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An In Vivo Antilymphatic Screen in Zebrafish Identifies Novel Inhibitors of Mammalian Lymphangiogenesis and Lymphatic-Mediated Metastasis
Jonathan W. Astin, Stephen M.F. Jamieson, Tiffany C.Y. Eng, Maria V. Flores, June P. Misa, Annie Chien, Kathryn E. Crosier, and Philip S. Crosier

Integrated Analysis of Transcriptomes of Cancer Cell Lines and Patient Samples Reveals STK11/LKB1-Driven Regulation of cAMP Phosphodiesterase-4D
Ningning He, Nayoung Kim, Mee Song, Choa Park, Somin Kim, Eun Young Park, Hwa Young Yim, Kyunga Kim, Jong Hoon Park, Keun Il Kim, Fan Zhang, Gordon B. Mills, and Sukjoon Yoon

Zebrafish embryos can be used to examine mechanisms of vascular development and as a platform with which to identify novel antivascular agents; this is an image of a 2-day-old zebrafish embryo showing developing lymphatic vessels in green (lyve1:egfp) and endothelial cell nuclei in red (kdrl:nls:mcherry). This embryo was live imaged for a further 20 hours to identify novel inhibitors of lymphatic vessel growth and revealed that flunarizine, a calcium channel antagonist, was able specifically induce lymphatic endothelial cell death. For details, see the article by Astin and colleagues on page 2450.

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