

Georg Bauer

### Complete list of Publications

- 156) Bauer G, Graves DB, Schuster M and Metelmann H-R. Investigating Physical Plasma –New Horizons. 3.1: Side effect management. In: “Comprehensive Clinical Plasma Medicine - Treating with Cold Physical Plasma”; Metelmann H-R, von Woedtke T and Weltmann K-D, editors, Springer, in press, 2017
- 155) Graves DB and Bauer G. Understanding Physical Plasma –Background and Principles. 1.4: Key Roles of Reactive Oxygen and Nitrogen Species. In: “Comprehensive Clinical Plasma Medicine - Treating with Cold Physical Plasma”; Metelmann H-R, von Woedtke T and Weltmann K-D, editors, Springer, in press, 2017
- 154) Metelmann H-R, Seebauer C, Miller V, Fridman A, Bauer G, Graves DB, Rutkowski R, Schuster M, Bekeschus S, Wende K, Hori M, Tanaka H, Weltmann K-D, von Woedtke T, VonHoff DD. Clinical anticancer effect of physical cold atmospheric pressure plasma – approaches for understanding. *Clinical Plasma Medicine*, in press, 2017
- 153) Schuster M, Rutkowski R, Hauschild A, Shojaei RK, von Woedtke T, Rana A, Bauer G, Metelmann P, Seebauer C. Why are there no side effects in plasma treatment of oral cancer? *Clinical Plasma Medicine*, in press, 2017
- 152) Bauer G. Nitric oxide contributes to selective apoptosis induction in malignant cells through multiple reaction steps. *Critical Reviews in Oncogenesis*, in press, 2017
- 151) Bauer G. Autoamplificatory singlet oxygen generation sensitizes tumor cells for intercellular apoptosis-inducing signaling. *Mechanisms of Ageing and Development*, in press, 2017
- 150) Bauer G. Signal amplification by tumor cells: clue to the understanding of the antitumor effects of cold atmospheric plasma and plasma-activated medium. *IEEE Transactions on Radiation and Plasma Medical Sciences*, in press, 2017
- 149) Krüger H and Bauer G: Lactobacilli enhance reactive oxygen species-dependent apoptosis-inducing signalling. *Redox Biol* 11: 715-724, 2017
- 148) Bauer G. siRNA-based analysis of the abrogation of the protective function of membrane-associated catalase of tumor cells. *Anticancer Res* 37: 567-582, 2017
- 147) Bauer G. Central signaling elements of intercellular reactive oxygen/nitrogen species-dependent induction of apoptosis in malignant cells. *Anticancer Res* 37: 499-514, 2017
- 146) Bauer G. Targeting the protective catalase of tumor cells with cold atmospheric plasma-treated medium (PAM). *Anticancer Agents in Medicinal Chemistry*, 2017, doi: [10.2174/1871520617666170801103708](https://doi.org/10.2174/1871520617666170801103708)
- 145) Bauer G. Helicobacter and Reactive Oxygen Species. In: *Gastrointestinal tissue. Oxidative stress and dietary antioxidants*. Edited by J. Gracia-Sancho and J Salvadó. Academic Press, Elsevier Inc. 2017, pp 81-96.
- 144) Niller HH and Bauer G. Epstein-Barr Virus: Clinical Diagnostics. *Methods Mol. Biol.* 1532: 33-55, 2017.
- 143) Bauer G and Graves DB. Mechanisms of selective antitumor action of cold atmospheric plasma-derived reactive oxygen and nitrogen species. 2016, *Plasma Process Polymer* 13: 1157-1178, 2016
- 142) Bauer G and Motz M: The antitumor effect of single-domain antibodies directed towards membrane-associated catalase and superoxide dismutase. *Anticancer Res.* 36: 5945-5956, 2016.
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