

Curriculum Vitae

Michael Jeltsch

Handledare för doktorandprogram, biträdande professor, andra skedet

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Kvalifikationer

Protein Chemistry, Docent, Helsingfors universitet

21 dec. 2002 → 13 dec. 2011

Tilldelningsdatum: 13 dec. 2011

Biochemistry, Ph.D., Helsingfors universitet

17 maj 1997 → 20 dec. 2002

Tilldelningsdatum: 20 dec. 2002

Biochemistry, M.Sc., Helsingfors universitet

1995 → 16 maj 1997

Tilldelningsdatum: 16 maj 1997

Molecular Biology/Biochemistry, Vordiplom, University of Hamburg

1 sep. 1990 → 15 okt. 1992

Tilldelningsdatum: 15 okt. 1992

Baccalaureate, Gymnasium An Der Stenner, Iserlohn

4 aug. 1980 → 17 maj 1989

Tilldelningsdatum: 17 maj 1989

Forskningsledare (Principal Investigator)

Tidsperiod : 27.05.2013 - * i Medicum

Forskningsledare (Principal Investigator)

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Anställning

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Postdoctoral Research Fellow

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1 jan. 2013 → 31 aug. 2013

Contract Researcher

Vegenics Limited

1 feb. 2007 → 1 dec. 2011

Researcher

Lymphatix Oy

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1 apr. 2006 → 1 jan. 2007

Contract Researcher

Licentia Ltd

1 dec. 1999 → 1 dec. 2005

Research Assistant

Univ Hamburg, Heinrich Pette Inst Expt Virol & Immunol

Tyskland

1 jan. 1994 → 1 jan. 1995

Publikationer

The relationship between the secondary vascular system and the lymphatic vascular system in fish

Panara, V., Varaliová, Z., Wilting, J., Koltowska, K. & Jeltsch, M., 2024, I: *Biological Reviews*. 26 s.

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Jeltsch, M. & Alitalo, K., 25 maj 2022, I: *Nature Cardiovascular Research*. 1, s. 539-541 3 s.

KLK3 in the Regulation of Angiogenesis—Tumorigenic or Not?

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Outside in and brakes off for lymphatic growth

Künnapuu-Vulli, J. & Jeltsch, M., 10 aug. 2021, I: *Science signaling*. 14, 695, 2 s., 5058.

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Imusuonet ja silmä

Gucciardo, E., Lehti, T. A., Korhonen, A., Salven, P., Lehti, K., Jeltsch, M. & Loukovaara, S., 26 aug. 2020, I: *Duodecim*. 136, 16, s. 1777-1788 12 s.

Die proteolytische Aktivierung des Vaskulären Endothelzellwachstumsfaktors-C

Lackner, M., Schmotz, C. & Jeltsch, M., 18 dec. 2019, I: *Lymphologie in Forschung und Praxis*. 23, 2, s. 88 98 s.

KLK3/PSA and cathepsin D activate VEGF-C and VEGF-D

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Was man in der Lymphologie über VEGF-C wissen sollte

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Biology of Vascular Endothelial Growth Factor C in the Morphogenesis of Lymphatic Vessels

Rauniar, K., Jha, S. K. & Jeltsch, M. M., 12 feb. 2018, I: *Frontiers in Bioengineering and Biotechnology*. 6, 12 s., 7.

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Jha, S. K., Rauniar, K., Kärpänen, T., Leppänen, V-M., Brouillard, P., Vikkula, M., Alitalo, K. & Jeltsch, M., 7 juli 2017, I: *Scientific Reports*. 7, 13 s., 4916.

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Johns, S. C., Yin, X., Jeltsch, M., Bishop, J. R., Schuksz, M., El Ghazal, R., Wilcox-Adelman, S. A., Alitalo, K. & Fuster, M. M., 8 juli 2016, I: *Circulation Research*. 119, 2, s. 210-+ 24 s.

From Molecular Genetics and Biology to Effective Treatments of Lymphatic Disorders

Jeltsch, M., 13 maj 2016, *The European Journal of Lymphology and Related Problems*. Vol. 28. s. 11 1 s.

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Dashkevich, A., Raissadati, A., Syrjala, S. O., Zarkada, G., Keranen, M. A. I., Tuuminen, R., Krebs, R., Anisimov, A., Jeltsch, M., Leppanen, V. -M., Alitalo, K., Nykanen, A. I. & Lemstrom, K. B., apr. 2016, I: *American Journal of Transplantation*. 16, 4, s. 1160-1172 13 s.

Lymphatic Vessels in Regenerative Medicine and Tissue Engineering

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Substrate Efflux Propensity Is the Key Determinant of Ca²⁺-independent Phospholipase A-beta (iPLA beta)-mediated Glycerophospholipid Hydrolysis

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Therapeutic use of VEGF-C and CCBE1

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The TIE Receptor Family

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CCBE1 Enhances Lymphangiogenesis via A Disintegrin and Metalloprotease With Thrombospondin Motifs-3-Mediated Vascular Endothelial Growth Factor-C Activation

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Die lymphangiogenen Wachstumsfaktoren VEGF-C und VEGF-D: Teil 2: Die Rolle von VEGF-C und VEGF-D bei Krankheiten des Lymphgefäßsystems

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Die lymphangiogenen Wachstumsfaktoren VEGF-C und VEGF-D: Teil 1: Grundlagen und Embryonalentwicklung
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The Basis for the Distinct Biological Activities of Vascular Endothelial Growth Factor Receptor-1 Ligands

Anisimov, A., Leppänen, V-M., Tvorogov, D., Zarkada, G., Jeltsch, M., Holopainen, T., Kaijalainen, S. & Alitalo, K., 2 juli 2013, I: Science signaling. 6, 282, s. ra52 10 s.

Use of VEGF-D gene to prevent restenosis

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Modified VEGF-A with improved angiogenic properties

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Structural determinants of vascular endothelial growth factor-D receptor binding and specificity

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Claudin-like protein 24 interacts with the VEGFR-2 and VEGFR-3 pathways and regulates lymphatic vessel development

Saharinen, P. I., Heloterä, H., Miettinen, J., Norrmen, C., D Amico Lago, G. V., Jeltsch, M., Langenberg, T., Vandevelde, W., Ny, A., Dewerchin, M., Carmeliet, P. & Alitalo, K., 2010, I: *Genes & Development*. 24, 9, s. 875-880 6 s.

Effective suppression of vascular network formation by combination of antibodies blocking VEGFR ligand binding and receptor dimerization

Tvorogov, D., Anisimov, A., Zheng, W., Leppänen, V-M., Tammela, T., Laurinavicius, S., Holnthoner, W., Heloterä, H., Holopainen, T., Jeltsch, M., Kalkkinen, N., Lankinen, H., Ojala, P. M. & Alitalo, K., 2010, I: *Cancer Cell*. 18, 6, s. 630-640 11 s.

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Leppänen, V-M., Prota, A. E., Jeltsch, M., Anisimov, A., Kalkkinen, N., Strandin, T., Lankinen, H., Goldman, A., Ballmer-Hofer, K. & Alitalo, K., 2010, I: *Proceedings of the National Academy of Sciences of the United States of America*. 107, 6, s. 2425-2430 6 s.

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Use of VEGF-C to prevent restenosis

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Dual role of vascular endothelial growth factor in experimental obliterative bronchiolitis

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