Global Genes®
Allies in Rare Disease

# Medical & Science Advisory Board

Below are some further resources that highlight cases of undirected basic research leading to major advances that may lead to new ways to study rare diseases or, possibly, to new treatments.

## CRISPR for Gene Editing

**A Powerful New Way to Edit DNA**
The New York Times (2014)
http://www.nytimes.com/2014/03/04/health/a-powerful-new-way-to-edit-dna.html

**Everything You Need to Know About CRISPR**
Gene Editing's Monster Year
MIT Technology Review (2015)
https://www.technologyreview.com/s/543941/everything-you-need-to-know-about-crispr-gene-editings-monster-year/

**Year in Review: CRISPR Blossoms**
The Scientist (2015)
http://www.the-scientist.com/?articles.view/articleNo/44796/-title/Year-in-Review--CRISPR-Blossoms/

**Breakthrough DNA Editor Born of Bacteria**
Quanta Magazine (2015)
https://www.quantamagazine.org/20150206-crispr-dna-editor-bacteria/

**Antibodies Part 1: CRISPR**
Radiolab (2015)
http://www.radiolab.org/story/antibodies-part-1-crispr/

**CRISPR Gene Editing to Be Tested on People by 2017, Says Editas**
MIT Technology Review (2015)
https://www.technologyreview.com/s/543181/crispr-gene-editing-to-be-tested-on-people-by-2017-says-editas/

## Optogenetics

**Optogenetics: Controlling the Brain with Light**
Scientific American (2010)
https://www.scientificamerican.com/article/optogenetics-controlling/

**Explained: Optogenetics**
Massachusetts Institute of Technology (2013)
https://www.youtube.com/watch?v=Nb07TLkJ3Ww

**Lighting the Brain**
The New Yorker (2015)
http://www.newyorker.com/magazine/2015/05/18/lighting-the-brain

**In First Human Test of Optogenetics, Doctors Aim to Restore Sight to the Blind**
MIT Technology Review (2016)
https://www.technologyreview.com/s/600696/in-first-human-test-of-optogenetics-doctors-aim-to-restore-sight-to-the-blind/