New research study for children, adolescents, and adults with Noonan Syndrome and other non-Neurofibromatosis type 1 (NF-1) RASopathies called “Central nervous system cancers in patients with non-NF-1 RASopathies”

**Eligibility:**
- Subjects of any age with any RASopathy except for NF-1
- Presence of brain and/or spinal cord abnormalities by MRI suggestive of tumor (cancer) even without confirmatory surgery

**Study requirements:**
- Permission to assess clinical chart to collect limited clinical and radiologic characteristics (including MRIs) related to RASopathy and brain tumor(s)
- Permission to obtain leftover tumor samples (if available) and to collect saliva for genetic studies

**Contact:**
Dr. Alberto Broniscer, M.D., M.S.
Director of Neuro-Oncology
UPMC Children’s Hospital of Pittsburgh
4401 Penn Ave Plaza Building room 509B
Pittsburgh, PA 15224
Tel: 412 692-5056
E-mail: alberto.broniscer@chp.edu