Research Programmes

Oncology

Travis Stracker: Genomic instability and cancer laboratory

Group Members

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Highlights

• Identification of checkpoint and repair pathway defects that synergize with apoptosis deficiency in tumor suppression.
• Generation of new genetic tools to analyze the regulation of DNA resection after DNA damage.
• Functional characterization of putative DNA damage response factors in vitro and in vivo.

Collaborations

• Genetic analysis of tumor predisposition. John H.J. Petrini, Memorial Sloan-Kettering Cancer Center (New York, USA)

Research projects

• The role of the Mre11 complex in apoptosis and tumor suppression, Leukemia & Lymphoma Society. 2008-2011. Principal investigator: Travis Stracker
• The regulation of apoptosis and chromosome integrity by the cellular DNA damage response. Proyectos de investigación fundamental (SAF2009-10023). Spanish Ministry of Science and Innovation (MICINN). 2010-2012. Principal investigator: Travis Stracker