All results already published within the project "OsteoLas" are listed here. This overview is continuously supplemented by publications with material that has not yet been published.

Publications in peer-reviewed journals:

- F. Schell, S. Alamri, A. Hariharan, A. Gebert, A.F. Lasagni, T. Kunze, *'Fabrication of four-level hierarchical topographies through the combination of LIPSS and direct laser interference pattering on near-beta titanium alloy'*, Materials Letters. 306 (2022) 130920. https://doi.org/10.1016/j.matlet.2021.130920.
- A. Hariharan, P. Goldberg, T. Gustmann, E. Maawad, S. Pilz, F. Schell, T. Kunze, C. Zwahr, A. Gebert, '*Designing the microstructural constituents of an additively manufactured near Ti alloy for an enhanced mechanical and corrosion response'*, Materials & Design. (2022) 110618. https://doi.org/10.1016/j.matdes.2022.110618.

Publications in conference proceedings:

- F. Schell, A. Hariharan, P. Goldbgerg, S. Alamri, A. Gebert, T. Kunze, A. F. Lasagni, *'From infrared to ultraviolet: direct laser interference patterning of additively manufactured titanium alloy using a picosecond laser'*, in Laser-based Micro- and Nanoprocessing XVI, San Francisco, United States, Mar. 2022, p. 43. https://doi.org/10.1117/12.2610634.
- F. Schell, A. Hariharan, P. Goldberg, R. Baumann, E. Jäger, A. Gebert, C. Zwahr, A. F. Lasagni, *'Pulse duration and wavelength effects on the surface topography of Direct Laser Interference Patterning treated titanium specimen'*, 23. International Symposium on Laser Precision Microfabrication (2022), eingereicht.

Presentations and posters:

- F. Schell, S.Alamri, A. Hariharan, A. Gebert, A. F. Lasagni, T. Kunze, *'Multiscale microtexturing of additive-manufactured titanium alloy for increased osseointegration'*, MaterialsWeek 2021 in Dresden, Deutschland (2021).
- A. Hariharan, P. Goldberg, T. Gustmann, E. Maawaad, S. Pilz, F. Schell, T. Kunze, C. Zwahr, A. Gebert (2022), *‚Additive Fertigung von near-beta Ti-13Nb-13Zr Komponenten mit erhöhter Biofunktionalität für Implantatanwendungen'*, 3. Fachtagung Werkstoffe und Additive Fertigung in Dresden, Deutschland (2022).
- F. Schell, A. Hariharan, P. Goldbgerg, S. Alamri, A. Gebert, T. Kunze, A. F. Lasagni, *'From infrared to ultraviolet: direct laser interference patterning of additively manufactured titanium alloy using a picosecond laser'*, Laser-based Micro- and Nanoprocessing XVI in San Francisco, United States (2022).
- F. Schell, A. Hariharan, P. Goldberg, R. Baumann, E. Jäger, A. Gebert, C. Zwahr, A. F. Lasagni, *'Pulse duration and wavelength effects on the surface topography of Direct Laser Interference Patterning treated titanium specimen'*, 23. International Symposium on Laser Precision Microfabrication in Dresden, Deutschland (2022).

Others:

- F. Schell, C. Zwahr, P. Goldberg, A. Hariharan, A. Gebert, *'Creating a new generation of medical implants'*, Laser Systems Europe. (2022). https://www.lasersystemseurope.com/analysis-opinion/creating-new-generation-medical-implants.