

Curriculum Vitae

Thomas Levin Geiser Andersen

Professor

Dept. of Clinical Research, University of Southern Denmark (SDU),

Dept. of Pathology, Odense University Hospital (OUH),

Dept. of Forensic Medicine, Aarhus University (AU)



● Educational Background & Professional Experience

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| 2024–Present | Professor, Head of Molecular Bone Histology (MBH) lab & Danish Spatial Imaging Consortium (DanSIC) infrastructure, Pathology Research Unit, Dept. of Clinical Research at SDU, Dept. of Clinical Pathology at OUH, Dept. of Forensic Medicine at AU, Denmark |
| 2019–2024 | Associate professor, Head of MBH lab & DanSIC, Pathology Research Unit, Dept. of Clinical Research at SDU, Dept. of Clinical Pathology at OUH, Dept. of Forensic Medicine at AU, Denmark |
| 2014–2018 | Associate Professor, Clinical Cell Biology, Lillebaelt Hospital & Institute of Regional Health Science, SDU, Denmark |
| 2011–2013 | Part-time PhD student at AU |
| 2008–2014 | Assistant Professor, Clinical Cell Biology, Lillebaelt Hospital & Institute of Regional Health Science, SDU, Denmark |
| 2003–2008 | Senior Scientist, Clinical Cell Biology, Vejle Hospital, Denmark |
| 2001–2003 | Function manager, Nordic Bioscience A/S, Herlev, Denmark |

● Research Interests

My teams research can best be categorized as clinical-oriented translational bone research, since I carefully make an effort understand the physiological microanatomy and coordination of the human bone remodeling *in vivo*, in order to discover novel features of its pathophysiological dysfunction during aging, osteoporosis, rare bone diseases, multiple myeloma and other cancer-induced bone diseases, as well as their current treatment. This effort have resulted in ground-breaking insights into the human bone remodeling process, which have reshaped our understanding of the underlying cellular organization and mechanisms driving its pathological coordination, as well as its dysregulation during the investigated pathologies and potential rescue during their treatment. I have been the president of the International Society of Bone Morphometry (ISBM) (2020–2022), and currently the founding president of the yearly Danish Bone Research Workshop (2018–present).

● Publications

1. Andersen TL, Jensen PR, Sikjaer TT, Rejnmark L, Ejersted C, Delaisse JM. A Critical Role of the Bone Marrow Envelope in Human Bone Remodeling. *J Bone Miner Res.* 2023 June;38(6):918–928
2. Christiansen PD, Andreasen CM, El-Masri BM, Laursen KS, Delaisse JM, Andersen TL. Osteoprogenitor recruitment and differentiation during intracortical bone remodeling of adolescent humans. *Bone* 2023 Dec;177:116896.