

Giorgio Borzellino seemed like a perfectly healthy baby at first, but his parents started to sense that something was off when he began missing significant childhood milestones. Doctors first suspected autism, but when Giorgio was five years old, a neurologist correctly diagnosed **neurofibromatosis type 1 (NF1).** 

NF1 occurs in about **1 in every 3,000** births. While some with NF1 can lead full lives, many suffer disfiguring and disabling complications including tumors, learning difficulties, and bone deformities.

Sadly, no surgery or treatment can stop it. With the hope of achieving scientific breakthroughs that will improve lives, Giorgio's family established **The Giorgio Children's Foundation, which directly funds researchers focused on NF1.** 



# The dream for me? TUMOR FREE

#### What is **NF1?**

**Neurofibromatosis type 1 (NF1)** is a genetic condition impacting the chromosome that produces a protein which prevents cells from growing too quickly. It affects all populations equally, regardless of gender, race, or ethnicity. Symptoms appear over time, with the most common being six or more small, flat, brown spots that appear on the skin in early childhood. Throughout adolescence and adulthood, the missing protein may cause painful skin tumors to grow and become debilitating.

#### Other manifestations of NF1 include:

- Learning difficulties
- Fragility or curving of leg bones
- Scoliosis
- Benign spots on the eyes

Not all NF1 sufferers experience the same complications. The uncertainty of what lies ahead with this disease is scary.

What does it **LOOK LIKE?** 



**Early Childhood** 

"I wake up with a bump on my face and pray it's a pimple, not the start of a tumor."

JOHN, TEENAGER WITH NFI



Adolescence



Adulthood

How to Give:





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100%

of your donation directly supports NF1 research.
All administrative expenses are privately funded.

Contact Us: (917) 287-9628 INFO@ENDNF1.ORG

### Meet our

# **Expert Research Team**



**David H. Gutmann** MD, PhD **Director of Washington University NF Center** Washington University



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## You are **MAKING AN IMPACT**



Over \$3M of medical research funding since 2016



Research focused on gene repair and treatment for skin tumors



15 groundbreaking research studies at major universities



Discovered cell origin of NF and developed antibody to detect NF protein



#### The dream for me? TUMOR FREE

For Giorgio, one of the scariest things about the disease is the painful tumors that may develop over time. His dream is to be tumor free.

Giorgio's grandfather, Ben Stapelfeld, helped establish The Giorgio Foundation. His dream for his grandson and others with NF1 is to lead full and rewarding lives.

#### How to Give:



