

Sawan Jha

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CONTACT INFORMATION

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Bio

ACADEMIC APPOINTMENTS

- Basic Life Res Scientist, Biology

Publications

PUBLICATIONS

- **A human arteriovenous differentiation roadmap reveals vein developmental mechanisms and vascular effects of viruses.** *bioRxiv : the preprint server for biology*
Ang, L. T., Zheng, S. L., Liu, K. J., Masaltseva, A., Winters, J., von Creyzt, I., Jha, S. K., Yin, Q., Qian, C., Xiong, X., Dailamy, A., Xi, E., Alcocer, et al
2025
- **Fetal-like reversion in the regenerating intestine is regulated by mesenchymal asporin.** *Cell stem cell*
Iqbal, S., Andersson, S., Nesta, E., Pentimikko, N., Kumar, A., Kumar Jha, S., Borshagovski, D., Webb, A., Gebert, N., Viitala, E. W., Ritchie, A., Scharaw, S., Kuuluvainen, et al
2025
- **Protocol for efficient generation of human artery and vein endothelial cells from pluripotent stem cells.** *STAR protocols*
Loh, K. M., Zheng, S. L., Liu, K. J., Yin, Q., Amir-Ugokwe, Z. A., Jha, S. K., Qi, Y., Wazny, V. K., Nguyen, A. T., Chen, A., Njungkeng, F. M., Cheung, C., Spiekerkoetter, et al
2024; 6 (1): 103494
- **Lymphangiogenesis requires Ang2/Tie/PI3K signaling for VEGFR3 cell-surface expression** *JOURNAL OF CLINICAL INVESTIGATION*
Korhonen, E. A., Murtomaki, A., Jha, S., Anisimov, A., Pink, A., Zhang, Y., Stritt, S., Liaqat, I., Stanczuk, L., Alderfer, L., Sun, Z., Kapiainen, E., Singh, et al
2022; 132 (15)
- **Blood flow modeling reveals improved collateral artery performance during the regenerative period in mammalian hearts.** *Nature cardiovascular research*
Anbazhakan, S., Rios Coronado, P. E., Sy-Quia, A. N., Seow, L. W., Hands, A. M., Zhao, M., Dong, M. L., Pfaller, M. R., Amir, Z. A., Raftrey, B. C., Cook, C. K., D'Amato, G., Fan, et al
2022; 1 (8): 775-790
- **Common Laboratory Mice Are Susceptible to Infection with the SARS-CoV-2 Beta Variant** *VIRUSES-BASEL*
Kant, R., Kareinen, L., Smura, T., Freitag, T. L., Jha, S., Alitalo, K., Meri, S., Sironen, T., Saksela, K., Strandin, T., Kipar, A., Vapalahti, O.
2021; 13 (11)
- **Characterization of *ANGPT2* mutations associated with primary lymphedema** *SCIENCE TRANSLATIONAL MEDICINE*
Leppanen, V., Brouillard, P., Korhonen, E. A., Sipila, T., Jha, S., Revencu, N., Labarque, V., Fastre, E., Schlogel, M., Ravoet, M., Singer, A., Luzzatto, C., Angelone, et al
2020; 12 (560)

- **Investigation on the role of biallelic variants in *VEGF-C* found in a patient affected by Milroy-like lymphedema** *MOLECULAR GENETICS & GENOMIC MEDICINE*
Mukenge, S., Jha, S. K., Catena, M., Manara, E., Leppanen, V., Lenti, E., Negrini, D., Bertelli, M., Brendolan, A., Jeltsch, M., Aldrighetti, L.
2020; 8 (9): e1389
- **KLK3/PSA and cathepsin D activate VEGF-C and VEGF-D** *ELIFE*
Jha, S., Rauniyar, K., Chronowska, E., Mattonet, K., Maina, E., Koistinen, H., Stenman, U., Alitalo, K., Jeltsch, M.
2019; 8
- **Biology of Vascular Endothelial Growth Factor C in the Morphogenesis of Lymphatic Vessels** *FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY*
Rauniyar, K., Jha, S., Jeltsch, M.
2018; 6: 7
- **Key molecules in lymphatic development, function, and identification** *ANNALS OF ANATOMY-ANATOMISCHER ANZEIGER*
Jha, S., Rauniyar, K., Jeltsch, M.
2018; 219: 25-34
- **Efficient activation of the lymphangiogenic growth factor VEGF-C requires the C-terminal domain of VEGF-C and the N-terminal domain of CCBE1** *SCIENTIFIC REPORTS*
Jha, S., Rauniyar, K., Karpanen, T., Leppanen, V., Brouillard, P., Vikkula, M., Alitalo, K., Jeltsch, M.
2017; 7: 4916
- **Factors regulating the substrate specificity of cytosolic phospholipase A₂-alpha in vitro** *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR AND CELL BIOLOGY OF LIPIDS*
Batchu, K., Hanninen, S., Jha, S., Jeltsch, M., Somerharju, P.
2016; 1861 (11): 1597-1604
- **Identification of selective cytotoxic and synthetic lethal drug responses in triple negative breast cancer cells** *MOLECULAR CANCER*
Gautam, P., Karhinen, L., Szwajda, A., Jha, S., Yadav, B., Aittokallio, T., Wennerberg, K.
2016; 15: 34