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Daniel Stephen

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Senior Research Technician

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Office Phone

212-639-3980

Office Fax

212-717-3738

Email

stephed1@mskcc.org

Daniel Stephen

Research Interests & Responsibilities

I have been a member of the Joyner Lab since July 2000. Previously, I worked at Beth Israel Medical Center in Boston, MA. My primary responsibilities include maintaining mouse lines and assisting post-docs with a variety of techniques. In addition, I help maintain laboratory equipment.

Publications

[Bai, C. B., Auerbach, W., Lee, J., Stephen, D., and Joyner, A.L. \(2002\). Gli2, but not Gli1, is required for initial Shh signaling and ectopic activation of the SHH pathway. Development, 129: 4753-4761.](#)

Weiner, H.L., Hurlbert, M.S., Bakst, R., Ruggiero, J., Ahn, E., Lee, W.S., Stephen, D., Zagzag, D., Joyner, A.L., and Turnbull, D.H. (2002). Induction of medulloblastomas in mice by Shh, independent of Gli1. Cancer Research, 62: 6385-6398.[PMID:12438220]

[Bai, C.B., Stephen, D., and Joyner, A.L. \(2004\). All mouse ventral spinal cord patterning by Hedgehog is Gli dependent and involves an activator function of Gli3. Developmental Cell, 6: 103-115.](#)

[Kimura, H., Stephen, D., Joyner A.L. and Curran, T. \(2005\) Gli1 is important for medulloblastoma formation in Ptc1+/- mice. Oncogene, 24: 4026-4036.](#)

[Sgaier, S.K., Lao, Z., Villanueva, M.P. Berenshteyn, F., Stephen, D., Turnbull, R.K., and Joyner, A.L. \(2007\) Genetic subdivision of the tectum and cerebellum into functionally related regions based on differential sensitivity to the dosage of Engrailed genes. Development. 2007 Jun;134\(12\):2325-35.](#)

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