

Publications from the CoE in 2016



Peer-reviewed journals:

1. Pihlajaniemi

Gullberg D, Kleitsas D, Pihlajaniemi T. Editorial: Wound healing and fibrosis: two sides of the same coin. *Cell Tissue Res* 365 (3), 449-451, 2016. <http://dx.doi.org/10.1007/s00441-016-2478-7>

Honkanen HK, Izzi V, Petäistö T, Holopainen T, Harjunen V, Pihlajaniemi T, Alitalo K, Heljasvaara R. Elevated VEGF-D modulates tumor inflammation and reduces the growth of carcinogen-induced skin tumors. - *Neoplasia* 18 (7), 436-446, 2016. <http://dx.doi.org/10.1016/j.neo.2016.05.002>

Karppinen SM, Honkanen HK, Heljasvaara R, Riihilä P, Autio-Harmainen H, Sormunen R, Harjunen V, Väisänen MR, Väisänen T, Hurskainen T, Tasanen-Määttä K, Kähäri VM, Pihlajaniemi T. Collagens XV and XVIII show different expression and localisation in cutaneous squamous cell carcinoma: type XV appears in tumour stroma while XVIII becomes up-regulated in tumour cells and lost from microvessels. *Exp Dermatol* 25 (5), 348-354, 2016. <http://dx.doi.org/10.1111/exd.12913>

Kivinen N, Felszeghy S, Kinnunen AI, Setälä N, Aikio M, Kinnunen K, Sironen R, Pihlajaniemi T, Kauppinen A, Kaarniranta K. Absence of collagen XVIII in mice causes age-related insufficiency in retinal pigment epithelium proteostasis. *Biogerontology* 17(4), 749-761, 2016. <http://dx.doi.org/10.1007/s10522-016-9647-7>

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Venkannagari H, Verheugd P, Koivunen J, Haikarainen T, Obaji E, Ashok Y, Narwal M, Pihlajaniemi T, Lüscher B, Lehtiö L. Small-Molecule Chemical Probe Rescues Cells from Mono-ADP-Ribosyltransferase ARTD10/PARP10-Induced Apoptosis and Sensitizes Cancer Cells to DNA Damage. *Cell Chem Biol* 23 (10), 1251-1260, 2016. <http://dx.doi.org/10.1016/j.chembiol.2016.08.012>

2. Myllyharju

Halt KJ, Pärssinen HE, Junttila SM, Saarela U, Sims-Lucas S, Koivunen P, Myllyharju J, Quaggin S, Skovorodkin IN, Vainio SJ. CD146(+) cells are essential for kidney vasculature development. *Kidney Int* 90, 311-324, 2016. <http://dx.doi.org/10.1016/j.kint.2016.02.021>

Karsikas S, Myllymäki M, Heikkilä M, Sormunen R, Kivirikko KI, Myllyharju J, Serpi R, Koivunen P. HIF-P4H-2 deficiency protects against skeletal muscle ischemia-reperfusion injury. *J Mol Med* 94 (3), 301-310, 2016. <http://dx.doi.org/10.1007/s00109-015-1349-0>

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Soininen R, Kivirikko KI, Koskelainen A, Tanila H, Myllyharju J, Koivunen P. Lack of P4H-TM in mice results in age-related retinal and renal alterations. *Hum Mol Gen* 25 (17), 3810-3823, 2016.

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3. Vainio

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Halt KJ, Pärssinen HE, Junttila SM, Saarela U, Sims-Lucas S, Koivunen P, Myllyharju J, Quaggin S, Skovorodkin IN, Vainio SJ. CD146(+) cells are essential for kidney vasculature development. *Kidney Int* 90, 311-324, 2016.

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<http://dx.doi.org/10.1016/j.eurpolymj.2015.12.008>

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4. Winqvist

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5. Manninen

Zhang, K, Lee HM, Wei GH, Manninen A. Meta-analysis of gene expression and integrin associated signaling pathways in papillary renal cell carcinoma subtypes. *Oncotarget* 7 (51), 84178-84189, 2016. <http://dx.doi.org/10.18632/oncotarget.12390>

6. Eklund

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