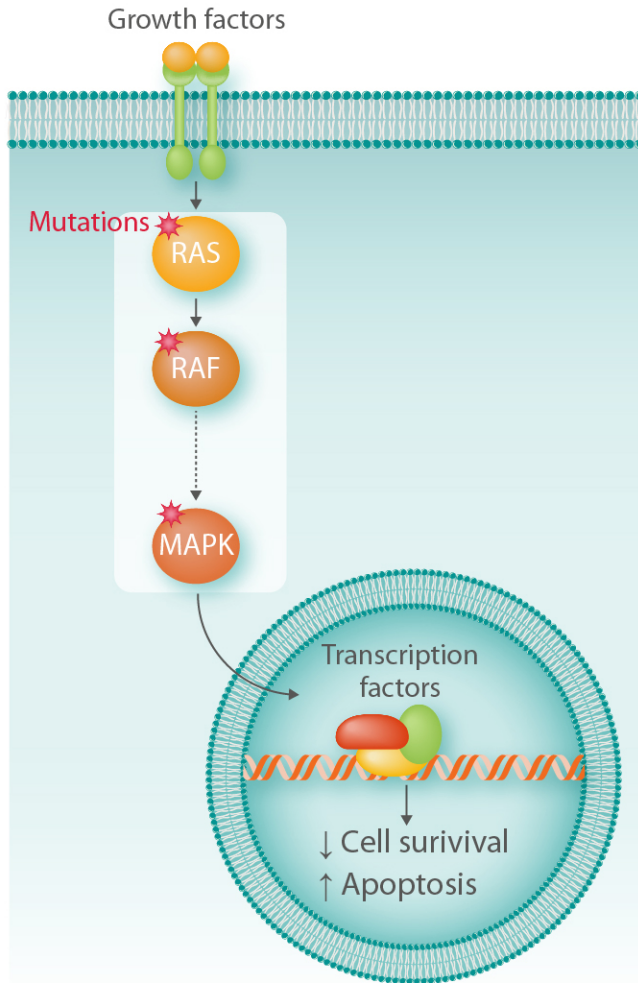


Molecular understanding of histiocytic sarcoma



21 Archival cases of primary histiocytic sarcoma

- Whole exome sequencing
- RNA-sequencing



21/21 A high number of genetic alterations within the

RAS-RAF-MAPK pathway



- 6/21 Alterations in *NF1*
 - 5/21 Alterations in *MAP2K1*
 - 4/21 Alterations in *PTPN11*
 - 4/21 Alterations in *BRAF*
 - 4/21 Alterations in *KRAS*
 - 1/21 Alterations in *NRAS*
 - 1/21 Alterations in *LZTR1*
- 3/21 Concurrent mutations

5/7 Cases with alterations in *NF1* and/or *PTPN11* had disease involving the **gastrointestinal tract**