: <https://www.utoronto.ca>
Overview video: <https://youtu.be/ZlgkMklbGPo>

RACIAL, ETHNIC AND GENDER JUSTICE, EQUITY, AND INCLUSION

Johns Hopkins University

Fostering social cohesion in Baltimore neighborhoods
and developing a template for inclusive revitalization for
U.S. cities
Website: <https://www.jhu.edu>
Overview video: <https://youtu.be/zPTI82oawfY>

Pro Mujer

Empowering women in Latin America through
financial opportunities, health care, and support for
victims of violence
Website: promujer.org
Overview video: <https://youtu.be/yINr8rwD1z8>

REFUGEES AND VICTIMS OF CONFLICT

Sesame Workshop

Educating children displaced by conflict and persecution
Website: www.sesameworkshop.org
Overview video: <https://youtu.be/99qeQSTmSaw>

Southern New Hampshire University

Providing higher education and accredited degrees to
refugees in emergency situations
Website: <http://www.snhu.edu>
Overview video: https://youtu.be/F33g_Y8OnoE

RESILIENCE AGAINST CLIMATE CHANGE

Columbia University

Identifying opportunities for coordinated behavior across countries to reduce greenhouse gas emissions

Website: www.columbia.edu

Overview video: https://youtu.be/DGnRc_8JsVU

Environmental Defense Fund

Reduce global warming by using science to pinpoint the sources of emissions and creating a campaign that generates the will for policymakers and the oil and gas industry to act

Website: <https://www.edf.org>

Overview video: <https://youtu.be/mdHzFLDriQO>

WWF Brasil

Fighting climate change, augmenting soil, and providing energy through decentralized production of biochar

Website: http://wwf.panda.org/who_we_are/wwf_offices/brazil

Overview video: <https://youtu.be/oXPivLy6vCs>

RESILIENCE AGAINST CLIMATE CHANGE AND ENVIRONMENT

Aclima, Inc.

Deploying networked air pollution sensors in 50 cities worldwide

Website: <https://aclima.io>

Overview video: <https://youtu.be/1Lwo-IXbs8g>

Climate Policy Initiative

Developing financial tools for investment in climate change mitigation and adaptation

Website: <https://climatepolicyinitiative.org>

Overview video: <https://youtu.be/fUkxxDXy6Bc>

Deakin University

Protecting coastal zone carbon sinks to combat climate change and provide resources

Website: www.deakin.edu.au

Overview video: <https://youtu.be/mGFy7nyWh0c>

Dioxide Materials, Inc.

Demonstrating new approaches to carbon capture and fuel production

Website: <https://dioxidematerials.com>

Overview video: <https://youtu.be/HU9z6nuDwCM>

Ecology Action of the Midpeninsula

Using organic farming principles to improve soil capacity, crop yields, and financial outcomes for small farmers

Website: <http://www.growbiointensive.org>

Overview video: <https://youtu.be/zNZhNkuRe-A>

Greening Australia Limited

Reducing sediment run-off to protect the Great Barrier Reef

Website: <https://www.greeningaustralia.org.au>

Overview video: <https://youtu.be/G3U339JckBg>

One Acre Fund

Helping small farmers in East Africa adapt to climate change and improve yields

Website: <https://www.oneacrefund.org>

Overview video: <https://youtu.be/H9HdfLhqAfM>

Trustees of Princeton University

Monitoring ocean temperatures and climate change with floating autonomous robots

Website: <https://www.princeton.edu/vpsec/trustees>

Overview video: <https://youtu.be/mFypYbuoWnE>

University of South Florida

Restoring coral reefs with local stakeholders

Website: www.usf.edu

Overview video: <https://youtu.be/rsvqgx16CVQ>

RESILIENCE AGAINST NATURAL DISASTERS

Rutgers, The State University of New Jersey

Predicting catastrophic storms through undersea robotic gliders

Website: www.rutgers.edu

Overview video: <https://youtu.be/d3tXLNBfYSQ>

RURAL POVERTY

Evidence Action

Reducing seasonal income insecurity among rural households through migration subsidies

Website: <https://www.evidenceaction.org>

Overview video: https://youtu.be/L_FjIT2D3rs

Shared-X LLC

Teaching small cacao and coffee farmers sustainable farming practices

Overview video: <https://youtu.be/fm3hUxMFqc8>

Stanford University

Providing energy, education, health care, and sanitation for rural villages

Website: <https://www.stanford.edu>

Overview video: <https://youtu.be/BkPFONQ3u1I>

SOCIAL PROTECTION AND/OR SAFETY NETS

Catholic Relief Services - United States Conference of Catholic Bishops

Changing how society cares for children in orphanages

Website: <http://www.crs.org>

Overview video: <https://youtu.be/xECBsNPkOZ4>

Institute for the Future

Creating a guild for workers across sectors nationwide, offering benefits, advocacy, and support

Website: www.dataforcities.org

Overview video: <https://youtu.be/fiGQxvmuITQ>

LIFE ElderCare

Expanding Meals on Wheels food and service delivery to senior citizens

Website: lifeeldercare.org

Overview video: <https://youtu.be/kmIPhhJzYME>

Plan International USA, Inc.

Accelerating birth and death registrations in Ghana and Zambia to facilitate rights and services

Website: <https://www.planusa.org>

Overview video: <https://youtu.be/u011ZKTzSb0>

Washington University

Preventing child maltreatment in the U.S. through restructuring public health and family service systems

Website: <https://wustl.edu>

Overview video: <https://youtu.be/6p7GufxeskU>

SUSTAINABLE CITIES, COMMUNITIES, AND REGIONS

ASU Foundation for A New American University

Revolutionizing public health management, using data-driven decision-making, informed by near- real-time population health monitoring

Website: <https://www.asufoundation.org>

Overview video: <https://youtu.be/Kqq4nqAu4og>

Habitat for Humanity International

Revitalizing distressed neighborhoods by connecting and organizing residents

Website: <http://www.habitat.org>

Overview video: <https://youtu.be/vfChkVJ1Pz0>

ISEAL Alliance

Transforming business practices and promoting conservation through the adoption of sustainability standards

Website: www.isealalliance.org

Overview video: <https://youtu.be/GuhQvHptPzM>

RAND Corporation

Improving life in rural U.S. communities through education, economic development, health, and technology

Website: www.rand.org

Overview video: <https://youtu.be/Wsy6aKR-rys>

The Regents of the University of Colorado

Enabling renewable ammonia production using concentrated sunlight, air, and water to facilitate improved use of farmable land

Website: <http://www.cu.edu/regents>

Overview video: <https://youtu.be/AqS74QYalHU>

Sustainability Leaders Network

Identifying place-based climate solutions through participatory engagement of local communities

Website: www.sustainabilityleadersnetwork.org

Overview video: <https://youtu.be/TXhzRPbKPSc>

**Sustainable Cities, Communities, and Regions
continued**

World Council on City Data

Facilitating data-driven innovation in cities through a global open data platform

Website: www.dataforcities.org

Overview video: <https://youtu.be/aICnXZRI4pg>

VACCINE DEVELOPMENT

Beth Israel Deaconess Medical Center

Developing a Zika virus vaccine

Website: <http://www.bidmc.org>

Overview video: <https://youtu.be/liEFKQCNqUw>

Duke University

Developing an HIV vaccine that prevents infection

Website: <https://www.duke.edu>

Overview video: <https://youtu.be/9Uejb1lcV00>

Icahn School of Medicine at Mount Sinai

Developing an influenza vaccine that provides lifetime protection against diverse flu strains

Website: <http://icahn.mssm.edu>

Overview video: <https://youtu.be/-TpYUY9dL9g>

Roswell Park Alliance Foundation

Developing a vaccine targeted at lung cancer most common in smokers

Website: www.roswellpark.org

Overview video: <https://youtu.be/s2x0TZ6-quM>

VISION CARE

Himalayan Cataract Project

Eliminating needless blindness in Nepal, Ethiopia, and Ghana

Website: <http://www.cureblindness.org>

Overview video: <https://youtu.be/hNu6xDhigMs>

Seva Foundation

Providing accessible and low-cost eye care in developing countries

Website: www.seva.org

Overview video: <https://youtu.be/NnKrEUfOYng>

Wynn Institute for Vision Research

Preventing and curing blindness through basic and clinical research and novel clinical treatment modalities

Website: www.wivr.uiowa.edu

Overview video: <https://youtu.be/SFCLXwm3rmY>

ADDITIONAL RESOURCES

www.100andchange.org

www.macfound.org/8boldsolutions

www.macfound.org/perspectives-100change/

ABOUT THE MACARTHUR FOUNDATION

The John D. and Catherine T. MacArthur Foundation supports creative people, effective institutions, and influential networks building a more just, verdant, and peaceful world. MacArthur is placing a few big bets that truly significant progress is possible on some of the world's most pressing social challenges, including over-incarceration, global climate change, nuclear risk, and significantly increasing financial capital for the social sector. In addition to the MacArthur Fellows Program, the Foundation continues its historic commitments to the role of journalism in a responsible and responsive democracy; the strength and vitality of our headquarters city, Chicago.

For more information or to sign-up for news and event updates, please visit www.macfound.org.

John D. and Catherine T.
MacArthur Foundation
140 South Dearborn St., Suite 1200
Chicago, Illinois 60603-5285
Telephone: (312) 726-8000

 www.macfound.org

 twitter.com/macfound

 youtube.com/macfound

 facebook.com/macarthurfdn

 linkedin.com/company/macarthur-foundation