Conservation X Labs (http://www.conservationxlabs.com/) is searching for extraordinarily creative individuals who are interested in transforming conservation. We have one opportunity for the summer, based in Washington DC, to work with us to harness open innovation, exponential technologies, and entrepreneurship to dramatically improve the efficacy, cost, speed, and scale of conservation efforts to end human induced extinction. Help us create a conservation technology community, manage the first grand challenge for conservation around aquaculture, support new technologies to address wicked conservation problems, and design new incubator/acceleration platforms for conservation innovation & technology.

Compensation:
Paid position, 40 hours per week

Duties:
Conservation X labs is seeking an open innovation summer fellow with a passion for conservation & development, but also sourcing, developing, and implementing transformational solutions. The fellow will work on a variety of projects that requires expertise in the following:

- Conducting due diligence around new technologies and innovations for conservation, with a particular focus on oceans and food systems, understanding market potential, and assessing market readiness.

- Supporting the Blue Economy Challenge on rethinking solutions for Aquaculture, including organizing peer review panels, reviewing applications, setting up a pitch session, selecting innovations, supporting social media and communications around the award event, and organizing a multilateral prize event.

- Developing a catalogue of new technologies for transforming conservation, including identifying technologies from adjacent spaces that may be applied to conservation such as microbiology, synthetic biology, gene editing, sensors, 3D Printers, nanotechnology, nanosatellites, and drones.

- Contributing to the development of specific technologies through open source approaches, including engaging a diverse community of conservationists, engineers, technologists, marketing and finance experts.

- Organizing university events in partnership with leading environmental schools, and other institutions.

- Writing or editing science-based materials for multiple audiences and media, i.e. peer-reviewed articles, news stories, Linked-in articles, Tweets, and Facebook posts.
Preferred Qualifications & Characteristics.

- Bachelors degree in conservation biology, marine sciences, ecology, physics, biomedical, electrical or chemical engineering, design, business or related field. OR at least three years of undergraduate education in these fields working towards a degree at an accredited university. Advanced degree in conservation, business, or marine science, or engineering welcome.

- Organized and demonstrated ability to manage multiple projects within a fast moving, and highly chaotic environment.

- Self-starter, with an ability to take initiatives and lead them without significant need for supervision and willingness to work in a nontraditional office environment.

- Passion for open innovation, advancing technology, social entrepreneurship, and the courage to take new approaches to really difficult solutions.

- Technical skills and proficiency (and/or willingness to learn) in searching and synthesizing scientific & business literature; basic coding, website development, and database management, communications & storytelling; organizing logistics for local or global events; strong editing and writing skills for science-based material for multiple audiences and media.

Please send your resume, cover letter, plus the contact information for two references. We would love to see your ideas upfront: Propose an idea for a new technology, prize, or innovation that could transform conservation through an infographic or a paragraph. Email the materials to Barbara@conservationxlabs.org by May 15th.
CONSERVATION TECHNOLOGY FELLOW, DNA BARCODE SCANNER PROJECT, CONSERVATION X LABS

Conservation X Labs (http://www.conservationxlabs.com/) is searching for extraordinarily creative individuals who are interested in transforming conservation. We have one opportunity for the summer, based in Los Angeles, CA, to work with us to harness open innovation, exponential technologies, and entrepreneurship to dramatically improve the efficacy, cost, speed, scale of conservation efforts to end human induced extinction. You will be working in our maker’s space on developing new technologies for conservation, with a focus on creating a DNA Barcode Scanner designed for the developing world. You will be part of a small, but powerful team of innovators.

Compensation:
Paid position, 40 hours per week. May be extended.

Duties:
Conservation X labs is seeking a technology fellow with a strong background in biomedical engineering, electrical engineering, computer science, chemical engineering and/or evolution/population genetics background to help with the development of an open source DNA Barcode Scanner that harnesses the Barcode for Life Library for use in identification of fish to combat seafood fraud, wildlife and timber trafficking, and improve traceability of these products. We are looking for makers/biohackers/technologists who are interested in creating new tools for conservation. Other activities will include helping identify new technologies from emerging areas of science and engineering, and creating a catalogue of future breakthroughs.

Preferred Qualifications & Characteristics:

- Bachelors degree in biomedical engineering, chemical engineering, or electrical engineering, population genetics, or biophysics, or 3 years of experience leading to a degree in one of these areas; masters degree or higher preferred.

- Along with a demonstrated knowledge of biomedical engineering and/or genetics, the fellow must have a demonstrated understanding of conservation biology, and a desire to apply physical sciences to solving conservation & development projects.

- Experience with DNA microarrays, computational genetics, Arduino components, image analysis, DNA isolation and amplification protocols preferred.

- Self-starter and ability to take on a project without significant supervision, including taking initiative to consult others.
- Able to work in a non-office environment (maker’s space.)
- Demonstrated experience integrating different technologies, mapping selection criteria for choosing potential technology pathways, and design considerations for technology use in the developing world.
- Background in creating scripts for database accessing, Arduino programming, or image interpretation.
- Experience with product or hardware development is preferred.

Please send your resume, cover letter, plus the contact information for two references.

Propose an idea for a new technology, prize, or innovation that could transform conservation through a paragraph write up or an infographic. Email the materials to Barbara@conservationxlabs.org by May 15th.
CONSERVATION OPEN INNOVATION FELLOW, CONSERVATION INNOVATION PLATFORM, CONSERVATION X LABS (DC)

Conservation X Labs (http://www.conservationxlabs.com/) is searching for extraordinarily creative individuals who are interested in transforming conservation. We have opportunities for the summer, based in Washington DC, to work with us to create an open innovation platform for sourcing, incubating, and accelerating technologies for conservation through an open hardware platform. Help us create the future of conservation.

Compensation:
Paid fellowship, 40 hours per week, Summer 2016. May be extended.

Duties:
Conservation X labs is seeking an open innovation fellow with a passion for conservation & development, but also sourcing, developing, and implementing transformational financial, behavioral, and technological innovations for advancing conservation. The fellow will work on a variety of projects that requires expertise in creating an open innovation platform for crowdfunding, open hardware development, incubation/acceleration, and story telling to advance conservation technologies. You will work with developers to help create transformative innovations for conservation & development through open source approaches, including engaging a diverse community of conservationists, engineers, technologists, marketing and finance experts.

Additional duties will also include assessing market readiness of new innovations and enterprises, assessing the potential for transformation of market segments, including developing new sources of protein, new ocean products, the applicability of emergent science & technology to conservation, needs assessments of technology breakthroughs for conservation, design & prototyping, understanding current constraints to scaling new technologies, and support for entrepreneurs.

Preferred Qualifications & Characteristics.

- Bachelors degree in conservation biology, ecology, physics, biomedical, electrical or chemical engineering, design, business or related field. OR at least three years of undergraduate education in these fields working towards a degree at an accredited university. Advanced degree in conservation, business, or science, or engineering welcome.

- Organized and demonstrated ability to manage multiple projects within a fast moving, and highly chaotic environment.

- Self-starter, with an ability to take initiatives and lead them without significant need for supervision and willingness to work in a nontraditional office environment.
- Ability to think creatively about the future of conservation, and work across disciplines.
- Passion for open innovation, advancing technology, social entrepreneurship, and the courage to take new approaches to really difficult solutions.
- Experience working with sourcing innovations, prototyping and iterating technology, product development, incubation, marketing, and acceleration.
- Technical skills and proficiency (and/or willingness to learn) in searching and synthesizing scientific & economic literature; basic coding, website development, and database management, communications & storytelling; organizing logistics for local or global events; strong editing and writing skills for science-based material for multiple audiences and media.

Please send your resume, cover letter, plus the contact information for two references.

We would love to see your ideas upfront through an infographic or paragraph: Propose an idea for a new technology, prize, or innovation that could transform conservation. Email the materials to Barbara@conservationxlabs.org by May 15th.