

2019

Bornhorst D, Xia P, Nakajima H, Dingare C, Herzog W, Lecaudey V, Mochizuki N, Heisenberg CP, Yelon D, Abdelilah-Seyfried S. Biomechanical signaling within the developing zebrafish heart attunes endocardial growth to myocardial chamber dimensions **Nat. Commun.** 10. 2019, 4113

Shin M, Nozaki T, Idrizi F, Isogai S, Ogasawara K, Ishida K, Yuge S, Roscoe B, Wolfe SA, Fukuhara S, Mochizuki N, Deguchi T, Lawson ND. Live imaging of angiogenesis during cutaneous wound healing in adult zebrafish. **Dev. Cell** 41: 374-386, 2019

Simmons S, Sasaki N, Umemoto E, Uchida Y, Fukuhara S, Kitazawa Y, Okudaira M, Inoue A, Tohya K, Aoi K, Aoki J, Mochizuki N, Matsuno K, Takeda K, Miyasaka M, Ishii M. High-endothelial cell-derived S1P regulates dendritic cell localization and vascular integrity in the lymph node. **eLIFE** 2019, e41239

Ando K, Wang W, Peng D, Chiba A, Lagendijk AK, Barske L, Crump JG, Stainier DYR, Lendahl U, Koltowska K, Hogan BM, Fukuhara S, Mochizuki N, Betsholtz C. Peri-arterial specification of vascular mural cells from naïve mesenchyme requires Notch signaling. **Development**. 146: doi: 10.1242/dev.165589

Rho SS, Kobayashi I, Oguri-Nakamura E, Ando K, Fujiwara M, Kamimura N, Hirata H, Iida A, Iwai Y, Mochizuki N, Fukuhara S. Rap1b promotes notch-signal-mediated hematopoietic stem cell development by enhancing integrin-mediated cell adhesion. **Dev. Cell** 49: 681-696, 2019 doi: 10.1016/j.devcel.201903.023 Epub 2019 Apr 18

Grimm L, Nakajima H, Chaudhury S, Bower NI, Okuda KS, Cox AG, Harvey NL, Koltowska K, Mochizuki N, Hogan BM. Yap1 promotes sprouting and proliferation of lymphatic progenitors downstream of Vegfc in the zebrafish trunk. **eLIFE** doi: 10.7554/elife.42881, 2019

López-Menéndez C, Simón-García A, Gamir-Morralla A, Pose-Utrilla J, Luján R, Mochizuki N, Díaz-Guerra M, Iglesias T. Exocitotoxic targeting of Kindins220 to the Golgi apparatus precedes calpain cleavage of Rap1-activation complexe. **Cell Death Dis.** 10:535 doi: 1038/s41419019-1766-z, 2019

Abe JI, Ko KA, Kotla S, Wang Y, Paez-Mayorga J, Shin IJ, Imanishi M, Vu HT, Tao Y, Leiva-Juarez MM, Thomas TN, Medina JL, Won JH, Fujii Y, Giancursio CJ, McBeath E, Shin JH, Guzman L, Abe RJ, Taunton J, Mochizuki N, Faubion W, Cooke JP, Fujiwara K, Evans SE, Le NT. MAGI-1 as a link between endothelial activation and ER stress drives atherosclerosis. **JCI Insight**. 2019 Apr 4;4(7). pii: 125570. doi: 10.1172/jci.insight.125570. eCollection 2019 Apr 4.