

Niels Behrendt
Research Leader
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Contact Information

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For full CV go to English site

Education, scientific degrees and assessment of scientific qualifications

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| Nov. 2006 | Qualified for full professorship in Molecular Oncology at the University of Copenhagen (positive qualification assessment by international evaluation committee). |
| Dec. 2004 | D.Sc. (Danish dr.scient. degree), the University of Copenhagen, the Faculty of Science, Institute of Molecular Biology. |
| Dec. 1989 | Ph.D., the University of Copenhagen, the Faculty of Science, Central Institute of Molecular Biology. |
| Feb. 1983 | Master's (Danish cand.scient.) degree in Biochemistry, the University of Copenhagen. Speciality subject: Protein Chemistry. |
| Jun. 1974 | Danish General Certificate, Mathematics/Biology line |

Appointments

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| From 2011 | Section head, the Finsen Laboratory, Rigshospitalet, Copenhagen. |
| 2008 – 2011 | Acting head of the Finsen Laboratory, Rigshospitalet, Copenhagen. |
| 1996 – 2011 | Principal scientist (Research group leader; tenure position) at the Finsen Laboratory, Rigshospitalet, |
| 1989 – 1996 | Personal postdoc grants from the Danish Cancer Society. Working place: The Finsen Laboratory, Rigshospitalet, Copenhagen. |
| 1987 - 1989 | Assistant scientist, the Finsen Laboratory, Rigshospitalet, Copenhagen |
| 1986 - 1987 | Assistant scientist, the Laboratory of Tumor Virology, the Fibiger Institute, Copenhagen. |
| 1983 - 1986 | Personal grant from the Danish Rheumatism Association (Ph.D. project). Working place: Institute of Biochemical Genetics, the University of Copenhagen., |

Scientific publications (summary)

D.Sc. thesis.

73 articles in international peer reviewed journals.

Editor of 1 book (multiauthored).

7 book chapters.

Total scientific citations: More than 6000
Scientific citations, first-authored publications: More than 1000.
h-index: 37. (Ref. ISI Web of Science)

Oral presentation of research (Selected)

Gordon Research Conferences:

Additional recent conferences:

Research grants

International Collaborations

Participant in grant ("MicroEnviMet") from the EU FP7 programme; Coordinator: Professor A. Noel, University of Liege, Belgium.

Participant in grant ("Extracellular proteolytic enzymes as therapeutic targets in cancer") from Danish National Research Foundation; Coordinator: Dr. Peter A. Andreasen, University of Aarhus, Denmark. Grant renewed 2011.

Peer reviewer for scientific journals (since 2000)

EMBO Journal
The Journal of Biological Chemistry
EMBO Reports
Blood
Thrombosis and Haemostasis
European Journal of Haematology
European Journal of Biochemistry
Biological Chemistry
International Journal of Cancer
Breast Cancer Research
Journal of Investigative Dermatology

Issued patents

3 US patents (see list of publications) and parallel versions issued in Europe and other countries.

Teaching and supervision

Pregraduate teaching 2006 Instruction/Supervision, "Human Biology Project 1", human biology student, the University of Copenhagen. 2008 and 2010 Teaching at the "Course in tumor biology and clinical oncology". (Until 2010 a combined pregraduate and PhD course; organized by Copenhagen Graduate School of Health Sciences, the Faculty of Health Sciences, the University of Copenhagen).

Postgraduate teaching

1997 Teaching at the course "The haemostatic system". (PhD course, organized by the Laboratory Center, Rigshospitalet, Copenhagen). 2004 and 2007 Teaching at the course "Cell-Matrix Interactions, Proteolysis, and Invasion". (PhD course, Danish Research School in Molecular Cancer Research. Organized by the Faculties of Health Sciences at the Universities of Aarhus, Southern Denmark and Copenhagen, the Faculty of Science at University of Aarhus, and research laboratories at the Danish Cancer Society).

2011 Teaching at the "Course in tumor biology and clinical oncology". (PhD course, organized by the PhD School / Copenhagen Graduate School of Health Sciences, the Faculty of Health Sciences, the University of Copenhagen). 2011 Teaching at the PhD course, "Extracellular Proteolysis in Biology and Disease", organized by the MoMeD Research School (BRIC), the University of Copenhagen. 2012 Teaching at the PhD course, "Matrix Biology - Cell matrix interplay", organized by the Graduate School of Health and Medical Sciences, the Faculty of Health Sciences, the University of Copenhagen. 2012, 2013 and 2014 Teaching at the "PhD course in tumor biology", organized by the MoMeD Research School (BRIC) and the Graduate Programme for Oncology og Haematology, the University of Copenhagen.

Function as course organizer 2010 and 2011 Organizer of the "Course in Tumor Biology and Clinical Oncology", the PhD School / Copenhagen Graduate School of Health Sciences, the Faculty of Health Sciences, the University of Copenhagen. 2011 Co-organizer of PhD course, "Extracellular Proteolysis in Biology and Disease", September 2011. MoMeD Research School (BRIC), the University of Copenhagen. 2012, 2013 and 2014 Co-organizer of the "PhD course in tumor biology", the University of Copenhagen. Responsible for part of course organized by the MoMeD Research School (BRIC).

Research management

University-related assignments

Evaluation of research institute

2010 Member of expert committee under AERES (L'Agence d'Evaluation de la Recherche et de l'Enseignement Supérieur), the French "Evaluation Agency for Research and Higher Education" (independent government-funded agency). Site visit at Institut de Biologie et Chimie des Protéines (IBCP), Lyon, France, February, 2010

Publications

A HER2 Specific Nanobody-Drug Conjugate: Site-Selective Bioconjugation and In Vitro Evaluation in Breast Cancer Models

Hansen, A. H., Andersen, K. I. H., Xin, L., Krigslund, O., Behrendt, N., Engelholm, L. H., Bang-Bertelsen, C. H., Schoffelen, S. & Qvortrup, K., 18 jan. 2025, I: *Molecules*. 30, 2, 391.

Targeting uPAR with an antibody-drug conjugate suppresses tumor growth and reshapes the immune landscape in pancreatic cancer models

Metrangolo, V., Blomquist, M. H., Dutta, A., Gårdsvoll, H., Krigslund, O., Nørregaard, K. S., Jürgensen, H. J., Ploug, M., Flick, M. J., Behrendt, N. & Engelholm, L. H., 17 jan. 2025, I: *Science Advances*. 11, 3, s. eadq0513 18 s., eadq0513.

BAG2, MAD2L1, and MDK are cancer-driver genes and candidate targets for novel therapies in malignant pleural mesothelioma

Bisceglia, L., Morani, F., Guerrieri, L., Santoni-Rugiu, E., Çakılıkaya, P., Scatena, C., Scarpitta, R., Engelholm, L. H., Behrendt, N., Gemignani, F. & Landi, S., nov. 2024, I: *Cancer Gene Therapy*. 31, 11, s. 1708-1720 13 s.

A proteomics-based survey reveals thrombospondin-4 as a ligand regulated by the mannose receptor in the injured lung

Nørregaard, K. S., Jürgensen, H. J., Heltberg, S. S., Gårdsvoll, H., Bugge, T. H., Schoof, E. M., Engelholm, L. H. & Behrendt, N., maj 2024, I: *Journal of Biological Chemistry*. 300, 5, 107284.

Targeted delivery of alcohol-containing payloads with antibody-drug conjugates

Grier, K. E., Hansen, A. H., Haxvig, C. S., Li, X., Krigslund, O., Behrendt, N., Engelholm, L. H., Rossi, F., Sousa, B. C., Harradence, G. J., Camper, N. & Qvortrup, K. M., 8 jun. 2023, I: *Chemical Communications*. 59, 47, s. 7240-7242 3 s.

The endocytic receptor uPARAP is a regulator of extracellular thrombospondin-1

Nørregaard, K. S., Jürgensen, H. J., Ingvarsen, S. Z., Heltberg, S. S., Hagensen, C. E., Gårdsvoll, H., Madsen, D. H., Jensen, O. N., Engelholm, L. H. & Behrendt, N., aug. 2022, I: *Matrix biology : journal of the International Society for Matrix Biology*. 111, s. 307-328 22 s.

Uncovering mediators of collagen degradation in the tumor microenvironment

Thorseth, M.-L., Carretta, M., Jensen, C., Mølgaard, K., Jürgensen, H. J., Engelholm, L. H., Behrendt, N., Willumsen, N. & Madsen, D. H., feb. 2022, I: *Matrix Biology Plus*. 13, s. 100101 100101.

The collagen receptor uparap in malignant mesothelioma: A potential diagnostic marker and therapeutic target

Çakılıkaya, P., Sørensen, R. R., Jürgensen, H. J., Krigslund, O., Gårdsvoll, H., Nielsen, C. F., Santoni-rugiu, E., Behrendt, N. & Engelholm, L. H., 23 okt. 2021, I: *International Journal of Molecular Sciences*. 22, 21, 11452.

Tumor cell MT1-MMP is dispensable for osteosarcoma tumor growth, bone degradation and lung metastasis

Ingvarsen, S. Z., Gårdsvoll, H., van Putten, S., Nørregaard, K. S., Krigslund, O., Meilstrup, J. A., Tran, C., Jürgensen, H. J., Melander, M. C., Nielsen, C. H., Kjaer, A., Bugge, T. H., Engelholm, L. H. & Behrendt, N., 5 nov. 2020, I: *Scientific Reports*. 10, 1, s. 19138 19138.

The collagen receptor uPARAP/Endo180 regulates collectins through unique structural elements in its FNII domain

Nørregaard, K. S., Krigslund, O., Behrendt, N., Engelholm, L. H. & Jürgensen, H. J., 3 jul. 2020, I: *Journal of Biological Chemistry*. 295, 27, s. 9157-9170 14 s.

TAFI deficiency causes maladaptive vascular remodeling after hemophilic joint bleeding

Wyseure, T., Yang, T., Zhou, J. Y., Cooke, E. J., Wanko, B., Olmer, M., Agashe, R., Morodomi, Y., Behrendt, N., Lotz, M., Morser, J., von Drygalski, A. & Mosnier, L. O., 3 okt. 2019, I: JCI Insight. 4, 19, e128379.

CCL2/MCP-1 signaling drives extracellular matrix turnover by diverse macrophage subsets

Jürgensen, H. J., Silva, L. M., Kriegslund, O., Van Putten, S., Madsen, D. H., Behrendt, N., Engelholm, L. H. & Bugge, T. H., feb. 2019, I: Matrix Biology Plus. 100003.

Immune regulation by fibroblasts in tissue injury depends on uPARAP-mediated uptake of collectins

Jürgensen, H. J., Nørregaard, K. S., Sibree, M. M., Santoni-Rugiu, E., Madsen, D. H., Wassilew, K., Krustup, D., Garred, P., Bugge, T. H., Engelholm, L. H. & Behrendt, N., 7 jan. 2019, I: Journal of Cell Biology. 218, 1, s. 333-349 17 s.

uPARAP/Endo180 receptor is a gatekeeper of VEGFR-2/VEGFR-3 heterodimerisation during pathological lymphangiogenesis

Durré, T., Morfioise, F., Erpicum, C., Ebroin, M., Blacher, S., García-Caballero, M., Deroanne, C., Louis, T., Balsat, C., Van de Velde, M., Kaijalainen, S., Kridelka, F., Engelholm, L., Struman, I., Alitalo, K., Behrendt, N., Paupert, J. & Noel, A., 5 dec. 2018, I: Nature Communications. 9, 1, s. 5178

Defective TAFI activation in hemophilia A mice is a major contributor to joint bleeding

Wyseure, T., Cooke, E. J., Declerck, P. J., Behrendt, N., Meijers, J. C. M., von Drygalski, A. & Mosnier, L. O., 11 okt. 2018, I: Blood. 132, 15, s. 1593-1603

Tumor-Associated Macrophages Derived from Circulating Inflammatory Monocytes Degrade Collagen through Cellular Uptake

Madsen, D. H., Jürgensen, H. J., Siersbæk, M. S., Kuczek, D. E., Grey Cloud, L., Liu, S., Behrendt, N., Grøntved, L., Weigert, R. & Bugge, T. H., 26 dec. 2017, I: Cell Reports. 21, 13, s. 3662-3671 10 s.

The collagen receptor uPARAP/Endo180 as a novel target for antibody-drug conjugate mediated treatment of mesenchymal and leukemic cancers

Nielsen, C. F., van Putten, S. M., Lund, I. K., Melander, M. C., Nørregaard, K. S., Jürgensen, H. J., Reckzeh, K., Christensen, K. R., Ingvarsen, S. Z., Gårdsvoll, H., Jensen, K. E., Hamerlik, P., Engelholm, L. H. & Behrendt, N., 4 jul. 2017, I: Oncotarget. 8, 27, s. 44605-44624 20 s.

Phagocytosis of Collagen Fibrils by Fibroblasts In Vivo is Independent of the uPARAP/Endo180 Receptor

Sprangers, S., Behrendt, N., Engelholm, L., Cao, Y. & Everts, V., 2017, I: Journal of Cellular Biochemistry. 118, 6, s. 1590-1595

Crystal structures of the ligand binding region of uPARAP: effect of calcium ion binding

Yuan, C., Jürgensen, H. J., Engelholm, L. H., Li, R., Liu, M., Jiang, L., Luo, Z., Behrendt, N. & Huang, M., 28 jul. 2016, I: Biochemical Journal. 473, 15, s. 2359-2368

Targeting a novel bone degradation pathway in primary bone cancer by inactivation of the collagen receptor uPARAP/Endo180

Engelholm, L. H., Carlsen Melander, E. M., Hald, A., Persson, M., Madsen, D. H., Jürgensen, H. J., Johansson, K. B. C., Nielsen, C., Nørregaard, K. S., Ingvarsen, S. Z., Kjaer, A., Trovik, C. S., Laerum, O. D., Bugge, T. H., Eide, J. & Behrendt, N., 2016, I: The Journal of pathology. 238, s. 120-133

The collagen receptor uPARAP/Endo180 in tissue degradation and cancer (Review)

Carlsen Melander, E. M., Jürgensen, H. J., Madsen, D. H., Engelholm, L. H. & Behrendt, N., 12 aug. 2015, I: International Journal of Oncology. 47, 4, s. 1177-88

Advances in targeted delivery of small interfering RNA using simple bioconjugates

Nielsen, C., Kjems, J., Sørensen, K. R., Engelholm, L. H. & Behrendt, N., maj 2014, I: Expert Opinion on Drug Delivery. 11, 5, s. 791-822 32 s.

Matrix metalloproteinase 2 and membrane-type 1 matrix metalloproteinase co-regulate axonal outgrowth of mouse retinal ganglion cells

Gaublomme, D., Buyens, T., De Groef, L., Stakenborg, M., Janssens, E., Ingvarsen, S., Porse, A., Behrendt, N. & Moons, L., 27 mar. 2014, I: *Journal of Neurochemistry*. 129, 6, s. 966-79

Complex Determinants in Specific Members of the Mannose Receptor Family Govern Collagen Endocytosis

Jürgensen, H. J., Johansson, K. B. C., Madsen, D. H., Porse, A., Carlsen Melander, E. M., Nielsen, C., Sørensen, K. R., Bugge, T. H., Behrendt, N. & Engelholm, L. H., 14 mar. 2014, I: *Journal of Biological Chemistry*. s. 7935-7947

A monoclonal antibody interferes with TIMP-2 binding and incapacitates the MMP-2-activating function of multifunctional, pro-tumorigenic MMP-14/MT1-MMP

Shiryaev, S. A., Remacle, A. G., Golubkov, V. S., Ingvarsen, S., Porse, A., Behrendt, N., Cieplak, P. & Strongin, A. Y., 2 dec. 2013, I: *Oncogenesis*. 2, s. e80

M2-like macrophages are responsible for collagen degradation through a mannose receptor-mediated pathway

Madsen, D. H., Leonard, D., Masedunskas, A., Moyer, A., Jürgensen, H. J., Peters, D. E., Amornphimoltham, P., Selvaraj, A., Yamada, S. S., Brenner, D. A., Burgdorf, S., Engelholm, L. H., Behrendt, N., Holmbeck, K., Weigert, R. & Bugge, T. H., 16 sep. 2013, I: *Journal of Cell Biology*. 202, 6, s. 951-66 16 s.

Ficolin-1-PTX3 Complex Formation Promotes Clearance of Altered Self-Cells and Modulates IL-8 Production

Ma, Y. J., Doni, A., Romani, L., Jürgensen, H. J., Behrendt, N., Mantovani, A. & Garred, P., 1 jul. 2013, I: *Journal of Immunology*. 191, 3, s. 1324-33

Targeting a single function of the multifunctional matrix metalloprotease MT1-MMP. Impact on lymphangiogenesis

Ingvarsen, S., Porse, A., Erpicum, C., Maertens, L., Jürgensen, H. J., Madsen, D. H., Carlsen Melander, E. M., Gårdsvoll, H., Høyer-Hansen, G., Noel, A., Holmbeck, K., Engelholm, L. H. & Behrendt, N., 12 apr. 2013, I: *Journal of Biological Chemistry*. 288, 15, s. 10195-204

Differential Actions of the Endocytic Collagen Receptor uPARAP/Endo180 and the Collagenase MMP-2 in Bone Homeostasis

Madsen, D. H., Jürgensen, H. J., Ingvarsen, S., Carlsen Melander, E. M., Albrechtsen, R., Hald, A., Holmbeck, K., Bugge, T. H., Behrendt, N. & Engelholm, L. H., 2013, I: *P L o S One*. 8, 8, s. e71261

Endocytic collagen degradation: A novel mechanism involved in the protection against liver fibrosis

Madsen, D. H., Jürgensen, H. J., Ingvarsen, S., Carlsen Melander, E. M., Vainer, B., Egerod, K. L., Hald, A., Rønø, B., Madsen, M. C., Bugge, T. H., Engelholm, L. H. & Behrendt, N., maj 2012, I: *Journal of Pathology*. 227, 1, s. 94-105

Inhibitory Monoclonal Antibodies against Mouse Proteases Raised in Gene-Deficient Mice Block Proteolytic Functions in vivo

Lund, I. K., Rasch, M. G., Ingvarsen, S., Pass, J., Madsen, D. H., Engelholm, L. H., Behrendt, N. & Høyer-Hansen, G., 2012, I: *Frontiers in Pharmacology*. 3, s. 122

New and paradoxical roles of matrix metalloproteinases in the tumor microenvironment

Noël, A., Gutiérrez-Fernández, A., Sounni, N. E., Behrendt, N., Maquoi, E., Lund, I. K., Cal, S., Hoyer-Hansen, G. & López-Otín, C., 2012, I: *Frontiers in Pharmacology*. 3, s. 140

A novel functional role of collagen glycosylation: interaction with the endocytic collagen receptor uparap/ENDO180

Jürgensen, H. J., Madsen, D. H., Ingvarsen, S., Carlsen Melander, E. M., Gårdsvoll, H., Paththy, L., Engelholm, L. H. & Behrendt, N., 2011, I: *Journal of Biological Chemistry*. 286, 37, s. 32736-48 13 s.

Conformational regulation of urokinase receptor function: impact of receptor occupancy and epitope-mapped monoclonal antibodies on lamellipodia induction

Gårdsvoll, H., Jacobsen, B., Kriegbaum, M. C., Behrendt, N., Engelholm, L., Østergaard, S. & Ploug, M., 2011, I: *Journal of Biological Chemistry*. 286, 38, s. 33544-56 13 s.

The non-phagocytic route of collagen uptake: a distinct degradation pathway

Madsen, D. H., Ingvarsen, S., Jürgensen, H. J., Melander, M. C., Kjøller, L., Moyer, A., Honoré, C., Madsen, M. C., Garred, P., Burgdorf, S., Bugge, T. H., Behrendt, N. & Engelholm, L. H., 2011, I: Journal of Biological Chemistry. 286, 30, s. 26996-7010 15 s.

MT1-MMP and type II collagen specify skeletal stem cells and their bone and cartilage progeny

Szabova, L., Yamada, S. S., Wimer, H., Chrysovergis, K., Ingvarsen, S., Behrendt, N., Engelholm, L. H. & Holmbeck, K., nov. 2009, I: Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research. 24, 11, s. 1905-16 12 s.

The collagen receptor uPARAP/Endo180

Engelholm, L. H., Ingvarsen, S., Jürgensen, H. J., Hillig, T., Madsen, D. H., Nielsen, B. S. & Behrendt, N., 2009, I: Frontiers in Bioscience. 14, s. 2103-14 11 s.

Antibody-mediated targeting of the urokinase-type plasminogen activator proteolytic function neutralizes fibrinolysis in vivo

Lund, I. K., Jögi, A., Rønø, B., Rasch, M. G., Lund, L. R., Almholt, K., Gårdsvoll, H., Behrendt, N., Rømer, J. & Høyer-Hansen, G., 21 nov. 2008, I: Journal of Biological Chemistry. 283, 47, s. 32506-15 10 s.

Dimerization of endogenous MT1-MMP is a regulatory step in the activation of the 72-kDa gelatinase MMP-2 on fibroblasts and fibrosarcoma cells

Ingvarsen, S., Madsen, D. H., Hillig, T., Lund, L. R., Holmbeck, K., Behrendt, N. & Engelholm, L. H., jul. 2008, I: Biological Chemistry. 389, 7, s. 943-53 11 s.

A composite role of vitronectin and urokinase in the modulation of cell morphology upon expression of the urokinase receptor

Hillig, T., Engelholm, L. H., Ingvarsen, S., Madsen, D. H., Gårdsvoll, H., Larsen, J. K., Ploug, M., Danø, K., Kjøller, L. & Behrendt, N., 30 maj 2008, I: Journal of Biological Chemistry. 283, 22, s. 15217-23 7 s.

Extracellular collagenases and the endocytic receptor, urokinase plasminogen activator receptor-associated protein/Endo180, cooperate in fibroblast-mediated collagen degradation

Madsen, D. H., Engelholm, L. H., Ingvarsen, S., Hillig, T., Wagenaar-Miller, R. A., Kjøller, L., Gårdsvoll, H., Høyer-Hansen, G., Holmbeck, K., Bugge, T. H. & Behrendt, N., 14 sep. 2007, I: Journal of Biological Chemistry. 282, 37, s. 27037-45 9 s.

Complementary roles of intracellular and pericellular collagen degradation pathways in vivo

Wagenaar-Miller, R. A., Engelholm, L. H., Gavard, J., Yamada, S. S., Gutkind, J. S., Behrendt, N., Bugge, T. H. & Holmbeck, K., sep. 2007, I: Molecular and Cellular Biology. 27, 18, s. 6309-22 14 s.

Increased expression of the collagen internalization receptor uPARAP/Endo180 in the stroma of head and neck cancer

Sulek, J., Wagenaar-Miller, R. A., Shireman, J., Molinolo, A., Madsen, D. H., Engelholm, L. H., Behrendt, N. & Bugge, T. H., apr. 2007, I: The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society. 55, 4, s. 347-53 7 s.

Intracellular collagen degradation mediated by uPARAP/Endo180 is a major pathway of extracellular matrix turnover during malignancy

Curino, A. C., Engelholm, L. H., Yamada, S. S., Holmbeck, K., Lund, L. R., Molinolo, A. A., Behrendt, N., Nielsen, B. S. & Bugge, T. H., 20 jun. 2005, I: Journal of Cell Biology. 169, 6, s. 977-85 9 s.

Plasminogen activation and cancer

Danø, K., Behrendt, N., Høyer-Hansen, G., Johnsen, M., Lund, L. R., Ploug, M. & Rømer, J., apr. 2005, I: Thrombosis and Haemostasis. 93, 4, s. 676-81 6 s.

Cysteine-rich secretory protein 3 is a ligand of alpha1B-glycoprotein in human plasma

Udby, L., Sørensen, O. E., Pass, J., Johnsen, A. H., Behrendt, N., Borregaard, N. & Kjeldsen, L., 12 okt. 2004, I: Biochemistry. 43, 40, s. 12877-86 10 s.

uPARAP/endo180 directs lysosomal delivery and degradation of collagen IV

Kjøller, L., Engelholm, L. H., Høyer-Hansen, M., Danø, K., Bugge, T. H. & Behrendt, N., 1 feb. 2004, I: *Experimental Cell Research*. 293, 1, s. 106-16 11 s.

The urokinase receptor (uPAR) and the uPAR-associated protein (uPARAP/Endo180): membrane proteins engaged in matrix turnover during tissue remodeling

Behrendt, N., feb. 2004, I: *Biological Chemistry*. 385, 2, s. 103-36 34 s.

The pro-urokinase plasminogen-activation system in the presence of serpin-type inhibitors and the urokinase receptor: rescue of activity through reciprocal pro-enzyme activation

Behrendt, N., List, K., Andreasen, P. A. & Danø, K., 15 apr. 2003, I: *Biochemical Journal*. 371, Pt 2, s. 277-87 11 s.

uPARAP/Endo180 is essential for cellular uptake of collagen and promotes fibroblast collagen adhesion

Engelholm, L. H., List, K., Netzel-Arnett, S., Cukierman, E., Mitola, D. J., Aaronson, H., Kjøller, L., Larsen, J. K., Yamada, K. M., Strickland, D. K., Holmbeck, K., Danø, K., Birkedal-Hansen, H., Behrendt, N. & Bugge, T. H., 31 mar. 2003, I: *Journal of Cell Biology*. 160, 7, s. 1009-15 7 s.

Matriptase/MT-SP1 is required for postnatal survival, epidermal barrier function, hair follicle development, and thymic homeostasis

List, K., Haudenschild, C. C., Szabo, R., Chen, W., Wahl, S. M., Swaim, W., Engelholm, L. H., Behrendt, N. & Bugge, T. H., 23 maj 2002, I: *Oncogene*. 21, 23, s. 3765-79 15 s.

Urokinase receptor-associated protein (uPARAP) is expressed in connection with malignant as well as benign lesions of the human breast and occurs in specific populations of stromal cells

Schnack Nielsen, B., Rank, F., Engelholm, L. H., Holm, A., Danø, K. & Behrendt, N., 10 apr. 2002, I: *International Journal of Cancer*. 98, 5, s. 656-64 9 s.

The urokinase plasminogen activator receptor-associated protein/endo180 is coexpressed with its interaction partners urokinase plasminogen activator receptor and matrix metalloprotease-13 during osteogenesis

Engelholm, L. H., Nielsen, B. S., Netzel-Arnett, S., Solberg, H., Chen, X. D., Lopez Garcia, J. M., Lopez-Otin, C., Young, M. F., Birkedal-Hansen, H., Danø, K., Lund, L. R., Behrendt, N. & Bugge, T. H., okt. 2001, I: *Laboratory investigation; a journal of technical methods and pathology*. 81, 10, s. 1403-14 12 s.

Urokinase-catalysed cleavage of the urokinase receptor requires an intact glycolipid anchor

Høyer-Hansen, G., Pessara, U., Holm, A., Pass, J., Weidle, U., Danø, K. & Behrendt, N., 15 sep. 2001, I: *Biochemical Journal*. 358, Pt 3, s. 673-9 7 s.

Differential binding of urokinase and peptide antagonists to the urokinase receptor: evidence from characterization of the receptor in four primate species

Engelholm, L. H. & Behrendt, N., mar. 2001, I: *Biological Chemistry*. 382, 3, s. 435-42 8 s.

The urokinase receptor associated protein (uPARAP/endo180): a novel internalization receptor connected to the plasminogen activation system

Engelholm, L. H., Nielsen, B. S., Danø, K. & Behrendt, N., jan. 2001, I: *Trends in Cardiovascular Medicine*. 11, 1, s. 7-13 7 s.

Plasminogen-independent initiation of the pro-urokinase activation cascade in vivo. Activation of pro-urokinase by glandular kallikrein (mGK-6) in plasminogen-deficient mice

List, K., Jensen, O. N., Bugge, T. H., Lund, L. R., Ploug, M., Danø, K. & Behrendt, N., 25 jan. 2000, I: *Biochemistry*. 39, 3, s. 508-15 8 s.

A urokinase receptor-associated protein with specific collagen binding properties

Behrendt, N., Jensen, O. N., Engelholm, L. H., Mørtz, E., Mann, M. & Danø, K., 21 jan. 2000, I: *Journal of Biological Chemistry*. 275, 3, s. 1993-2002 10 s.

Different mechanisms are involved in the antibody mediated inhibition of ligand binding to the urokinase receptor: a study based on biosensor technology

List, K., Høyer-Hansen, G., Rønne, E., Danø, K. & Behrendt, N., 1 jan. 1999, I: Journal of Immunological Methods. 222, 1-2, s. 125-33 9 s.

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