

Curriculum Vitae

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Qualifications

Protein Chemistry, Docent, University of Helsinki
21 Dec 2002 → 13 Dec 2011
Award Date: 13 Dec 2011

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 Sep 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

Principal Investigator

Period : 01.08.2020 - * in Faculty of Pharmacy

Employment

Associate professor

Division of Pharmaceutical Biosciences
University of Helsinki
Finland
1 Aug 2020 → present

Helsinki One Health (HOH)

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HELSINGIN YLIOPISTO, Finland
9 Sep 2019 → present

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1 Aug 2020 → present

Postdoctoral Research Fellow

Wihuri Research Institute

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1 Jan 2013 → 31 Aug 2013

Contract Researcher

VegeGenics Limited

1 Feb 2007 → 1 Dec 2011

Researcher

Lymphatix Oy

Finland

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

Germany

1 Jan 1994 → 1 Jan 1995

Publications

Outside in and brakes off for lymphatic growth

Künnapuu-Vulli, J. & Jeltsch, M., 10 Aug 2021, In: Science signaling. 14, 695, 2 p., 5058.

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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

Jha, S. K., Rauniyar, K. & Jeltsch, M., 2018, In: *Annals of Anatomy*. 219, p. 25-34 10 p.

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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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From Molecular Genetics and Biology to Effective Treatments of Lymphatic Disorders

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Schaupper, M., Jeltsch, M., Rohringer, S., Redl, H. & Holthoner, W., 2016, In: *Tissue Engineering. Part B. Reviews*. 22, 5, p. 395-407 13 p.

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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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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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Critical Role of VEGF-C/VEGFR-3 Signaling in Innate and Adaptive Immune Responses in Experimental Obliterative Bronchiolitis

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Modified VEGF-A with improved angiogenic properties

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

Anisimov, A., Alitalo, A., Korpisalo, P., Soronen, J., Kaijalainen, S., Leppänen, V-M., Jeltsch, M., Ylä-Herttua, S. & Alitalo, K., 2009, In: Circulation Research. 104, p. 1302-U156 25 p.

VEGFR-3 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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Baluk, P., Tammela, T., Ator, E., Lyubynska, N., Achen, M. G., Hicklin, D. J., Jeltsch, M., Petrova, T., Pytowski, B., Stacker, S. A., Ylä-Herttuala, S., Jackson, D. G., Alitalo, K. & McDonald, D. M., 2005, In: *Journal of Clinical Investigation*. 115, 2, p. 247-257 11 p.

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