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Born: 12th June 1978

Present position

Education

Employment history

Scientific supervision

Co-supervision of phd-students (2), 2019-
Co-supervision of graduate/medical students (12), 2014-

Awards and Reviews

Silver Award at EFORT Free Paper Award Orthopaedics 2019
Travel award: The International Federation of Musculoskeletal Research Societies 2019
Best oral poster, 1st Danish Bone Research Workshop, Sandbjerg Denmark 2018

Reviewer of: Journal of Bone and Mineral Research, Journal of Tissue Engineering and Regenerative Medicine, Journal of Orthopedic Research, Biomedical Research and Osteoporosis International, Biomedical Materials, International Immunopharmacology.

Grants

Aase & Ejnar Danielsens Foundation 2019, DKK 200.000 (PI) Velux Foundation 2018, DKK 4.888.498 (co-PI), Odense University Hospital Free Research Fund, 2018, DKK 296.000 (PI)
Region of Southern Denmark Research Grants 2018, DKK 599.000 (co-PI) Aase & Ejnar Danielsens Foundation 2015, DKK 200.000 (PI)
Region of Southern Denmark Research Grants 2015, DKK 875.00 (co-PI)
Odense University Hospital Free Research Fund, 2015, DKK 125.000 (PI)
A. P. Moeller Foundation for the Advancement of Medical Science 2015, DKK 35.000 (PI)
Odense University Hospital Free Research Fund, 2014, DKK 472.000 (PI)

International relations

(1) Mariana Kersh, Illinois University; (2) Pascale Chavassieux, INSERM, Lyon University; (3) Karl Jepsen & Erin Bigelow, The University of Michigan; (3) Pascal Buenzli, Queensland University of Technology, Brisbane; (4) Rick Sumner & Ryan Ross, Rush University Medical Center, (5) Venu Kavarthapu & Nina Petrova, King's College Hospital, London, (6) Julia Charles, Brigham and Woman's Hospital, Harvard Medical School, USA; (7) Cyril Thouverey, University Hospital of Geneva, Switzerland.

Teaching responsibilities

Welfare Technology, Physiology, Department of Molecular Medicine, 2019-
Welfare Technology, 'Funktionel Anatomi – Når mennesker og Teknologi mødes', Department of Clinical Research, 2018-
Medicine, Bachelor, 'Fra Celle til Individ', Department of Molecular Medicine, 2015-
Intro-PhD course, Department of Regional Health Research, 2014
Administrator of PhD Club, Department of Clinical Research, 2012-2015

Publikationer

Frost M, Rahbek ET, Ejersted C, Høilund-Carlsen PF, Bygum A, Thomsen JS o.a. **Modeling-based bone formation transforms trabeculae to cortical bone in the sclerotic areas in Buschke-Ollendorff syndrome. A case study of two females with LEMD3 variants.** Bone. 2020 mar 6;135. 115313. <https://doi.org/10.1016/j.bone.2020.115313>

Ross RD, Anderson K, Davison R, El-Masri BM, Andreasen CM, Levin Andersen T o.a. **Osteoporosis Treatments Affect Bone Matrix Maturation in a Rat Model of Induced Cortical Remodeling.** JBMR Plus. 2020 jan 23. <https://doi.org/10.1002/jbm4.10344>

Andreasen CM, Bakalova LP, Brüel A, Hauge EM, Kiil BJ, Delaisse J-M o.a. **The generation of enlarged eroded pores upon existing intracortical canals is a major contributor to endocortical trabecularization.** Bone. 2020 jan;130. 115127. <https://doi.org/10.1016/j.bone.2019.115127>

Frost M, Tencerova M, Andreasen CM, Levin Andersen T, Ejersted CA, Svaneby D o.a. **Absence of an osteopetrosis phenotype in IKBKG (NEMO) mutation-positive women: A case-control study.** Bone. 2019 apr;121:243-254. <https://doi.org/10.1016/j.bone.2019.01.014>

Peteva Bakalova L, Andreasen CM, Thomsen JS, Brüel A, Hauge EM, Kiil BJ o.a. **Intracortical Bone Mechanics Are Related to Pore Morphology and Remodeling in Human Bone.** Journal of Bone and Mineral Research. 2018 dec;33(12):2177-2185. <https://doi.org/10.1002/jbmr.3561>

Andreasen CM, Delaissé J-M, van der Eerden BCJ, van Leeuwen JPTM, Ding M, Levin Andersen T. **Understanding age-induced cortical porosity in women: Is a negative BMU balance in quiescent osteons a major contributor?** Bone. 2018 dec;117:70-82. <https://doi.org/10.1016/j.bone.2018.09.011>

Andreasen CM, Delaisse J-M, van der Eerden BCJ, van Leeuwen JPTM, Ding M, Andersen TL. **Understanding age-induced cortical porosity in women: The accumulation and coalescence of eroded cavities upon existing intracortical canals is the main contributor.** Journal of Bone and Mineral Research. 2018 apr;33(4):606-620. <https://doi.org/10.1002/jbmr.3354>

Andreasen CM, Ding M, Andersen TL, Overgaard S. **Effects of substitute coated with hyaluronic acid or poly-lactic acid on implant fixation. Experimental study in ovariectomized and glucocorticoid treated sheep.** Journal of Tissue Engineering and Regenerative Medicine. 2018 feb;12(2):e1122-e1130. <https://doi.org/10.1002/term.2447>

Andreasen CM, Snoek Henriksen S, Ding M, Theilgaard N, Levin Andersen T, Overgaard S. **The efficacy of poly-D,L-lactic acid- and hyaluronic acid-coated bone substitutes on implant fixation in sheep.** Journal of Orthopaedic Translation. 2017 jan;8:12-19. <https://doi.org/10.1016/j.jot.2016.07.002>

Kjærgaard K, Dreyer CH, Ditzel N, Andreasen CM, Chen L, Sheikh SP o.a. **Bone Formation by Sheep Stem Cells in an Ectopic Mouse Model: Comparison of Adipose and Bone Marrow Derived Cells and Identification of Donor-Derived Bone by Antibody Staining.** Stem Cells International. 2016;2016:1-10. 3846971. <https://doi.org/10.1155/2016/3846971>

Andreasen CM, Ding M, Overgaard S, Bollen P, Levin Andersen T. **A reversal phase arrest uncoupling the bone formation and resorption contributes to the bone loss in glucocorticoid treated ovariectomised aged sheep.** Bone. 2015;75:32-39. <https://doi.org/10.1016/j.bone.2015.02.014>

Ding M, Andreasen CM, Dencker ML, Jensen AE, Theilgaard N, Overgaard S. **Efficacy of a small cell-binding peptide coated hydroxyapatite substitute on bone formation and implant fixation in sheep.** Journal of Biomedical Materials Research. Part A. 2015;103(4):1357-1365. <https://doi.org/10.1002/jbm.a.35281>

Merrild DMH, Pirapaharan DC, Andreasen CM, Kjærsgaard-Andersen P, Julie Marie Møller A, Ding M o.a. **Pit- and trenchforming osteoclasts: a distinction that matters.** Bone Research. 2015;3. 15032. <https://doi.org/10.1038/boneres.2015.32>

Wrzesinski K, Magnone MC, Hansen LV, Ehrhorn Kruse M, Bergauer T, Bobadilla M o.a. **HepG2/C3A 3D spheroids exhibit stable physiological functionality for at least 24 days after recovering from trypsinisation.** Toxicology Research. 2013 maj;2(3):163-172. <https://doi.org/10.1039/c3tx20086h>

