

## Original Articles

### 2022

Bunse M, Daniels R, **Gründemann C**, Heilmann J, Kammerer DR, Keusgen M, Lindequist U, Melzig MF, Morlock GE, Schulz H, Schweiggert R, Simon M, Stintzing FC and Wink M (2022) *Essential Oils as Multicomponent Mixtures and Their Potential for Human Health and Well-Being*. Front. Pharmacol. 13:956541. doi: 10.3389/fphar.2022.956541

Spiess D, Winker M, Dolder Behna A, **Gründemann C**, Simões-Wüst AP. *Advanced in Vitro Safety Assessment of Herbal Medicines for the Treatment of Non-Psychotic Mental Disorders in Pregnancy*. Front Pharmacol. 2022 Jun 23; 13:882997. doi: 10.3389/fphar.2022.882997. MID: 35814220; PMCID: PMC9259859.

Falanga CM, Steinborn C, Muratspahić E, Zimmermann-Klemd AM, Winker M, Krenn L, Huber R, Gruber CW, **Gründemann C**. *Ipecac root extracts and isolated circular peptides differentially suppress inflammatory immune response characterised by proliferation, activation and degranulation capacity of human lymphocytes in vitro*. Biomed Pharmacother. 2022 Aug; 152:113120. doi: 10.1016/j.biopha.2022.113120. Epub 2022 May 30. PMID: 35653889.

Zimmermann-Klemd AM, Reinhardt JK, Winker M, **Gründemann C**. *Phytotherapy in Integrative Oncology-An Update of Promising Treatment Options*. Molecules. 2022 May 17;27(10):3209. doi: 10.3390/molecules27103209. PMID: 35630688; PMCID: PMC9143079.

Devi S, Zimmermann-Klemd AM, Fiebich BL, Heinrich M, **Gründemann C**, Steinberger P, Kowarschik S, Huber R. *Immunosuppressive activity of non- psychoactive Cannabis sativa L. extract on the function of human T lymphocytes*. Int Immunopharmacol. 2022 Feb; 103:108448. doi: 10.1016/j.intimp.2021.108448. Epub 2022 Jan 5. PMID: 34998274.

### 2021

Waterstradt A, Winker M, Zimmermann-Klemd AM, Devi S, Lederer AK, Huber R, **Gründemann C**. *Silicon Resorption from Equisetum arvense Tea - A Randomized, Three-Armed Pilot Study*. Planta Med. 2021 Oct 27. doi: 10.1055/a-1643-5493. Epub ahead of print. PMID: 34706374.

Syafni N, Devi S, Zimmermann-Klemd AM, Reinhardt JK, Danton O, **Gründemann C**, Hamburger M. *Immunosuppressant flavonoids from Scutellaria baicalensis*. Biomed Pharmacother. 2021 Oct 13; 144:112326. doi: 10.1016/j.biopha.2021.112326. Epub 2021 Oct 13. PMID: 34653757.

Spiess D, Winker M, Chauveau A, Abegg VF, Potterat O, Hamburger M, **Gründemann C**, Simões-Wüst AP. *Medicinal Plants for the Treatment of Mental Diseases in Pregnancy: An In Vitro Safety Assessment*. *Planta Med.* 2021 Oct 8. doi: 10.1055/a-1628-8132. Epub ahead of print. PMID: 34624906.

Hellinger R, Muratspahić E, Devi S, Koehbach J, Vasileva M, Harvey PJ, Craik DJ, **Gründemann C**, Gruber CW. *Importance of the Cyclic Cystine Knot Structural Motif for Immunosuppressive Effects of Cyclotides*. *ACS Chem Biol.* 2021 Sep 30. doi: 10.1021/acscchembio.1c00524. Epub 2021 Sep 30. PMID: 34592097.

Pinto MEF, Chan LY, Koehbach J, Devi S, **Gründemann C**, Gruber CW, Gomes M, Bolzani VS, Cilli EM, Craik DJ. *Cyclotides from Brazilian Palicourea sessilis and Their Effects on Human Lymphocytes*. *J Nat Prod.* 2021 Jan 22;84(1):81-90. doi: 10.1021/acsnatprod.0c01069. Epub 2021 Jan 4. PMID: 33397096; PMCID: PMC7836058.

## 2020

Lederer AK, Maul-Pavicic A, Hannibal L, Hettich M, Steinborn C, **Gründemann C**, Zimmermann-Klemd AM, Müller A, Sehnert B, Salzer U, Klein R, Voll RE, Samstag Y, Huber R. *Vegan diet reduces neutrophils, monocytes and platelets related to branched-chain amino acids - A randomized, controlled trial*. *Clin Nutr.* 2020 Nov;39(11):3241-3250. doi: 10.1016/j.clnu.2020.02.011. Epub 2020 Feb 24. PMID: 32147197.

Reinhardt JK, Zimmermann-Klemd AM, Danton O, Smieško M, **Gründemann C**, Hamburger M. *Compounds from Toddalia asiatica: Immunosuppressant Activity and Absolute Configurations*. *J Nat Prod.* 2020 Oct 23;83(10):3012-3020. doi: 10.1021/acsnatprod.0c00564. Epub 2020 Oct 1. PMID: 33001647.

Zimmermann-Klemd AM, Reinhardt JK, Nilsu T, Morath A, Falanga CM, Schamel WW, Huber R, Hamburger M, **Gründemann C**. *Boswellia carteri extract and 3-O-acetyl-alpha-boswellic acid suppress T cell function*. *Fitoterapia.* 2020 Oct; 146:104694. doi: 10.1016/j.fitote.2020.104694. Epub 2020 Jul 24. PMID: 32712132.

Du Preez CI, **Gründemann C**, Reinhardt JK, Mumbengegwi DR, Huber R. *Immunomodulatory effects of some Namibian plants traditionally used for treating inflammatory diseases*. *J Ethnopharmacol.* 2020 May 23; 254:112683. doi: 10.1016/j.jep.2020.112683. Epub 2020 Feb 20. PMID: 32087321.

Zimmermann-Klemd AM, Reinhardt JK, Morath A, Schamel WW, Steinberger P, Leitner J, Huber R, Hamburger M, **Gründemann C**. *Immunosuppressive Activity of Artemisia argyi Extract and Isolated Compounds*. *Front Pharmacol.* 2020 Apr 8; 11:402. doi: 10.3389/fphar.2020.00402. PMID: 32322200; PMCID: PMC7157444.

**Gründemann C**, Reinhardt JK, Lindequist U. *European medicinal mushrooms: Do they have potential for modern medicine? - An update*. *Phytomedicine.* 2020 Jan; 66:153131. doi: 10.1016/j.phymed.2019.153131. Epub 2019 Nov 2. PMID: 31790898.

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## 2019

Lederer AK, Hannibal L, Hettich M, Behringer S, Spiekerkoetter U, Steinborn C, **Gründemann C**, Zimmermann-Klemd AM, Müller A, Simmet T, Schmiech M, Maul-Pavicic A, Samstag Y, Huber R. *Vitamin B12 Status Upon Short-Term Intervention with a Vegan Diet-A Randomized Controlled Trial in Healthy Participants*. *Nutrients.* 2019 Nov 18;11(11):2815. doi: 10.3390/nu11112815. PMID: 31752105; PMCID: PMC6893687.

Reinhardt JK, Klemd AM, Danton O, De Mieri M, Smieško M, Huber R, Bürgi T, **Gründemann C**, Hamburger M. *Sesquiterpene Lactones from Artemisia argyi: Absolute Configuration and Immunosuppressant Activity*. *J Nat Prod.* 2019 Jun 28;82(6):1424-1433. doi: 10.1021/acs.jnatprod.8b00791. Epub 2019 Jun 5. PMID: 31181920.

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## 2018

von Schönfeld C, Huber R, Trittler R, Kammerer B, Garcia-Käufer M, **Gründemann C**. *Rosemary has immunosuppressant activity mediated through the STAT3 pathway*. *Complement Ther Med.* 2018 Oct;40:165-170. doi: 10.1016/j.ctim.2018.03.004. Epub 2018 Mar 11. PMID: 30219443.

Rentsch G, Steinborn C, Klemd AM, Kienle GS, **Gründemann C**, Huber R. *Investigations on the constitutional types under consideration of anthropometric data, autonomic regulation and immunological parameters*. *Complement Ther Med.* 2018 Oct;40:133-144. doi: 10.1016/j.ctim.2018.04.011. Epub 2018 May 1. PMID: 30219439.

Stadlbauer S, Steinborn C, Klemd A, Hattori F, Ohmori K, Suzuki K, Huber R, Wolf P, **Gründemann C**. *Impact of Green Tea Catechin ECG and Its Synthesized Fluorinated Analogue on Prostate Cancer Cells and Stimulated Immunocompetent Cells*. *Planta Med.* 2018 Jul;84(11):813-819. doi: 10.1055/s-0044-102099. Epub 2018 Feb 21. PMID: 29466808.

Steinborn C, Poterat O, Meyer U, Trittler R, Stadlbauer S, Huber R, **Gründemann C**. *In Vitro Anti-inflammatory Effects of Equisetum arvense Are Not Solely Mediated by Silica*. *Planta Med.* 2018 May;84(8):519-526. doi: 10.1055/s-0043-123075. Epub 2017 Dec 4. PMID: 29202511.

**Gründemann C**, Huber R. *Chemoprevention with isothiocyanates - From bench to bedside*. *Cancer Lett.* 2018 Feb 1;414:26-33. doi: 10.1016/j.canlet.2017.10.033. Epub 2017 Oct 27. PMID: 29111351.

Grunewald F, Steinborn C, Huber R, Wille R, Meier S, Alresly Z, Lindequist U, **Gründemann C**. *Effects of Birch Polypore Mushroom, Piptoporus betulinus (Agaricomycetes), the "Iceman's Fungus", on Human Immune Cells*. Int J Med Mushrooms. 2018;20(12):1135-1147. doi: 10.1615/IntJMedMushrooms.2018029154. PMID: 30806295.