

Curriculum Vitae

Michael Jeltsch

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Qualifications

Protein Chemistry, Docent, University of Helsinki

21 Dec 2002 → 13 Dec 2011

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Biochemistry, Ph.D., University of Helsinki

17 May 1997 → 20 Dec 2002

Award Date: 20 Dec 2002

Biochemistry, M.Sc., University of Helsinki

1995 → 16 May 1997

Award Date: 16 May 1997

Molecular Biology/Biochemistry, Vordiplom, University of Hamburg

1 Sept 1990 → 15 Oct 1992

Award Date: 15 Oct 1992

Baccalaureate, Gymnasium An Der Stenner, Iserlohn

4 Aug 1980 → 17 May 1989

Award Date: 17 May 1989

Principal Investigator

Period : 27.05.2013 - * in Medicum

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Period : 01.08.2020 - * in Faculty of Pharmacy

Employment

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9 Sept 2019 → present

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Postdoctoral Research Fellow

Wihuri Research Institute
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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
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1 Jan 1994 → 1 Jan 1995

Publications

Expansion and collapse of VEGF diversity in major clades of the animal kingdom

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Mukenge, S., Jha, S. K., Catena, M., Manara, E., Leppänen, V.-M., Lenti, E., Negrini, D., Bertelli, M., Brendolan, A., Jeltsch, M. & Aldrighetti, L., Sept 2020, In: Molecular Genetics & Genomic Medicine. 8, 9, 10 p., 1389.

Imusuonet ja silmä

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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

Rauniyar, K., Jha, S. K. & Jeltsch, M. M., 12 Feb 2018, In: Frontiers in Bioengineering and Biotechnology. 6, 12 p., 7.

Key molecules in lymphatic development, function, and identification

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Factors regulating the substrate specificity of cytosolic phospholipase A(2)-alpha in vitro

Batchu, K. C., Hänninen, S., Jha, S. K., Jeltsch, M. & Somerharju, P., Nov 2016, In: Biochimica and Biophysica Acta. Molecular and Cell Biology of Lipids. 1861, 11, p. 1597-1604 8 p.

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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 Jul 2016, In: Circulation Research. 119, 2, p. 210+ 24 p.

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

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Therapeutic use of VEGF-C and CCBE1

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Die genetischen Ursachen des primären Lymphödems: Erkrankungen des Lymphgefäßsystems

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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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Use of VEGF-D gene to prevent restenosis

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Die lymphangiogenen Wachstumsfaktoren VEGF-C und VEGF-D: Teil 1: Grundlagen und Embryonalentwicklung

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Structural determinants of growth factor binding and specificity by VEGF receptor 2

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

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Bry, M., Kivelä, R., Holopainen, T., Anisimov, A., Tammela, T., Soronen, J., Silvoli, J., Saraste, A., Jeltsch, M., Korpijalo, P., Carmeliet, P., Lemström, K. B., Shibuya, M., Ylä-Herttuala, S., Alhonen, L., Mervaala, E., Andersson, L. C., Knuuti, J. & Alitalo, K., 2010, In: *Circulation*. 122, 17, p. 1725-1733 9 p.

Activated Forms of VEGF-C and VEGF-D Provide Improved Vascular Function in Skeletal Muscle

Anisimov, A., Alitalo, A., Korpijalo, P., Soronen, J., Kaijalainen, S., Leppanen, V-M., Jeltsch, M., Ylä-Herttuala, S. & Alitalo, K., 2009, In: *Circulation Research*. 104, p. 1302-U156 25 p.

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Alitalo, K. K. & Jeltsch, M. M., 9 Sept 2008, US Patent and Trademark Office, Patent No. US 7,422,741 B2, 9 Sept 2008, Priority date 5 Mar 2004, Priority No. 60/550,907

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Distinct architecture of lymphatic vessels induced by chimeric vascular endothelial growth factor-C/vascular endothelial growth factor heparin-binding domain fusion proteins

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Use of VEGF-C to prevent restenosis

Alitalo, K. K., Ylä-Herttuala, S., Hiltunen, M., Jeltsch, M. M. & Achen, M. G., 25 Oct 2005, US Patent and Trademark Office, Patent No. US 6,958,147 B1, 25 Oct 2005, Priority date 26 Oct 1998, Priority No. 60/105,587

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