Simone Riis Porsborg
Lektor, Adjunkt
Institut for Medicin og Sundhedsteknologi
Det Sundhedsvidenskabelige Fakultet
Regenerative Medicine
Postaddresse:
Fredrik Bajers Vej 3
B, 2-207
9220
Aalborg Ø
Danmark
E-mail: sriis@hst.aau.dk
Telefon: 9940 7567

Ansættelse

Lektor
Lektor
Institut for Medicin og Sundhedsteknologi
Det Sundhedsvidenskabelige Fakultet
Gistrup, Danmark
1 sep. 2012 → 31 dec. 4712

Lektor
Lektor
Det Sundhedsvidenskabelige Fakultet
Gistrup, Danmark
1 sep. 2012 → 31 dec. 4712

Lektor
Lektor
Regenerative Medicine
Det Sundhedsvidenskabelige Fakultet
Gistrup, Danmark
1 sep. 2012 → 31 dec. 4712

Probiotic Research Initiative™
Det Sundhedsvidenskabelige Fakultet
1 jan. 2022 → present

Fagstøttelære
Olivia Denmark
Danmark
1 aug. 2021 → present

Publikationer

Bioprintet væv bygger bro mellem grundforskning og klinisk anvendelse
Pennisi, P. & Porsborg, S. R., apr. 2025, I: Medicoteknik. 12, 2, s. 14-17

Comparative analysis of cryopreserved adipose stem cells expanded in hollow fiber bioreactor versus conventional tissue culture flasks
Ren, G., Sørensen, M. B., Porsborg, S. R., Fink, T., Zachar, V. & Peng, Q., 30 dec. 2024, I: Scientific Reports. 14, 1, 31853.

Exploring the Potential of Ultrasound Therapy to Reduce Skin Scars: An In Vitro Study Using a Multi-Well Device Based on Printable Piezoelectric Transducers
Riis Porsborg, S., Krzyslak, H., Pierchala, M. K., Trolé, V., Astafiev, K., Lou-Moeller, R. & Pennisi, C. P., 9 maj 2023, I: Bioengineering (Basel, Switzerland). 10, 5, 566.

Correction: Peng et al. Distinct Dominant Lineage from In Vitro Expanded Adipose-Derived Stem Cells (ASCs) Exhibits Enhanced Wound Healing Properties. Cells 2022, 11, 1236
Peng, Q., Ren, G., Xuan, Z., Duda, M., Pennisi, C. P., Porsborg, S. R., Fink, T. & Zachar, V., 6 apr. 2023, I: Cells. 12, 7, 1095.

Selection and validation of reference genes for qPCR analysis of differentiation and maturation of THP-1 cells into M1 macrophage-like cells
Ren, G., Juhl, M., Peng, Q., Fink, T. & Porsborg, S. R., nov. 2022, I: Immunology & Cell Biology. 100, 10, s. 822-829 8 s.

A Comparative Analysis of the Wound Healing-Related Heterogeneity of Adipose-Derived Stem Cells Donors
Ren, G., Peng, Q., Emmersen, J., Zachar, V., Fink, T. & Porsborg, S. R., 6 okt. 2022, I: Pharmaceutics. 14, 10, 2126.

Potency assays for human adipose-derived stem cells as a medicinal product toward wound healing
Ren, G., Peng, Q., Fink, T., Zachar, V. & Porsborg, S. R., 11 jun. 2022, I: Stem Cell Research & Therapy. 13, 1, s. 249 249.

Distinct Dominant Lineage from In Vitro Expanded Adipose-Derived Stem Cells (ASCs) Exhibits Enhanced Wound Healing Properties
Peng, Q., Ren, G., Xuan, Z., Duda, M., Pennisi, C. P., Porsborg, S. R., Fink, T. & Zachar, V., 6 apr. 2022, I: Cells. 11, 7, 1236.

Stamceller og sårheling
Porsborg, S. R., mar. 2021, I: Aktuel Naturvidenskab. 2021, 2, s. 34-38 4 s.

Multiplex Analysis of Adipose-Derived Stem Cell (ASC) Immunophenotype Adaption to In Vitro Expansion
Peng, Q., Duda, M., Ren, G., Xuan, Z., Pennisi, P., Porsborg, S. R., Fink, T. & Zachar, V., 22 jan. 2021, I: Cells. 10, 2, s. 1-13 13 s., 218.

Systematic Review of Stem-Cell-Based Therapy of Burn Wounds: Lessons Learned from Animal and Clinical Studies
Henriksen, J. L., Sørensen, N. B., Fink, T., Zachar, V. & Porsborg, S. R., 26 nov. 2020, I: Cells. 9, 12, 2545.

Distribution of Stromal Cell Subsets in Cultures from Distinct Ocular Surface Compartments
Liu, L., Yu, Y., Peng, Q., Porsborg, S. R., Nielsen, F. M., Jørgensen, A., Grove, A., Bath, C., Hjortdal, J., Christiansen, O. B., Fink, T. & Zachar, V., 3 nov. 2020, I: Journal of ophthalmic & vision research. 15, 4, s. 493-501 9 s.

Evolution of ASC Immunophenotypical Subsets During Expansion In Vitro
Peng, Q., Alipour, H., Porsborg, S., Fink, T. & Zachar, V., 19 feb. 2020, I: International Journal of Molecular Sciences . 21, 4, 1408.

Fabrication and characterization of extracellular matrix scaffolds obtained from adipose-derived stem cells
Riis, S., Hansen, A. C., Johansen, L., Lund, K., Pedersen, C., Pitsa, A., Hyldig, K., Zachar, V., Fink, T. & Pennisi, C. P., 15 jan. 2020, I: Methods. 171, s. 68-76 9 s.

Stamceller fra fedtvæv kan få dit sår til at hele hurtigere!
Porsborg, S. R. (Producent), 2020

Potency markers for Adipose-derived Stem Cells for treatment of Chronic Wound
Ren, G., Porsborg, S. R. & Fink, T., 2 maj 2019.

Pigmentation is associated with stemness hierarchy of progenitor cells within cultured limbal epithelial cells
Liu, L., Nielsen, F. M., Emmersen, J., Bath, C., Hjortdal, J. Ø., Riis, S., Fink, T., Pennisi, C. P. & Zachar, V., sep. 2018, I: Stem Cells. 36, 9, s. 1411-1420 10 s.

Maintaining RNA integrity for transcriptomic profiling of ex vivo cultured limbal epithelial stem cells after fluorescence-activated cell sorting (FACS)
Liu, L., Nielsen, F. M., Riis, S. E., Emmersen, J., Fink, T., Hjortdal, J. Ø., Bath, C. & Zachar, V., 12 dec. 2017, I: Biological Procedures Online. 19, 7 s., 15.

Implications of extracellular matrix production by adipose tissue-derived stem cells for development of wound healing therapies
Hyldig, K., Riis, S., Pennisi, C. P., Zachar, V. & Fink, T., 31 maj 2017, I: International Journal of Molecular Sciences . 18, 6 , 11 s., 1167.

Hypoxia enhances the wound-healing potential of adipose-derived stem cells in a novel human primary keratinocyte-based scratch assay
Riis, S., Newman, R., Ipek, H., Andersen, J. I., Kuninger, D., Boucher, S., Vemuri, M. C., Pennisi, C. P., Zachar, V. & Fink, T., 2017, I: International Journal of Molecular Medicine. 39, 3, s. 587-594

Adipose-derived stem cells for treatment of chronic wounds
Riis, S. E., 2016, Aalborg Universitetsforlag.

Comparative analysis of media and supplements on initiation and expansion of adipose-derived stem cells
Riis, S., Nielsen, F. M., Pennisi, C. P., Zachar, V. & Fink, T., 2016, I: Stem Cells Translational Medicine. 5, 3, s. 314-324

Discrete adipose-derived stem cell subpopulations may display differential functionality after in vitro expansion despite convergence to a common phenotype distribution
Nielsen, F. M., Riis, S. E., Andersen, J. I., Lesage, R., Fink, T., Pennisi, C. P. & Zachar, V., 2016, I: Stem Cell Research & Therapy. 7, 13 s., 177.

Mass spectrometry analysis of adipose-derived stem cells reveals a significant effect of hypoxia on pathways regulating extracellular matrix
Riis, S. E., Stensballe, A., Emmersen, J., Pennisi, C. P., Birkelund, S., Zachar, V. & Fink, T., 2016, I: Stem Cell Research & Therapy. 7, 1, 14 s., 52.

Pooled human platelet lysate supports the isolation and efficient expansion of skeletal muscle myoblasts
Pennisi, C. P., Riis, S. E., Boyer, A., Fink, T. & Zachar, V., 2016, *Abstracts, DASCS Stem Cell Conference 2016, 10-11 November 2016, Copenhagen, Denmark.* Danish Stem Cell Society, s. 23 P10

Critical steps in the isolation and expansion of adipose-derived stem cells for translational therapy
Riis, S. E., Zachar, V., Boucher, S., Vemuri, M. C., Pennisi, C. P. A. & Fink, T., 2015, I: Expert Reviews in Molecular Medicine. 17, 11 s., e11.

Investigation of ASC-mediated wound healing in in vitro skin injury models
Riis, S. E., Newman, R., Kuninger, D., Boucher, S., Vermuri, M., Zachar, V. & Fink, T., 2014, I: Cytotherapy. 16, 4, Suppl., s. S93 Abstract No. 326.

Activation of protease-activated receptor 2 induces VEGF independently of HIF-1
Rasmussen, J., Riis, S. E., Frøbert, O., Yang, S., Kastrup, J., Zachar, V., Simonsen, U. & Fink, T., 25 sep. 2012, I: P L o S One. 7, 9, s. Article No. e46087

Effect of unaccustomed eccentric exercise on proprioception of the knee in weight and non-weight bearing tasks
Vila-Cha, C., Riis, S. E., Lund, D. H., Møller, A. H., Farina, D. & Falla, D. L., 2011, I: Journal of Electromyography & Kinesiology. 21, 1, s. 141-147

In human adipose stem cells trypsin treatment upregulates expression and secretion of VEGF in a manner independent of hypoxia inducible factor 1
Fink, T., Rasmussen, J., Porsborg, S. R., Lundsted, D. H., Larsen, B. F., Frobert, O., Kastrup, J., Simonsen, U. & Zachar, V., 2011, *Miami IFATS 2011 Conference: [The 9th Annual Symposium on Adipose Stem Cells and Clinical Applications of Adipose Tissue], 4-6 November 2011, Miami, FL, USA*. International Federation for Adipose Therapeutics and Science, IFATS, s. 84, No. 109

Presse/medie

Bioprintet væv bygger bro mellem grundforskning og klinisk anvendelse
Porsborg, S. R.
15/04/2025
1 Mediebidrag

Legat til talentfuld diabetesforsker
Porsborg, S. R.
03/12/2018
1 element af Mediedækning

Overrækkelse af Diabetesforeningens Forskningslegat 2018
Porsborg, S. R.
16/11/2018 → 16/11/2018
12 elementer af Mediedækning

Tre forskertalenter fik legater
Porsborg, S. R.
21/02/2019
1 element af Mediedækning

Uddannelse: Tidligere Ryomgård pige scorer ph.d.-grad
Riis, S. E.
19/05/2016
13 elementer af Mediedækning