

# Give the RASopathies Network a Treat this Halloween

Between **now and October 31**, 2014  
Text "**RARE**" to **85944**  
and reply **YES** to donate \$10  
to advance RASopathies research  
and help this rocket ship blast off!

Your \$10 donation is tax-deductible *and* the EveryLife Foundation will match up to \$1,000.

Thank you so much for your support!

RASopathies Network USA is a 501c3 Nonprofit Charity ~ <http://rasopathiesnet.org>



## **RASopathies**

~ A group of rare genetic conditions caused by mutations in genes of the Ras-MAPK pathway

Syndromes include:

- Cardio-Facio-Cutaneous (CFC)
- Costello (CS)
- Legius
- Neurofibromatosis type I (NF1)
- Noonan (NS)
- Noonan with Multiple Lentigines (NSML)/LEOPARD

What they share:

- distinct facial features
- developmental delays
- cardiac defects
- growth delays
- neurologic issues
- gastrointestinal difficulties

RASopathies are among the most common genetic syndromes (~1:1000)