



Thomas Ambrosi

Postdoctoral Research Fellow, Plastic and Reconstructive Surgery

Bio

PROFESSIONAL EDUCATION

- Diplom, Technische Universität Berlin (2013)
- MSc, Dongseo University (2013)
- Doctor of Philosophy, University of Potsdam (2017)

Publications

PUBLICATIONS

- **Human skeletal stem cell aging** *AGING-US*
Ambrosi, T. H., Goodnough, L., Chan, C. F.
2020; 12 (17): 16669–71
- **Articular cartilage regeneration by activated skeletal stem cells.** *Nature medicine*
Murphy, M. P., Koepke, L. S., Lopez, M. T., Tong, X., Ambrosi, T. H., Gulati, G. S., Marescic, O., Wang, Y., Ransom, R. C., Hoover, M. Y., Steininger, H., Zhao, L., Walkiewicz, et al
2020
- **Geriatric fragility fractures are associated with a human skeletal stem cell defect.** *Aging cell*
Ambrosi, T. H., Goodnough, L. H., Steininger, H. M., Hoover, M. Y., Kim, E., Koepke, L. S., Marescic, O., Zhao, L., Seita, J., Bishop, J. A., Gardner, M. J., Chan, C. K.
2020: e13164
- **FGF21, not GCN2, influences bone morphology due to dietary protein restrictions.** *Bone reports*
McNulty, M. A., Goupil, B. A., Albarado, D. C., Castano-Martinez, T., Ambrosi, T. H., Puh, S., Schulz, T. J., Schurmann, A., Morrison, C. D., Laeger, T.
2020; 12: 100241
- **A Revised Perspective of Skeletal Stem Cell Biology** *FRONTIERS IN CELL AND DEVELOPMENTAL BIOLOGY*
Ambrosi, T. H., Longaker, M. T., Chan, C. F.
2019; 7
- **Identification of the Human Skeletal Stem Cell.** *Cell*
Chan, C. K., Gulati, G. S., Sinha, R., Tompkins, J. V., Lopez, M., Carter, A. C., Ransom, R. C., Reinisch, A., Wearda, T., Murphy, M., Brewer, R. E., Koepke, L. S., Marescic, et al
2018; 175 (1): 43
- **Loss of the Hematopoietic Stem Cell Factor GATA2 in the Osteogenic Lineage Impairs Trabecularization and Mechanical Strength of Bone** *MOLECULAR AND CELLULAR BIOLOGY*
Tolkachov, A., Fischer, C., Ambrosi, T. H., Bothe, M., Han, C., Muenzner, M., Mathia, S., Salminen, M., Seifert, G., Thiele, M., Duda, G. N., Meijnsing, S. H., Sauer, et al
2018; 38 (12)

- **Loss of periostin occurs in aging adipose tissue of mice and its genetic ablation impairs adipose tissue lipid metabolism.** *Aging cell*
Graja, A., Garcia-Carrizo, F., Jank, A. M., Gohlke, S., Ambrosi, T. H., Jonas, W., Ussar, S., Kern, M., Schürmann, A., Aleksandrova, K., Blüher, M., Schulz, T. J.
2018; 17 (5): e12810
- **The emerging role of bone marrow adipose tissue in bone health and dysfunction** *JOURNAL OF MOLECULAR MEDICINE-JMM*
Ambrosi, T. H., Schulz, T. J.
2017; 95 (12): 1291–1301
- **Adipocyte Accumulation in the Bone Marrow during Obesity and Aging Impairs Stem Cell-Based Hematopoietic and Bone Regeneration** *CELL STEM CELL*
Ambrosi, T. H., Scialdone, A., Graja, A., Gohlke, S., Jank, A., Bocian, C., Woelk, L., Fan, H., Logan, D. W., Schuermann, A., Saraiva, L. R., Schulz, T. J.
2017; 20 (6): 771-+
- **Muscle mitochondrial stress adaptation operates independently of endogenous FGF21 action** *MOLECULAR METABOLISM*
Ost, M., Coleman, V., Voigt, A., van Schothorst, E. M., Keipert, S., van der Stelt, I., Ringel, S., Graja, A., Ambrosi, T., Kipp, A. P., Jastroch, M., Schulz, T. J., Keijer, et al
2016; 5 (2): 79–90
- **A Focused Low-Intensity Pulsed Ultrasound (FLIPUS) System for Cell Stimulation: Physical and Biological Proof of Principle** *IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL*
Puts, R., Ruschke, K., Ambrosi, T. H., Kadow-Romacker, A., Knaus, P., Jenderka, K., Raum, K.
2016; 63 (1): 91–100