

Kent Søe

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**Scientific career and Education****1.8.2021 - ...**

Head of Research at Pathology Research Unit, Department of Clinical Research, University of Southern Denmark, Denmark / Department of Pathology, Odense University Hospital, Denmark.

1.2.2020 - ...

Work Environment Manager, Department of Clinical Research, University of Southern Denmark, Denmark.

1.1.2019 – ...

Associate professor at Clinical Cell Biology, Department of Pathology, Odense University Hospital, University of Southern Denmark/Department of Clinical Research/Department of Molecular Medicine.

September 2022 - November 2023

Research Leadership course – for Heads of Research, University of Southern Denmark, Odense, Denmark

September 2021 - February 2022

Management course “Effective research- Increasing value by reducing waste”, University of Southern Denmark & Odense University Hospital, Odense, Denmark.

September - October 2020

Work Environment Management course, Confederation of Danish Employers, Aarhus, Denmark

01.12.2014 – 31.12.2018

Associate professor (lektor) at the Institute of Regional Health Research at the University of Southern Denmark. The place of employment is still at the Department of Clinical Cell Biology at Vejle Hospital.

January 2012 – Nov 2014

Assistant professor (adjunkt) at the Institute of Regional Health Research at the University of Southern Denmark. The place of employment is still at the Department of Clinical Cell Biology at Vejle Hospital.

January - December 2013

University Lecturer Training Program, University of Southern Denmark

July 2006 – December 2011

Senior scientist (Seniorforsker) at Vejle Hospital, Denmark, in the Department of Clinical Cell Biology headed by Professor Jean-Marie Delaissé. The group is associated to the Institute of Regional Health Sciences, University of Southern Denmark.

Feb. 2002 – June 2006

Leader of my own group of 4-6 people/year (1 technician, 1 Ph.D student, 9 Master students, 3 trainees and guests) at the Institute of Molecular Biotechnology, Dept. of Biochemistry, Jena, Germany. New name 2/8-05: Leibniz Institute for Age Research – Fritz-Lipmann-Institute.

February 25th 2002

Obtained degree of Dr.rer.nat (PhD) from the Friedrich Schiller University, Jena, Germany.

Apr. 1998 - Feb. 2002

Ph.D. study at the Institute of Molecular Biotechnology, Dept. of Biochemistry, Jena, Germany. Title: “Studies on the removal of human topoisomerase I cleavage complexes in vitro and the involvement of the tumor suppressor protein p53”. The project was supervised by Prof. Frank Große. The period included a 3 month paternity leave.

February 4th 1998

Obtained degree of Master of Science (Cand.scient) from the University of Aarhus, Denmark.

1992 – 1998

Study of Biology at the University of Aarhus, Denmark. Carried out Master's project at the Department of Molecular Biology supervised by Prof. Vilhelm Bohr (Baltimore) and Dr. Tinna Stevnsner (Aarhus). Title: "Studies on the possible Recognition and Repair of Topoisomerase I-DNA Complexes in vitro Using Human Whole Cell Extract".

1989 – 1992

Rødkilde Highschool (Rødkilde Gymnasium), Vejle, Denmark. Mathematical line.

1988 – 1989

Rotary exchange student in Jamestown, New York, USA.

Overview of teaching activities

2019 – present

SU803: "Pharmacology B" to all biomedicine students in the 1st semester of their master giving a 2h lecture on "Pharmacology and bone diseases" in the fall semester. Faculty of Natural Sciences, University of Southern Denmark, Denmark.

SU810: "Human pathophysiology" to all biomedicine students in the 1st semester of their master giving a 3h lecture on "Cancer and bone metastases" in the fall semester. Faculty of Natural Sciences, University of Southern Denmark, Denmark.

BMB829: "Introduction to histology and cytology techniques" to 16 biomedicine students in the 2nd semester of their master (2h lecture / spring semester). Faculty of Natural Sciences, University of Southern Denmark, Denmark.

2013 – present

Module B12 - pathology: "From healthy to sick" teaching the lecture: "Aging and the Skeleton" to 170 medical students in the 6th (and last) semester of their bachelor (both spring and fall semester)(10 hrs/semester + 1h electronic lecture recorded using Adobe Presenter). Actively involved in examinations. Faculty of Health Sciences, University of Southern Denmark, Denmark.

2013 – 2015

SU808 – pathology: "Human Pathophysiology B" teaching the lecture: "Reactive Bone Remodeling" to 25-35 biomedicine students in the 1st semester of their master (7th semester)(spring semester) (2 hrs/semester). Faculty of Health Sciences, University of Southern Denmark, Denmark.

2002 – 2006

Biochemistry lab-course (50 hrs/semester) and a literature seminar (19 hrs/semester) for biochemistry students in their 4th semester.

Friedrich-Schiller University, Jena, Germany.

2002 – 2006

Biochemistry lectures for 4th and 7th semester biochemistry students together with Prof. Große, Friedrich-Schiller University, Jena, Germany

Supervisions

2006 – present

3 technicians

Supervisor: 1 PostDoc, 1 PhD-Student, 5 Master of Science Students, 3 Master of Medicine students, 5 Bachelor of Science Students, 11 university projects, and 6 guest scientists.

Co-supervisor: 2 Master students, 15 PhD-students and 3 guest scientists.

2002 – 2006

2 technicians, 1 PhD student, 9 Master of Science students, 3 trainees and guests

Publications - peer review

Basic and clinical scientists working together - Do we make the best of both worlds?

Lems, W. F., Anastasilakis, A. D., Andreasen, C. M., Paccou, J., Rolvien, T., Tencerova, M., Tuckermann, J., Yavropoulou, M. P. & Sørensen, K., 14. Feb 2025, In: *Calcified Tissue International*. 116, 11 p., 39.

Research output: Contribution to journal › Journal article › Research › peer-review

Real-time analysis of osteoclast resorption and fusion dynamics in response to bone resorption inhibitors

Panwar, P., Olesen, J. B., Blum, G., Delaissé, J.-M., Søre, K. & Brømme, D., 28. Mar 2024, In: Scientific Reports. 14, 15 p., 7358.

Research output: Contribution to journal › Journal article › Research › peer-review

Human osteoclasts in vitro are dose dependently both inhibited and stimulated by cannabidiol (CBD) and Δ^9 -tetrahydrocannabinol (THC)

Nielsen, S. S. R., Pedersen, J. A., Sharma, N., Wasehuus, P. K., Hansen, M. S., Møller, A. M., Goldberg Borggaard, X., Rauch, A., Frost, M., Søndergaard, T. E. & Søre, K., Apr 2024, In: Bone. 181, 13 p., 117035.

Research output: Contribution to journal › Journal article › Research › peer-review

Stage-Specific Modulation of Multinucleation, Fusion and Resorption by the Long Non-coding RNA DLEU1 and miR-16 in Human Primary Osteoclasts

Moura, S. R., Sousa, A. B., Olesen, J. B., Barbosa, M. A., Søre, K. & Almeida, M. I., 11. Oct 2024, In: Cell Death & Disease. 15, 10, 16 p., 741.

Research output: Contribution to journal › Journal article › Research › peer-review

Transcriptional reprogramming during human osteoclast differentiation identifies regulators of osteoclast activity

Hansen, M. S., Madsen, K., Price, M., Søre, K., Omata, Y., Zaiss, M. M., Gorvin, C. M., Frost, M. & Rauch, A., 24. Jan 2024, In: Bone Research. 12, 1, 5.

Research output: Contribution to journal › Journal article › Research › peer-review

A perspective on muscle phenotyping in musculoskeletal research

Foessel, I., Ackert-Bicknell, C. L., Kague, E., Laskou, F., Jakob, F., Karasik, D., Obermayer-Pietsch, B., Co-authors, Sharma, N. (Member of author group) & Søre, K. (Member of author group), Jun 2024, In: Trends in Endocrinology and Metabolism. 35, 6, p. 478-489

Research output: Contribution to journal › Journal article › Research › peer-review

A variability in response of osteoclasts to zoledronic acid is mediated by smoking-associated modification in the DNA methylome

Tan, Q., Marie Julie Møller, A., Qiu, C., Madsen, J. S., Shen, H., Bechmann, T., Delaissé, J.-M., Kristensen, B. W., Deng, H.-W., Karasik, D. & Søre, K., 13. Mar 2023, In: Clinical Epigenetics. 15, 1, 14 p., 42.

Research output: Contribution to journal › Journal article › Research › peer-review

HBP/O-GlcNAcylation metabolic axis regulates bone resorption outcome

Taira, T., Ramos-Junior, E., Melo, P., Costa-Silva, C., Alteen, M., Vocado, D., Dias, W., Cunha, F., Alves-Filho, F., Søre, K. & Fukada, S., Apr 2023, In: Journal of Dental Research. 102, 4, p. 440-449

Research output: Contribution to journal › Journal article › Research › peer-review

Sugar transporter Slc37a2 regulates bone metabolism in mice via a tubular lysosomal network in osteoclasts

Ng, P. Y., Ribet, A. B. P., Guo, Q., Mullin, B. H., Tan, J. W. Y., Landao-Bassonga, E., Stephens, S., Chen, K., Yuan, J., Abudulai, L., Bollen, M., Nguyen, E. T. T. T., Kular, J., Papadimitriou, J. M., Søre, K., Teasdale, R. D., Xu, J., Parton, R. G., Takayanagi, H. & Pavlos, N. J., 21. Feb 2023, In: Nature Communications. 14, 1, 23 p., 906.

Research output: Contribution to journal › Journal article › Research › peer-review

GIP reduces osteoclast activity and improves osteoblast survival in primary human bone cells

Hansen, M. S., Søre, K., Christensen, L. L., Guerra, P. F., Hansen, N. W., Wyatt, R. A., Martin, C. S., Hardy, R. S., Andersen, T. L., Olesen, J. B., Hartmann, B., Rosenkilde, M. M., Kassem, M., Rauch, A., Gorvin, C. M. & Frost, M., 2023, In: European Journal of Endocrinology. 188, 1, 14 p., Ivac004.

Research output: Contribution to journal › Journal article › Research › peer-review

Functional heterogeneity within osteoclast populations – a critical review of four key publications that may change the paradigm of osteoclasts

Sharma, N., Weivoda, M. M. & Søre, K., Oct 2022, In: Current Osteoporosis Reports. 20, 5, p. 344-355

Research output: Contribution to journal › Journal article › Research › peer-review

Early-onset osteoporosis: Rare monogenic forms elucidate the complexity of disease pathogenesis beyond type I collagen
Costantini, A., Mäkitie, R., Hartmann, M. A., Fratzl-Zelman, N., Zillikens, M. C., Kornak, U., Søre, K. & Mäkitie, O., Sept 2022, In: *Journal of Bone and Mineral Research*. 37, 9, p. 1623-1641

Research output: Contribution to journal › Journal article › Research › peer-review

A Metastasis-On-a-Chip Approach to Explore the Sympathetic Modulation of Breast Cancer Bone Metastasis

Conceição, F., Sousa, D., Loessberg-Zahl, J., Vollertsen, A., Neto, E., Søre, K., Paredes, J., Leferink, A. & Lamghari, M., Jan 2022, In: *Materials Today Bio*. 13, 100219.

Research output: Contribution to journal › Journal article › Research › peer-review

Osteoclast formation at the bone marrow/bone surface interface: Importance of structural elements, matrix, and intercellular communication

Søre, K., Delaissé, J.-M. & Goldberg Borggaard, X., Apr 2021, In: *Seminars in Cell & Developmental Biology*. 112, p. 8-15

Research output: Contribution to journal › Journal article › Research › peer-review

Efficient generation of osteoclasts from human induced pluripotent stem cells and functional investigations of lethal CLCN7-related osteopetrosis

Rössler, U., Hennig, A. F., Stelzer, N., Bose, S., Kopp, J., Søre, K., Cyganek, L., Zifarelli, G., Ali, S., von der Hagen, M., Strässler, E. T., Hahn, G., Pusch, M., Stauber, T., Izsvak, Z., Gossen, M., Stachelscheid, H. & Kornak, U., Aug 2021, In: *Journal of Bone and Mineral Research*. 36, 8, p. 1621-1635

Research output: Contribution to journal › Journal article › Research › peer-review

Perspective of the GEMSTONE Consortium on Current and Future Approaches to Functional Validation for Skeletal Genetic Disease Using Cellular, Molecular and Animal-Modeling Techniques

Rauner, M., Foessler, I., Formosa, M. M., Kague, E., Prijatelj, V., Alonso Lopez, N., Banerjee, B., Bergen, D., Busse, B., Calado, Á., Douni, E., Gabet, Y., Garcia Giral, N., Grinberg, D., Lovsin, N. M., Nogue Solan, X., Ostanek, B., Pavlos, N. J., Rivadeneira, F. & Soldatovic, I. & 8 others, van de Peppel, J., van der Eerden, B. C. J., Van Hul, W., Balcells, S., Marc, J., Reppe, S., Søre, K. & Karasik, D., 30. Nov 2021, In: *Frontiers in Endocrinology*. 12, 34 p., 731217.

Research output: Contribution to journal › Journal article › Research › peer-review

Osteosarcoma and Metastasis Associated Bone Degradation: A Tale of Osteoclast and Malignant Cell Cooperativity

Nørregaard, K. S., Jürgensen, H. J., Gårdsvoll, H., Engelholm, L. H., Behrendt, N. & Søre, K., 25. Jun 2021, In: *International Journal of Molecular Sciences*. 22, 13, 14 p., 6865.

Research output: Contribution to journal › Journal article › Research › peer-review

The "GENomics of Musculo Skeletal Traits TranslatiOnal NETwork": Origins, Rationale, Organization, and Prospects

Koromani, F., Alonso, N., Alves, I., Brandi, M. L., Foessler, I., Formosa, M. M., Morgenstern, M. F., Karasik, D., Kolev, M., Mäkitie, O., Ntzani, E., Obermayer-Pietsch, B., Ohlsson, C., Rauner, M., Søre, K., Soldatovic, I., Teti, A., Valjevac, A. & Rivadeneira, F., 2021, In: *Frontiers in Endocrinology*. 12, 709815.

Research output: Contribution to journal › Journal article › Research › peer-review

The Mechanism Switching the Osteoclast From Short to Long Duration Bone Resorption

Delaisse, J. M., Søre, K., Andersen, T. L., Rojek, A. M. & Marcussen, N., 30. Mar 2021, In: *Frontiers in Cell and Developmental Biology*. 9, 17 p., 644503.

Research output: Contribution to journal › Journal article › Research › peer-review

Osteoclast Fusion: Physiological Regulation of Multinucleation through Heterogeneity - Potential Implications for Drug Sensitivity

Søre, K., 19. Oct 2020, In: *International Journal of Molecular Sciences*. 21, 20, 17 p., 7717.

Research output: Contribution to journal › Journal article › Research › peer-review

Aging and menopause reprogram osteoclast precursors for aggressive bone resorption

Marie Julie Møller, A., Delaissé, J.-M., Olesen, J. B., Madsen, J. S., Matos Do Canto Alvim, L., Bechmann, T., Rogatto, S. R. & Søre, K., 1. Jul 2020, In: *Bone Research*. 8, 11 p., 27.

Research output: Contribution to journal › Journal article › Research › peer-review

Fusion-Potential of Human Osteoclasts in vitro Reflects Age, Menopause, and in vivo Bone Resorption Levels of their Donors: A Possible Involvement of DC-STAMP

Marie Julie Møller, A., Delaissé, J.-M., Bastholm Olesen, J., Canto, L. M. D., Rogatto, S. R., Madsen, J. S. & Søe, K., 2. Sept 2020, In: International Journal of Molecular Sciences. 21, 17, 16 p., 6368.

Research output: Contribution to journal › Journal article › Research › peer-review

Zoledronic acid is not equally potent on osteoclasts generated from different individuals

Marie Julie Møller, A., Delaissé, J.-M., Bastholm Olesen, J., Bechmann, T., Madsen, J. S. & Søe, K., 11. Nov 2020, In: JBMR Plus. 4, 11, 13 p., e10412.

Research output: Contribution to journal › Journal article › Research › peer-review

Osteoclasts' ability to generate trenches rather than pits depends on high levels of active cathepsin K and efficient clearance of resorption products

Goldberg Borggaard, X., Pirapaharan, D. C., Delaissé, J.-M. & Søe, K., 18. Aug 2020, In: International Journal of Molecular Sciences. 21, 16, 18 p., 5924.

Research output: Contribution to journal › Journal article › Research › peer-review

Re-thinking the bone remodeling cycle mechanism and the origin of bone loss

Delaisse, J.-M., Andersen, T. L., Kristensen, H. B., Jensen, P. R., Andreasen, C. M. & Søe, K., 17. Nov 2020, In: Bone. 141, 14 p., 115628.

Research output: Contribution to journal › Journal article › Research › peer-review

Coordination of Fusion and Trafficking of Pre-osteoclasts at the Marrow–Bone Interface

Søe, K., Andersen, T. L., Hinge, M., Rolighed, L., Marcussen, N. & Delaisse, J. M., Oct 2019, In: Calcified Tissue International. 105, 4, p. 430-445

Research output: Contribution to journal › Journal article › Research › peer-review

A Mild Inhibition of Cathepsin K Paradoxically Stimulates the Resorptive Activity of Osteoclasts in Culture

Pirapaharan, D. C., Søe, K., Panwar, P., Madsen, J. S., Bergmann, M. L., Overgaard, M., Brømme, D. & Delaisse, J.-M., Jan 2019, In: Calcified Tissue International. 104, 1, p. 92-101

Research output: Contribution to journal › Journal article › Research › peer-review

Catabolic activity of osteoblast lineage cells contributes to osteoclastic bone resorption in vitro

Pirapaharan, D. C., Olesen, J. B., Andersen, T. L., Christensen, S. B., Kjærsgaard-Andersen, P., Delaisse, J. M. & Søe, K., 15. May 2019, In: Journal of Cell Science. 132, 10, jcs229351.

Research output: Contribution to journal › Journal article › Research › peer-review

Septins are critical regulators of osteoclastic bone resorption

Møller, A. M. J., Füchtbauer, E.-M., Brüel, A., Andersen, T. L., Borggaard, X. G., Pavlos, N. J., Thomsen, J. S., Pedersen, F. S., Delaisse, J.-M. & Søe, K., 1. Dec 2018, In: Scientific Reports. 8, 1, 15 p., 13016.

Research output: Contribution to journal › Journal article › Research › peer-review

Time-lapse reveals that osteoclasts can move across the bone surface while resorbing

Søe, K. & Delaissé, J.-M., 15. Jun 2017, In: Journal of Cell Science. 130, 12, p. 2026-2035

Research output: Contribution to journal › Journal article › Research › peer-review

An Ectosteric Inhibitor of Cathepsin K Inhibits Bone Resorption in Ovariectomized Mice

Panwar, P., Xue, L., Søe, K., Srivastava, K., Law, S., Delaisse, J.-M. & Brømme, D., 15. Dec 2017, In: Journal of Bone and Mineral Research. 32, 12, p. 2415-2430

Research output: Contribution to journal › Journal article › Research › peer-review

Osteoclast Fusion: Time-Lapse Reveals Involvement of CD47 and Syncytin-1 at Different Stages of Nuclearity

Marie Julie Møller, A., Delaissé, J.-M. & Søe, K., Jun 2017, In: Journal of Cellular Physiology. 232, 6, p. 1396-1403

Research output: Contribution to journal › Journal article › Research › peer-review

Coupling of Bone Resorption and Formation in Real Time: New Knowledge Gained From Human Haversian BMUs

Lassen, N. E., Levin Andersen, T., Pløen, G. G., Søre, K., Hauge, E. M., Harving, S., Eschen, G. E. T. & Delaissé, J.-M., Jul 2017, In: *Journal of Bone and Mineral Research*. 32, 7, p. 1395-1405

Research output: [Contribution to journal](#) > [Journal article](#) > [Research](#) > [peer-review](#)

A novel approach to inhibit bone resorption: exosite inhibitors against cathepsin K

Panwar, P., Søre, K., Guido, R. V., Bueno, R. V. C., Delaisse, J.-M. & Brømme, D., Jan 2016, In: *British Journal of Pharmacology*. 173, 2, p. 396-410

Research output: [Contribution to journal](#) > [Journal article](#) > [Research](#) > [peer-review](#)

The elementary fusion modalities of osteoclasts

Søre, K., Hobolt-Pedersen, A. S. & Delaisse, J. M., 2015, In: *Bone*. 73, p. 181-189

Research output: [Contribution to journal](#) > [Journal article](#) > [Research](#) > [peer-review](#)

Pit- and trench-forming osteoclasts: a distinction that matters

Merrild, D. M., Pirapaharan, D. C., Andreasen, C. M., Kjærsgaard-Andersen, P., Julie Marie Møller, A., Ding, M., Delaissé, J.-M. & Søre, K., 1. Dec 2015, In: *Bone Research*. 3, 11 p., 15032.

Research output: [Contribution to journal](#) > [Journal article](#) > [Research](#) > [peer-review](#)

Dosing related effects of zoledronic acid on bone markers and creatinine clearance in patients with multiple myeloma and metastatic breast cancer

Søre, K., Delaissé, J.-M., Jakobsen, E. H., Hansen, C. & Plesner, T., 2014, In: *Acta Oncologica*. 53, 4, p. 547-556

Research output: [Contribution to journal](#) > [Journal article](#) > [Research](#) > [peer-review](#)

Osteoclast Fusion is Based on Heterogeneity Between Fusion Partners

Hobolt-Pedersen, A.-S., Delaissé, J.-M. & Søre, K., 27. May 2014, In: *Calcified Tissue International*. 95, 1, p. 73-82

Research output: [Contribution to journal](#) > [Journal article](#) > [Research](#) > [peer-review](#)

Does collagen trigger the recruitment of osteoblasts into vacated bone resorption lacunae during bone remodeling?

Abdelgawad, M. E., Søre, K., Andersen, T. L., Merrild, D. M. H., Christiansen, P., Kjærsgaard-Andersen, P. & Delaisse, J.-M., Oct 2014, In: *Bone*. 67, p. 181-188

Research output: [Contribution to journal](#) > [Journal article](#) > [Research](#) > [peer-review](#)

Is retention of zoledronic acid onto bone different in multiple myeloma and breast cancer patients with bone metastasis?

Søre, K., Plesner, T., Jakobsen, E. H., Hansen, C. T., Jørgensen, H. B. & Delaissé, J.-M., Aug 2013, In: *Journal of Bone and Mineral Research*. 28, 8, p. 1738-1750

Research output: [Contribution to journal](#) > [Journal article](#) > [Research](#) > [peer-review](#)

Steering the osteoclast through the demineralization-collagenolysis balance

Søre, K., Merrild, D. M. H. & Delaissé, J.-M., 2013, In: *Bone*. 56, 1, p. 191-198

Research output: [Contribution to journal](#) > [Journal article](#) > [Research](#) > [peer-review](#)

Glucocorticoid-Induced Changes in the Geometry of Osteoclast Resorption Cavities Affect Trabecular Bone Stiffness

Vanderoost, J., Søre, K., Merrild, D. M. H., Delaissé, J.-M. & van Lenthe, G. H., Nov 2012, In: *Calcified Tissue International*. 11 p.

Research output: [Contribution to journal](#) > [Journal article](#) > [Research](#) > [peer-review](#)

Premature loss of bone remodeling compartment canopies is associated with deficient bone formation: a study of healthy individuals and patients with Cushing's syndrome

Jensen, P. R., Levin Andersen, T., Søre, K., Hauge, E. M., Bollerslev, J., Amling, M., Barvencik, F. & Delaissé, J.-M., 2012, In: *Journal of Bone and Mineral Research*. 27, 4, p. 770-780

Research output: [Contribution to journal](#) > [Journal article](#) > [Research](#) > [peer-review](#)

The distribution pattern of critically short telomeres in human osteoarthritic knees

Harbo, M., Bendix, L., Jensen, A.-C. B., Graakjaer, J., Søre, K., Levin Andersen, T., Kjærsgaard-Andersen, P., Koelvrå, S. & Delaisse, J.-M., 2012, In: *Arthritis Research & Therapy*. 14, 1, R12.

Research output: Contribution to journal › Journal article › Research › peer-review

Involvement of human endogenous retroviral syncytin-1 in human osteoclast fusion

Søe, K., Levin Andersen, T., Hobolt-Pedersen, A.-S., Bjerregaard, B., Larsson, L.-I. & Delaissé, J.-M., 1. Apr 2011, In: *Bone*. 48, 4, p. 837-46 10 p.

Research output: Contribution to journal › Journal article › Research › peer-review

Glucocorticoids maintain human osteoclasts in the active mode of their resorption cycle

Søe, K. & Delaissé, J.-M., 1. Oct 2010, In: *Journal of Bone and Mineral Research*. 25, 10, p. 2184-92 9 p.

Research output: Contribution to journal › Journal article › Research › peer-review

First-line treatment with bortezomib rapidly stimulates both osteoblast activity and bone matrix deposition in patients with multiple myeloma, and stimulates osteoblast proliferation and differentiation in vitro

Lund, T., Søe, K., Abildgaard, N., Garnero, P., Pedersen, P. T., Ormstrup, T., Delaissé, J.-M. & Plesner, T., 1. Oct 2010, In: *European Journal of Haematology*. 85, 4, p. 290-9 10 p.

Research output: Contribution to journal › Journal article › Research › peer-review

Potential of Resveratrol Analogues as Antagonists of Osteoclasts and Promoters of Osteoblasts

Kupisiewicz, K., Boissy, P., Abdallah, B. M., Hansen, F. D., Erben, R. G., Savouret, J.-F., Søe, K., Levin Andersen, T., Plesner, T. & Delaisse, J.-M., 15. Sept 2010, In: *Calcified Tissue International*. 87, 5, p. 437-449

Research output: Contribution to journal › Journal article › Research › peer-review

Myeloma cell-induced disruption of bone remodelling compartments leads to osteolytic lesions and generation of osteoclast-myeloma hybrid cells

Andersen, T. L., Søe, K., Søndergaard, T. E., Plesner, T. & Delaisse, J.-M., 2010, In: *British Journal of Haematology*. 148, 4, p. 551-561

Research output: Contribution to journal › Journal article › Research › peer-review

A phase II clinical trial does not show that high dose simvastatin has beneficial effect on markers of bone turnover in multiple myeloma

Søndergaard, T. E., Pedersen, P., Levin Andersen, T., Søe, K., Lund, T., Ostergaard, B., Garnero, P., Delaissé, J.-M. & Plesner, T., 31. Jul 2008, In: *Hematological Oncology*.

Research output: Contribution to journal › Journal article › Research › peer-review

Cellular stress triggers the human topoisomerase I damage response independently of DNA damage in a p53 controlled manner

Rockstroh, A., Kleinert, A., Kramer, M., Grosse, F. & Søe, K., 4. Jan 2007, In: *Oncogene*. 26, 1, p. 123-31 9 p.

Research output: Contribution to journal › Journal article › Research › peer-review

Human topoisomerase I forms double cleavage complexes on natural DNA

Søe, K., Hartung, S. & Grosse, F., 13. Oct 2006, In: *Biochemical and Biophysical Research Communications*. 349, 1, p. 178-85 8 p.

Research output: Contribution to journal › Journal article › Research › peer-review

The human topoisomerase I damage response plays a role in apoptosis

Søe, K., Rockstroh, A., Schache, P. & Grosse, F., 1. Apr 2004, In: *DNA Repair*. 3, 4, p. 387-93 7 p.

Research output: Contribution to journal › Journal article › Research › peer-review

p53 stimulates human topoisomerase I activity by modulating its DNA binding

Søe, K. & Grosse, F., 15. Nov 2003, In: *Nucleic Acids Research*. 31, 22, p. 6585-92 8 p.

Research output: Contribution to journal › Journal article › Research › peer-review

Human topoisomerase I cleavage complexes are repaired by a p53-stimulated recombination-like reaction in vitro

Stephan, H., Grosse, F. & Søe, K., 1. Dec 2002, In: *Nucleic Acids Research*. 30, 23, p. 5087-93 7 p.

Research output: Contribution to journal › Journal article › Research › peer-review

The tumor suppressor protein p53 stimulates the formation of the human topoisomerase I double cleavage complex in vitro

Søe, K., Hartmann, H., Schlott, B., Stevnsner, T. & Grosse, F., 26. Sept 2002, In: *Oncogene*. 21, 43, p. 6614-23 10 p.
Research output: Contribution to journal › Journal article › Research › peer-review

A human topoisomerase I cleavage complex is recognized by an additional human topoisomerase I molecule in vitro

Søe, K., Dianov, G., Nasheuer, H. P., Bohr, V. A., Grosse, F. & Stevnsner, T., 1. Aug 2001, In: *Nucleic Acids Research*. 29, 15, p. 3195-203 9 p.
Research output: Contribution to journal › Journal article › Research › peer-review

Research outputs - abstracts (peer reviewed)

Bone resorptive activity of human osteoclasts is altered on bone from Osteogenesis Imperfecta patients and mouse models in vitro

Folkestad, L., Fritzen, M. E., Tauer, J., Olesen, J. B., Winther, V., Duran, I., Komarova, S., Nijhuis, W., Kruse, R., Rogers, K., Sackers, R., Delaissé, J.-M. & Søe, K., May 2022, In: *Bone Reports*. 16, Suppl., p. 39-40 101398.

Differentiation and resorption by osteoclasts derived from peripheral blood of symptomatic and asymptomatic carriers of mutations causing cherubism

Abramovitch Dahan, C., Katchkovsky, S., Bar Droma, E., Søe, K. & Levaot, N., May 2022, In: *Bone Reports*. 16, Suppl., 101508.

Human osteoclasts in vitro are both inhibited and stimulated dose dependently by cannabidiol (CBD) and Δ^9 -tetrahydrocannabinol (THC)

Nielsen, S. S. R., Pedersen, J. A. Z., Sharma, N., Wasehuus, P. K., Marie Julie Møller, A., Søndergaard, T. E. & Søe, K., May 2022, In: *Bone Reports*. 16, Suppl., p. 40-41 101400.

Reduced sensitivity to zoledronic acid of human osteoclasts from smokers in vitro parallels their blood cells' DNA methylation

Tan, Q., Marie Julie Møller, A., Masmoudi, S. E., Madsen, J. S., Bechmann, T., Delaissé, J.-M., Kristensen, B. W., Karasik, D. & Søe, K., May 2022, In: *Bone Reports*. 16, Suppl., p. 2-3 101242.

Development of a disease model for autosomal recessive osteopetrosis and CRISPR/Cas9-based gene therapeutic approaches in human induced pluripotent stem cells

Hennig, F., Rössler, U., Stelzer, N., Kopp, J., Søe, K., Stachelscheid, H. & Kornak, U., Apr 2021, In: *Bone Reports*. 14, Suppl., 1 p., 100766.

Epigenome-wide association study shows that smoking alters DNA methylation in blood cells triggering aggressive bone resorption of osteoclasts in vivo and in vitro

Masmoudi, S. E., Marie Julie Møller, A., Madsen, J. S., Delaissé, J.-M., Kristensen, B. W., Tan, Q. & Søe, K., Apr 2021, In: *Bone Reports*. 14, Supplement, 1 p., 100796.

Gastric inhibitory polypeptide (GIP) decreases bone resorptive activity of human osteoclasts in vitro

Hansen, M. S. S., Søe, K., Gorvin, C. & Frost, M., Apr 2021, In: *Bone Reports*. 14, Suppl., p. 100872 2 p.

Zoledronic acid is not equally potent on osteoclasts generated from different individuals - osteoclasts from smokers are less sensitive

Moller, A. M. J., Delaisse, J.-M., Olesen, J. B., Bechmann, T., Madsen, J. S. & Soe, K., 1. Nov 2020, In: *Journal of Bone and Mineral Research*. 35, Suppl. 1, p. 188 1 p., P-452.

Dual-target effect of tanshinone IIA sulphate on osteoclast-osteoblast activity: A time-lapse study

Panwar, P., Delaisse, J.-M., Soe, K. & Bromme, D., Nov 2020, In: *Journal of Bone and Mineral Research*. 35, Suppl. 1, p. 255 1 p., P-665.

Zoledronic acid is not equally potent on osteoclasts generated from different individuals - osteoclasts from smokers are less sensitive

Møller, A. M. J., Delaissé, J.-M., Bastholm Olesen, J., Bechmann, T., Madsen, J. S., Matos Do Canto Alvim, L., Rogatto, S. R. & Sørensen, K., Oct 2020, In: Bone Reports. 13, Suppl., P121.

Glucagon-like Peptide 1 (GLP-1) Acts Directly On Human Osteoclasts To Increase Differentiation And Bone Resorptive Activity

Hansen, M. S., Sørensen, K., Gorvin, C. & Frost, M., May 2020, In: Journal of the Endocrine Society. 4, Suppl. 1, SUN-347.

Aging and menopause reprogram osteoclast precursors for aggressive bone resorption

Marie Julie Møller, A., Delaissé, J.-M., Madsen, J. S., Canto, L. M. D., Rogatto, S. R. & Sørensen, K., Dec 2019, In: Journal of Bone and Mineral Research. 34, Suppl. 1, p. 52 1 p., 1152.

Human osteoclasts generated from different individuals show a highly variable sensitivity to zoledronic acid *in vitro* - this sensitivity relates to *in vivo* characteristics of each individual

Marie Julie Møller, A., Delaissé, J.-M., Bechmann, T., Madsen, J. S., Marie Volmer, L. & Sørensen, K., Nov 2018, In: Journal of Bone Oncology. 13, p. 41 1 p., P24.

Osteoclasts have two resorption modes that differ with respect to resorption orientation, aggressiveness, molecular characteristics and drug sensitivity

Sørensen, K., Marie Julie Møller, A., Borggaard, X. G., Pirapaharan, D. C. & Delaissé, J.-M., 2017, In: Journal of Bone and Mineral Research. 32, Suppl. 1

Unraveling the molecular determinants of continuous long-term bone resorption by osteoclasts

Borggaard, X. G., Pirapaharan, D. C., Marie Julie Møller, A., Delaissé, J.-M. & Sørensen, K., 2017, In: Journal of Bone and Mineral Research. 32, Suppl. 1, 1 p., MO0550.

A slight inhibition of cathepsin K paradoxically stimulates the resorptive activity of osteoclasts in culture.

Pirapaharan, D. C., Sørensen, K., Panwar, P., Bergmann, M., Schmedes, A. V., Madsen, J. S., Brømme, D. & Delaissé, J.-M., 2016, In: Journal of Bone and Mineral Research. 31, S1, MO0152.

Control of bone resorption by the rate of osteoprogenitor recruitment during bone remodeling

Lassen, N. E., Levin Andersen, T., Sørensen, K., Hauge, E. M., Harving, S., Eser Toft Eschen, G. & Delaissé, J.-M., 2016, In: Journal of Bone and Mineral Research. 31, Suppl. 1, p. 137 SA0161.

Septin 9 – a critical player in osteoclast resorption

Julie Marie Møller, A., Delaissé, J.-M., Füchtbauer, E.-M. & Sørensen, K., 2016, In: Journal of Bone and Mineral Research. 31, S1, MO0161.

Slow and Fast Bone Resorption Modes of Human Osteoclasts Revealed by Time-lapse Recording

Sørensen, K. & Delaissé, J.-M., 2016, In: Journal of Bone and Mineral Research. 31, S1, SU0163.

Ectosteric inhibitors of cathepsin K prevent bone resorption

Panwar, P., Sørensen, K., Law, S., Delaissé, J.-M. & Brømme, D., 2015, In: Journal of Bone and Mineral Research. 30, Suppl. 1, SU0341.

Pit And Trench Forming Osteoclasts: a Distinction That Matters?

Merrild, D. M. H., Pirapaharan, D. C., Andreasen, C. M., Kjærsgaard-Andersen, P., Ding, M., Delaissé, J.-M. & Sørensen, K., 2015, In: Journal of Bone and Mineral Research. 30, Suppl. 1, MO0217.

A novel approach to inhibit bone resorption: Ectosteric inhibitors against cathepsin K

Panwar, P., Sørensen, K., Cui, H., Du, X., Delaissé, J.-M. & Brømme, D., 2014, In: Journal of Bone and Mineral Research. 29, S1, 1 p., FR0408.

The elementary fusion modalities of osteoclasts

Søe, K., Hobolt-Pedersen, A.-S. & Delaissé, J.-M., 2014, In: Journal of Bone and Mineral Research. 29, S1, MO0258.

Does collagen trigger migration of reversal cells into vacated bone resorption lacunae?

Abdelgawad, M. E., Søe, K., Engelholm, L. H., Kjærsgaard-Andersen, P., Behrendt, N. & Delaissé, J.-M., 2012, In: Journal of Bone and Mineral Research. 27, Suppl. 1, p. 172 1 p.

Bone quality is negatively affected by glucocorticoid-induced changes in the geometry of osteoclast resorption cavities

Vanderoost, J., Søe, K., Merrild, D. M. H., Delaissé, J.-M. & van Lenthe, G.-H., 2011, In: Journal of Bone and Mineral Research. 26, suppl. 1, p. 356

Collagen puts the brake on osteoclastic bone resorption

Søe, K., Merrild, D. M. H. & Delaissé, J.-M., 2011, In: Bone. 48, suppl. 2, p. 132

Comparison of zoledronic acid retention in bone of multiple myeloma and breast cancer patients: consequences for efficacy?

Søe, K., Plesner, T., Jakobsen, E. & Jørgensen, H., 2010, In: Journal of Clinical Oncology. 28, suppl, p. TPS137

The proteasome inhibitor bortezomib overcomes the inhibition of osteoblast function observed in multiple myeloma

Lund, T., Søe, K., Abildgaard, N., Garnero, P., Pedersen, P., Ormstrup, T., Delaissé, J.-M. & Plesner, T., 2010, In: Bone. 47, suppl. 2, p. s304 1 p.

Glucocorticoids act directly on osteoclasts and maintain them in the active mode of the resorption cycle: an explanation for immediate bone fragilization after glucocorticoid treatment

Søe, K. & Delaissé, J.-M., 2009, In: Journal of Bone and Mineral Research. suppl1

Syncytin1 is involved in osteoclast fusion

Søe, K., Bjerregaard, B., Larsson, L.-I. & Delaissé, J.-M., 2009, In: Bone. S332

Uncoupling of bone resorption and bone formation correlates with disruption of the bone remodeling compartment: A study in cushings patients

Jensen, P. R., Levin Andersen, T., Søe, K., Hauge, E., Bollerslev, J. & Delaissé, J.-M., 2009, In: Journal of Bone and Mineral Research. suppl1

Biological prerequisites for heterotypic fusion between myeloma cells and osteoclasts

Kupisiewicz, K., Søe, K., Levin Andersen, T., Søndergaard, T. E., Plesner, T. & Delaissé, J.-M., 2008, In: Cancer Treatment Reviews. 34

Chondrocyte telomere length decreases as the level of cartilage degeneration in human osteoarthritic knees increases

Harbo, M., Bendix, L., Jensen, A.-C. B., Graakjær, J., Søe, K., Kølvrå, S. & Delaissé, J.-M., 2008, In: Osteoarthritis and Cartilage.

Glucocorticoids Attenuate the Stimulatory Effect on Bone Formation by Bortezomib

Lund, T., Søe, K., Abildgaard, N., Garnero, P., Pedersen, P., Delaissé, J.-M. & Plesner, T., 2008, In: Blood. p. 5183

Myeloma cell-induced collapse of the vascular bone remodeling compartments leads to osteolysis and the generation of osteoclast-myeloma hybrid cells

Levin Andersen, T., Søe, K., Søndergaard, T. E., Kupisiewicz, K., Plesner, T. & Delaissé, J.-M., 2008, In: Calcified Tissue International. 82, 1, p. 48

Osteolysis and the generation of osteoclast-myeloma hybrid cells are related to the myeloma cell-induced collapse of the Vascular Bone Remodeling Compartments

Levin Andersen, T., Søe, K., Søndergaard, T. E., Kupisiewicz, K., Plesner, T. & Delaissé, J.-M., 2008, In: Cancer Treatment Reviews. 34, Suppl. 1, p. S55 1 p., OC14.

P28. Biological prerequisites for heterotypic fusion between myeloma cells and osteoclasts

Kupisiewicz, K., Soe, K., Andersen, T. L., Soendergaard, T. E., Lund, T., Plesner, T. & Delaïssé, J.-M., 2008, In: Cancer Treatment Reviews. 34, Suppl. 1, p. 23-24

Proteasome Inhibition Counteracts the Negative Effect of Glucocorticoid Treatment on Bone Metabolism by Stimulating Osteoblasts and Inhibiting Osteoclasts in Vitro

Søe, K., Levin Andersen, T., Lund, T., Plesner, T. & Delaïssé, J.-M., 2008, In: Journal of Bone and Mineral Research. 23, s178

Proteasome inhibition enhances anti-myeloma and anti-osteoclastic effects of glucocorticoids and weakens the anti-osteoblastic effects

Søe, K., Levin Andersen, T., Plesner, T. & Delaïssé, J.-M., 2008, In: Cancer Treatment Reviews. 34, Suppl. 1, p. 13-13 1 p., P2.

Proteasome inhibition protects osteoblasts from glucocorticoid-induced damage, and enhances glucocorticoid-induced toxicity against osteoclasts

Søe, K., Levin Andersen, T., Plesner, T. & Delaïssé, J.-M., 2008, In: Bone. 42, Supplement 1, p. S30-S31

The bone degradation marker CTX shows unique properties in disease monitoring compared to NTX, ICTP and bALP in multiple myeloma

Lund, T., Delaïssé, J.-M., Abildgaard, N., Kupisiewicz, K., Levin Andersen, T., Søe, K. & Plesner, T., 2008, In: Journal of Bone and Mineral Research. 23, s444

Activities

Danish Society for Matrix Biology (External organisation)

Søe, K. (Member)

8. Dec 2020

Activity: Membership › Board duties in companies, associations, or public organisations

Danish Society of Matrix Biology (External organisation)

Søe, K. (Member)

2020 → ...

Activity: Membership › Board duties in companies, associations, or public organisations

Danish Bone Society (External organisation)

Søe, K. (Member)

1. May 2019 → ...

Activity: Membership › Board duties in companies, associations, or public organisations

EU COST action CA18139 (External organisation)

Søe, K. (Member)

1. May 2019 → 30. Apr 2023

Activity: Membership › Board duties in companies, associations, or public organisations

EU COST action CA18139 (External organisation)

Søe, K. (Coordinator)

1. May 2019 → 30. Apr 2023

Activity: Membership › Membership of review committee

American Society for Bone and Mineral Research (External organisation)

Søe, K. (Member)

29. Apr 2019 → 10. May 2019

Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

European Calcified Tissue Society (External organisation)

Søe, K. (Member)

Jan 2019 → Feb 2019

Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

The Wellcome Trust/DBT India Alliance (External organisation)

Søe, K. (Member)

Aug 2018

Activity: Membership › Membership of review committee

Aalborg University (External organisation)

Søe, K. (Member)

Aug 2017

Activity: Membership › Membership of review committee

PhD Assessment Committee regarding the thesis presented by Martin H. Pedersen, "Identification and targeting of cancer stem cells in breast cancer", (Event)

Søe, K. (Chairman (Appointed by SDU))

24. Apr 2017

Activity: Membership › Membership of review committee

Activities - Oral presentations

Insights on osteoporosis – from research to teaching

Søe, K. (Guest lecturer)

20. Mar 2024

Activity: Talks and presentations › Conference presentations

Osteoclast heterogeneity in human aging and disease - Impacts on Clinical Care

Søe, K. (Lecturer)

15. Feb 2024

Activity: Talks and presentations › Talks and presentations in private or public companies

What can we learn from experiments with human osteoclasts in the laboratory?

Søe, K. (Guest lecturer)

25. Oct 2023

Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Epigenetics and its effect on our sensitivity to zoledronate

Søe, K. (Lecturer)

12. May 2023

Activity: Talks and presentations › Talks and presentations in private or public companies

Osteoclast heterogeneity in human ageing and disease

Søe, K. (Keynote speaker)

27. Apr 2023

Activity: Talks and presentations › Talks and presentations in private or public companies

Cancer metastasis to bone

Søe, K. (Keynote speaker)

20. Apr 2023

Activity: Talks and presentations › Talks and presentations in private or public companies

Osteoclast heterogeneity in human ageing and disease

Søe, K. (Lecturer)

14. Apr 2023

Activity: Talks and presentations › Conference presentations

(Epi)Genomics of Human Osteoclast Differentiation and Resorption

Søe, K. (Guest lecturer)

22. Mar 2023

Activity: Talks and presentations › Talks and presentations in private or public companies

Osteoclast heterogeneity in human ageing and disease - impacts on Clinical Care

Søe, K. (Lecturer)

14. Mar 2023

Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

The Osteoclast

Søe, K. (Guest lecturer)

24. Oct 2022

Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

New concepts of osteoclastogenesis

Søe, K. (Keynote speaker)

4. Oct 2022

Activity: Talks and presentations › Conference presentations

Osteoclast activity: pits versus trenches

Søe, K. (Lecturer)

9. May 2022

Activity: Talks and presentations › Conference presentations

Reduced sensitivity to zoledronic acid of human osteoclasts from smokers in vitro parallels their blood cells' DNA methylation

Søe, K. (Lecturer)

8. May 2022

Activity: Talks and presentations › Conference presentations

Heterogeneity of human osteoclasts - from a cellular to a patient perspective - Zoledronic acid

Søe, K. (Lecturer)

7. Apr 2022

Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Heterogeneity of human osteoclasts - from a cellular to a patient perspective - Zoledronic acid

Søe, K. (Lecturer)

5. Apr 2022

Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Heterogeneity of human osteoclasts - from a cellular to a patient perspective - Zoledronic acid

Søe, K. (Lecturer)

3. Apr 2022

Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

To fuse or not to fuse - the osteoclast as a unique model for cell biology

Søe, K. (Lecturer)

1. Nov 2021

Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Different "personalities" of human osteoclasts – from a clinical, translational, and basic perspective

Søe, K. (Guest lecturer)

25. Aug 2021

Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

"To fuse or not to fuse" the osteoclast as a unique model for cell biology

Søe, K. (Lecturer)

20. May 2021

Activity: Talks and presentations › Conference presentations

Bone Cells (Osteoclasts) and Sex Steroids - a different take on a classical story

Søe, K. (Lecturer)

8. Apr 2021

Activity: Talks and presentations › Conference presentations

Different "personalities" of human osteoclasts during fusion and bone resorption

Søe, K. (Lecturer)

15. Mar 2021

Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

CBD and THC dose-dependently both stimulate and inhibit human osteoclasts in vitro

Søe, K. (Lecturer)

6. Feb 2021

Activity: Talks and presentations › Conference presentations

EWAS shows that smoking alters DNA methylation in blood cells triggering aggressive bone resorption of osteoclasts in vivo and in vitro

Søe, K. (Lecturer)

6. Feb 2021

Activity: Talks and presentations › Conference presentations

In vitro studies of bone cells

Søe, K. (Lecturer)

1. Feb 2020

Activity: Talks and presentations › Conference presentations

Prostatakræft og knoglemetastaser

Søe, K. (Lecturer)

1. Nov 2019

Activity: Talks and presentations › Talks and presentations in private or public companies

Different "personalities" of human osteoclasts – from a clinical, translational, and basic perspective

Søe, K. (Lecturer)

25. Oct 2019

Activity: Talks and presentations › Talks and presentations in private or public companies

The different "personalities" of human osteoclasts - the bone resorbing cell

Søe, K. (Speaker)

19. Oct 2018

Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Influence of Aging on Osteoclasts

Søe, K. (Speaker)

10. Jun 2018

Activity: Talks and presentations › Conference presentations

Prostate cancer: Can bone biomarkers be used for diagnostics and monitoring?

Søe, K. (Lecturer)

23. Apr 2018

Activity: Talks and presentations › Conference presentations

Breast cancer and bone

Søe, K. (Speaker)

4. Feb 2018

Activity: Talks and presentations › Conference presentations

Influence of aging on osteoclasts

Søe, K. (Speaker)

3. Feb 2018

Activity: Talks and presentations › Conference presentations

Joint meeting of the Australian & New Zealand Bone and Mineral Society International

Søe, K. (Speaker)

20. Jun 2017

Activity: Talks and presentations › Conference presentations

Åben forskerdag

Søe, K. (Speaker)

26. Apr 2017

Activity: Talks and presentations › Conference presentations

"Kræft og Knogleskørhed".

Søe, K. (Lecturer)

2. Nov 2016

Activity: Talks and presentations › Talks and presentations in private or public companies

"Pit- and trench-forming osteoclasts: a distinction that matters".

Søe, K. (Lecturer)

16. Feb 2016

Activity: Talks and presentations › Conference presentations

Bone resorption occurs through two different modes: a fast and aggressive versus a slow more subtle resorption mode – a study based on time-lapse recordings of resorbing human osteoclasts

Søe, K. (Lecturer)

2016

Activity: Talks and presentations › Conference presentations

Can treatment of bone disease in breast cancer patients with bone metastases be patient tailored? First step on the way.

Søe, K. (Lecturer)

29. Apr 2015

Activity: Talks and presentations › Conference presentations

Retention and action of zoledronate (Zometa) in multiple myeloma and breast cancer patients with metastasis to bone

Søe, K. (Lecturer)

26. Apr 2012

Activity: Talks and presentations › Conference presentations

Glucocorticoid-induced Changes in the Geometry of Osteoclast Resorption Cavities are Sufficient to Alter Bone Quality: An assessment through a model simulating bone stiffness

Søe, K. (Lecturer)

28. Apr 2011

Activity: Talks and presentations › Conference presentations

Information and up-date on CZOL446EDK01T

Søe, K. (Lecturer)

31. Aug 2010

Activity: Talks and presentations › Talks and presentations in private or public companies

Collagen is part of a negative feed-back loop to regulate osteoclast resorption

Søe, K. (Lecturer)

29. Apr 2010

Activity: Talks and presentations › Conference presentations

Syncytin 1 is involved in osteoclast fusion

Søe, K. (Speaker)

8. Oct 2009 → 11. Oct 2009

Activity: Talks and presentations › Conference presentations

Glucocorticoids alter the osteoclast resorption mode

Søe, K. (Speaker)

23. Aug 2009 → 26. Aug 2009

Activity: Talks and presentations › Conference presentations

Glucocorticoids act directly on osteoclast and maintain them in the active mode of the resorption cycle:: an explanation for the immediate bone fragilization after glucocorticoid treatment

Søe, K. (Speaker)

30. Apr 2009

Activity: Talks and presentations › Conference presentations

Bortemizob protects osteoblasts from glucocorticoid-induced damage, and enhances glucocorticoid-induced toxicity against osteoclasts and myeloma cells

Søe, K. (Speaker)

10. Oct 2007

Activity: Talks and presentations › Conference presentations

Bortezomib protects osteoblasts from glucocorticoid-induced damage, and enhances glucocorticoid-induced toxicity against osteoclasts and myeloma cells

Søe, K. (Lecturer)

10. Oct 2007

Activity: Talks and presentations › Conference presentations

Press / Media

Tidligere praktikant Thomas vender tilbage til ingeniørvirksomhed

Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)

02/01/2024

Media contribution (1)

Tidligere praktikant Thomas vender tilbage til ingeniørvirksomhed

02/01/2024

Fyens Stiftstidende, Print

Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)

Tidligere praktikant Thomas vender tilbage til ingeniørvirksomhed: Se her, hvem der ellers har skiftet job på Fyn

Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)

23/12/2023

Media contribution (1)

Tidligere praktikant Thomas vender tilbage til ingeniørvirksomhed: Se her, hvem der ellers har skiftet job på Fyn

23/12/2023

Fyens, Web

Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)

Tidligere praktikant Thomas vender tilbage til ingeniørvirksomhed: Se her, hvem der ellers har skiftet job på Fyn
Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)
23/12/2023

Media contribution (1)

Tidligere praktikant Thomas vender tilbage til ingeniørvirksomhed: Se her, hvem der ellers har skiftet job på Fyn
23/12/2023

Fyns Amts Avis, Web

Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)

SDU og OUH ansætter ny professor i cellebiologi og knoglepatologi

Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)

14/12/2023

Media contribution (1)

SDU og OUH ansætter ny professor i cellebiologi og knoglepatologi

14/12/2023

Sundhedsmonitor, Web

Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)

Ny professor sætter fokus på knogleskørhed, bryst- og prostatakræft

Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)

13/12/2023

Media contribution (1)

Ny professor sætter fokus på knogleskørhed, bryst- og prostatakræft

13/12/2023

Dagens Medicin, Web

Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)

Professor med fokus på knogleskørhed, bryst- og prostatakræft

Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)

12/12/2023

Media contribution (1)

Professor med fokus på knogleskørhed, bryst- og prostatakræft

12/12/2023

Via Ritzau, Web

Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)

PRM / Professor med fokus på knogleskørhed, bryst- og prostatakræft

Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)

12/12/2023

Media contribution (1)

PRM / Professor med fokus på knogleskørhed, bryst- og prostatakræft

12/12/2023

Ritzau, Print

Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)

Professor med fokus på knogleskørhed, bryst- og prostatakræft

Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)

11/12/2023

Media contribution (1)

Professor med fokus på knogleskørhed, bryst- og prostatakræft

11/12/2023

Syddansk Universitet, Web

Søe, K., Department of Clinical Research, KI, OUH, Research unit of Pathology (Odense)

Om mulighed for at forudsige skøre knogler senere i livet

Søe, K., KI, OUH, Research unit of Pathology (Odense)
02/11/2021

Media contribution (1)

Om mulighed for at forudsige skøre knogler senere i livet
02/11/2021

Osteoporoseforeningen, Denmark

<https://www.osteoporose-f.dk/nyheder/om-mulighed-for-at-forudsige-skoere-knogler-senere-i-livet/>

Søe, K. (Research cited), KI, OUH, Research unit of Pathology (Odense)

PRM / Kan vi forudsige, om du får skøre knogler senere i livet?

Søe, K., KI, OUH, Research unit of Pathology (Odense)
17/09/2021

Media contribution (1)

PRM / Kan vi forudsige, om du får skøre knogler senere i livet?
17/09/2021

Ritzau, Print

Søe, K., KI, OUH, Research unit of Pathology (Odense)

Kan vi forudsige, om du får skøre knogler senere i livet?

Søe, K., KI, OUH, Research unit of Pathology (Odense)
17/09/2021

Media contribution (1)

Kan vi forudsige, om du får skøre knogler senere i livet?
17/09/2021

Via Ritzau, Web

Søe, K., KI, OUH, Research unit of Pathology (Odense)

Kan vi forudsige, om du får skøre knogler senere i livet?

Søe, K., KI, OUH, Research unit of Pathology (Odense)
16/09/2021

Media contribution (1)

Kan vi forudsige, om du får skøre knogler senere i livet?
16/09/2021

Syddansk Universitet, Web

Søe, K., KI, OUH, Research unit of Pathology (Odense)

Podcast - Interview about research activities

Søe, K., KI, OUH, Research unit of Pathology (Odense)
15/05/2019

Media contribution (1)

Podcast - interview on research

15/05/2019

Portugal, Podcast

i3S

25 minutter

<https://podcasts.apple.com/pt/podcast/kent-s%C3%B8e-i3s-library-talks-ep-3/id1454830238?i=1000438147071&l=en>

Interview i forbindelse med besøg på University of Porto, Portugal. Selve interviewet starter efter en 1½ minut introduktion på portuguisisk.

Søe, K. (Research cited), KI, OUH, Research unit of Pathology (Odense)

Blodprøver skal hjælpe kræftpatienter til bedre liv

Søe, K., IRS - Lillebælt Hospital

14/01/2016

Media coverage (1)

Blodprøver skal hjælpe kræftpatienter til bedre liv

14/01/2016

Danmarks Radio, Radio

Annette Jespersen

www.dr.dk

<http://www.dr.dk/nyheder/regionale/trekanten/blodproever-skal-hjaelpe-kræftpatienter-til-bedre-liv>

Søe, K. (Research cited), IRS - Lillebælt Hospital

P4 Morgen: Nyt forsøg kan give brystkræftpatienter med knoglemetastaser skræddersyet behandling

Søe, K., IRS - Lillebælt Hospital

14/01/2016

IRS - Lillebælt Hospital, Research Unit of Clinical Pathology (Vejle)

Media contribution (1)

14/01/2016

Radio

Søe, K. (Research cited), IRS - Lillebælt Hospital

IRS - Lillebælt Hospital, Research Unit of Clinical Pathology (Vejle)

P4 Morgen: Nyt forsøg kan give brystkræftpatienter med knoglemetastaser skræddersyet behandling

Søe, K., IRS - Lillebælt Hospital

14/01/2016

Media contribution (1)

14/01/2016

P4 Trekanten, Radio

5 minutter

Søe, K. (Research cited), IRS - Lillebælt Hospital

Awards & Grants

Excellence in Research Award

Søe, K. (Recipient), 9. May 2022

National Institutes of Health, NIAMS, USA - total grant of 13,000,000 kr - personal grant 4,000,000 kr

Søe, K. (Recipient), Feb 2021

Region of Southern Denmark & Region of Zealand Common Fund - 175,000 kr

Søe, K. (Recipient), 2020

Region of Southern Denmark Research Fund - 400,000 kr

Søe, K. (Recipient), 2020

OUH Research Foundation - 258.000 kr

Søe, K. (Recipient), 29. Nov 2019

Region of Southern Denmark Research Foundation - 325,000 kr

Søe, K. (Recipient), May 2019

Harboe Foundation - 87,526 kr

Søe, K. (Recipient), 11. Apr 2019

Region of Southern Denmark Research Foundation - 380,000 kr

Søe, K. (Recipient), 29. Jan 2019

Beckett- Foundation - 100,000 kr
Søe, K. (Recipient), 24. Jan 2019

OAH's Research Foundation - 100,000 kr
Søe, K. (Recipient), 5. Dec 2018

Open Access Foundation, University Library of Southern Denmark - 10,000 kr
Søe, K. (Recipient), 7. Aug 2018

Region of Southern Denmark Research Foundation - 503,077 kr
Søe, K. (Recipient), 26. Jun 2018

SLBs Research Council - 100,000 kr
Søe, K. (Recipient), 13. Dec 2017

Aase og Ejnar Danielsen Foudation - 100,000 kr
Marie Julie Møller, A. (Recipient) & Søe, K. (Recipient), 2017

Beckett-Fonden - 100.000 kr
Søe, K. (Recipient), 2017

Harboefonden - 40.000 kr
Søe, K. (Recipient), 2017

Harboefonden - 50.000 kr
Søe, K. (Recipient), 2017

Lillebælt Research Council - PhD scholarship - 500,000 kr
Marie Julie Møller, A. (Recipient) & Søe, K. (Recipient), 2017

Astrid Thaysens Legat for Lægevidenskabelig Grundforskning - 25.000 kr
Marie Julie Møller, A. (Recipient) & Søe, K. (Recipient), 2016

Lillebælt Hospital Research Council - 100,000 kr
Søe, K. (Recipient), 2016

Open Access Foundation, University Library of Southern Denmark - 29,500 kr
Søe, K. (Recipient), 2016

Region of Southern Denmark Research Foundation - 585,000 kr
Søe, K. (Recipient), 2015

Region of Southern Denmark Research Foundation - 752,000 kr
Delaissé, J.-M. (Recipient) & Søe, K. (Recipient), Oct 2013

Region of Southern Denmark Research Foundation - 440,000 kr
Delaissé, J.-M. (Recipient), Levin Andersen, T. (Recipient) & Søe, K. (Recipient), 2011

Region of Southern Denmark Research Foundation - 600,000 kr
Delaissé, J.-M. (Recipient), Levin Andersen, T. (Recipient) & Søe, K. (Recipient), 2010

Region of Southern Denmark Research Foundation - 981,000 kr

Delaissé, J.-M. (Recipient), Levin Andersen, T. (Recipient) & Søre, K. (Recipient), 2009

Aase and Ejnar Danielsen's Foundation - 218,000 kr

Delaissé, J.-M. (Recipient) & Søre, K. (Recipient), 2008

Independent Research Fund Denmark - Medical Sciences - 824,800 kr

Delaissé, J.-M. (Recipient), Levin Andersen, T. (Recipient) & Søre, K. (Recipient), 2008

Region of Southern Denmark Research Foundation - 500,000 kr

Delaissé, J.-M. (Recipient), Levin Andersen, T. (Recipient) & Søre, K. (Recipient), 2008

Research collaboration with Novartis - 243,000

Søre, K. (Recipient), 2008

German Research Council - 150,000 €

Grosse, F. (Recipient) & Søre, K. (Recipient), 2002

Peer-reviewer - from 2018 to present - Publons id: publons.com/a/1189746/

Biomaterials (Journal)

Søre, K. (Peer reviewer)

26. Jan 2020

Acta Biomaterialia (Journal)

Søre, K. (Peer reviewer)

2. Dec 2019

Bone (Journal)

Søre, K. (Peer reviewer)

1. Aug 2019

Journal of Cellular Physiology (Journal)

Søre, K. (Peer reviewer)

1. Aug 2019

Frontiers in Bioengineering and Biotechnology (Journal)

Søre, K. (Peer reviewer)

11. Jul 2019

Antioxidants (Journal)

Søre, K. (Peer reviewer)

5. Jul 2019

Nutrients (Journal)

Søre, K. (Peer reviewer)

3. Jun 2019

Nutrients (Journal)

Søre, K. (Peer reviewer)

20. May 2019

Nutrients (Journal)

Søe, K. (Peer reviewer)
15. May 2019

Nutrients (Journal)

Søe, K. (Peer reviewer)
26. Apr 2019

Bone (Journal)

Søe, K. (Peer reviewer)
12. Mar 2019

Bone (Journal)

Søe, K. (Peer reviewer)
11. Feb 2019

Bone (Journal)

Søe, K. (Peer reviewer)
19. Jan 2019

Bone Reports (Journal)

Søe, K. (Peer reviewer)
13. Jan 2019

Basic & Clinical Pharmacology & Toxicology (Journal)

Søe, K. (Peer reviewer)
6. Jan 2019

Journal of Cellular Physiology (Journal)

Søe, K. (Peer reviewer)
29. Dec 2018

Bone Reports (Journal)

Søe, K. (Peer reviewer)
12. Nov 2018

Archives of Oral Biology (Journal)

Søe, K. (Peer reviewer)
7. Sept 2018

Bone Reports (Journal)

Søe, K. (Peer reviewer)
29. Aug 2018

Nutrients (Journal)

Søe, K. (Peer reviewer)
27. Aug 2018

Nutrients (Journal)

Søe, K. (Peer reviewer)
16. Aug 2018

Cellular and Molecular Life Sciences (Journal)

Søe, K. (Peer reviewer)
19. Jul 2018

Cellular and Molecular Life Sciences (Journal)

Søe, K. (Peer reviewer)
9. Jul 2018

Nutrients (Journal)

Søe, K. (Peer reviewer)
9. Jul 2018

Nutrients (Journal)

Søe, K. (Peer reviewer)
5. Jul 2018

Nutrients (Journal)

Søe, K. (Peer reviewer)
6. Jun 2018

Nutrients (Journal)

Søe, K. (Peer reviewer)
14. May 2018

Cellular and Molecular Life Sciences (Journal)

Søe, K. (Peer reviewer)
26. Apr 2018

International Journal of Molecular Sciences (Journal)

Søe, K. (Peer reviewer)
16. Mar 2018

Basic & Clinical Pharmacology & Toxicology (Journal)

Søe, K. (Peer reviewer)
7. Mar 2018

International Journal of Molecular Sciences (Journal)

Søe, K. (Peer reviewer)
6. Mar 2018

Cellular Physiology and Biochemistry (Journal)

Søe, K. (Peer reviewer)
8. Feb 2018

Basic & Clinical Pharmacology & Toxicology (Journal)

Søe, K. (Peer reviewer)
26. Jan 2018

Cellular Physiology and Biochemistry (Journal)

Søe, K. (Peer reviewer)
Dec 2017 → ...

BioFactors (Journal)

Søe, K. (Peer reviewer)
2014 → ...

Drug Design, Development and Therapy (Journal)

Søe, K. (Peer reviewer)

2014 → ...

Osteoporosis International (Journal)

Søe, K. (Peer reviewer)

2014 → ...

OMICS Journal of Radiology (Journal)

Søe, K. (Peer reviewer)

2013 → ...

Bone (Journal)

Søe, K. (Peer reviewer)

2010 → ...