

Publication list of 5 years: Karl-Heinz Wagner

Prof. Karl-Heinz Wagner, Publications of the last 5 years (2017-2021)

Quality assured publications, ISI Journals, TOP=Q1, H-Index: 56, ID: orcid.org/0000-0002-1683-7265

2021– IF= 125.54

1. Aschauer R, Unterberger S, Zöhrer PA, Draxler A, Franzke B, Strasser EM, **Wagner KH**, Wessner B. Effects of Vitamin D3 Supplementation and Resistance Training on 25-Hydroxyvitamin D Status and Functional Performance of Older Adults: A Randomized Placebo-Controlled Trial. *Nutrients*. 2021 Dec 26;14(1):86. doi: 10.3390/nu14010086. IF=5.717
2. Bürger B, Schindler K, Tripolt T, Stüger HP, **Wagner KH**, Weber A, Wolf-Spitzer A. (2021): Breastfeeding Prevalence in Austria according to the WHO IYCF Indicators-The SUKIE-Study. *Nutrients*. 2021 Jun 19;13(6):2096. doi: 10.3390/nu13062096. IF=5.717, Q1
3. Cordova R, Kliemann N, Huybrechts I, Rauber F, Vamos EP, Levy RB, **Wagner KH**, Viallon V, Casagrande C, Nicolas G, Dahm CC, Zhang J, Halkjær J, Tjønneland A, Boutron-Ruault MC, Mancini FR, Laouali N, Katzke V, Srour B, Jannasch F, Schulze MB, Masala G, Grioni S, Panico S, van der Schouw YT, Derksen JWG, Rylander C, Skeie G, Jakszyn P, Rodriguez-Barranco M, Huerta JM, Barricarte A, Brunkwall L, Ramne S, Bodén S, Perez-Cornago A, Heath AK, Vineis P, Weiderpass E, Monteiro CA, Gunter MJ, Millett C, Freisling H. (2021): Consumption of ultra-processed foods associated with weight gain and obesity in adults: A multi-national cohort study. *Clin Nutr*. 2021 Sep;40(9):5079-5088. doi: 10.1016/j.clnu.2021.08.009. IF=7.324, Q1
4. Draxler A, Franzke B, Cortolezis JT, Gillies NA, Unterberger S, Aschauer R, Zöhrer PA, Bragagna L, Kodnar J, Strasser EM, Neubauer O, Sharma P, Mitchell SM, Zeng N, Ramzan F, D'Souza RF, Knowles SO, Roy NC, Sjödin AM, Mitchell CJ, Milan AM, Wessner B, Cameron-Smith D, **Wagner KH**. (2021): The Effect of Elevated Protein Intake on DNA Damage in Older People: Comparative Secondary Analysis of Two Randomized Controlled Trials. *Nutrients*. 2021 Sep 30;13(10):3479. doi: 10.3390/nu13103479. IF=5.717, Q1
5. Fenech M, Knasmueller S, Knudsen LE, Kirsch-Volders M, Deo P, Franzke B, Stopper H, Andreassi MG, Bolognesi C, Dhillon VS, Laffon B, **Wagner KH**, Bonassi S.(2021): "Micronuclei and Disease" special issue: Aims, scope, and synthesis of outcomes. *Mutat Res Rev Mutat Res*. 2021 Jul-Dec;788:108384. doi: 10.1016/j.mrrev.2021.108384. IF=5.803, Q1
6. Gathercole JL, Grosvenor AJ, Lee E, Thomas A, Mitchell CJ, Zeng N, D'Souza RF, Ramzan F, Sharma P, Knowles SO, Roy NC, Sjödin A, **Wagner KH**, Milan AM, Mitchell SM, Cameron-Smith D. Analysis of Human Faecal Host Proteins: Responsiveness to 10-Week Dietary Intervention Modifying Dietary Protein Intake in Elderly Males. *Front Nutr*. 2021 Jan 13;7:595905. doi: 10.3389/fnut.2020.595905 IF=6.576, Q1
7. Gillies NA, Milan AM, Chia PHP, Sharma P, Mitchell SM, Zeng N, Ramzan F, D'Souza RF, Mitchell CJ, Knowles SO, Andraos S, Sjödin A, **Wagner KH**, Roy NC, Cameron-Smith D. (2021): Responsiveness of one-carbon metabolites to a high-protein diet in older men: Results from a 10-wk randomized controlled trial. *Nutrition*. 2021 Sep;89:111231. doi: 10.1016/j.nut.2021.111231. IF=4.008, Q1

8. Gillies NA, Franzke B, Wessner B, Schober-Halper B, Hofmann M, Oesen S, Tosevska A, Strasser EM, Roy NC, Milan AM, Cameron-Smith D, **Wagner KH**. (2021): Nutritional supplementation alters associations between one-carbon metabolites and cardiometabolic risk profiles in older adults: a secondary analysis of the Vienna Active Ageing Study. *Eur J Nutr*. 2021 Jul 8. doi: 10.1007/s00394-021-02607-y. IF=5.614, Q1
9. Hana CA, Tran LV, Mölzer C, Müllner E, Hörmann-Wallner M, Franzke B, Tosevska A, Zöhrer PA, Doberer D, Marculescu R, Bulmer AC, Freisling H, Moazzami AA, **Wagner KH**. (2021): Serum metabolomics analysis reveals increased lipid catabolism in mildly hyperbilirubinemic Gilbert's syndrome individuals. *Metabolism*. 2021 Dec;125:154913. doi: 10.1016/j.metabol.2021.154913. IF=8.694, Q1
10. Hana CA, Klebermass EM, Balber T, Mitterhauser M, Quint R, Hirtl Y, Klimpke A, Somloi S, Hutz J, Sperr E, Eder P, Jašprová J, Valášková P, Vitek L, Heiss E, **Wagner KH**. Inhibition of Lipid Accumulation in Skeletal Muscle and Liver Cells: A Protective Mechanism of Bilirubin Against Diabetes Mellitus Type 2. *Front Pharmacol*. 2021 Jan 25;11:636533. doi: 10.3389/fphar.2020.636533. IF=5.33, Q1
11. Krasniqi E, Boshnjaku A, **Wagner KH**, Wessner B. (2021): Association between Polymorphisms in Vitamin D Pathway-Related Genes, Vitamin D Status, Muscle Mass and Function: A Systematic Review. *Nutrients*. 2021 Sep 4;13(9):3109. doi: 10.3390/nu13093109. IF=5.717, Q1
12. Mayén AL, Aglago E, Knaze V, Cordova R, Schalkwijk CG, **Wagner KH**, ... Jenab M, Freisling H (2021): Dietary intake of advanced glycation endproducts and risk of hepatobiliary cancers: a multinational cohort study. *Int. J. Cancer* 2021 Apr 25;149(4):854-64. doi: 10.1002/ijc.33612., IF=7.396, Q1
13. Milić, M., Ceppi, M., Bruzzone, M., ..., **Wagner KH**, Zivkoic L, Dusinska M, Collins, A.R., Bonassi, S. The hCOMET project: International database comparison of results with the comet assay in human biomonitoring. Baseline frequency of DNA damage and effect of main confounders. *Reviews in Mutation Research*, 2021, 787, 108371. IF=5.803, Q1
14. Seyed Khoei N, Carreras-Torres R, Murphy N, Gunter MJ, Brennan P, Smith-Byrne K, Mariosa D, McKay J, O'Mara TA, Jarrett R, Hjalgrim H, Smedby KE, Cozen W, Onel K, Diepstra A, **Wagner KH**, Freisling H. Genetically Raised Circulating Bilirubin Levels and Risk of Ten Cancers: A Mendelian Randomization Study. *Cells*. 2021 Feb 15;10(2):394. doi: 10.3390/cells10020394. IF=6.600, Q1
15. Seyed Khoei N, **Wagner KH**, Carreras-Torres R, Gunter MJ, Murphy N, Freisling H. (2021): Associations between Prediagnostic Circulating Bilirubin Levels and Risk of Gastrointestinal Cancers in the UK Biobank. *Cancers (Basel)*. 2021 Jun 1;13(11):2749. doi: 10.3390/cancers13112749. IF=6.639, Q1
16. Shiels RG, Hewage W, Vidimce J, Pearson AG, Grant G, **Wagner KH**, Bulmer AC. Pharmacokinetics of bilirubin-10-sulfonate and biliverdin in the rat. *Eur J Pharm Sci*. 2021 Apr 1;159:105684. doi: 10.1016/j.ejps.2020.105684. IF=4.432, Q1
17. Vidimce J, Pillay J, Shrestha N, Dong LF, Neuzil J, **Wagner KH**, Holland OJ, Bulmer AC. Mitochondrial Function, Fatty Acid Metabolism, and Body Composition in the Hyperbilirubinemic Gunn Rat. *Front. Pharmacol.*, 08 March 2021 | <https://doi.org/10.3389/fphar.2021.586715>. IF=5.33, Q1

18. Wirnitzer K, Motevalli M, Tanous D, Wirnitzer G, Leitzmann C, Wagner KH, Rosemann T, Knechtle B. (2021): Training and Racing Behaviors of Omnivorous, Vegetarian, and Vegan Endurance Runners-Results from the NURMI Study (Step 1). *Nutrients*. 2021 Oct 7;13(10):3521. doi: 10.3390/nu13103521. IF=5.717, Q1
19. **Wagner KH**, Schwingshackl L, Draxler A, Franzke B. Impact of dietary and lifestyle interventions in elderly or people diagnosed with diabetes, metabolic disorders, cardiovascular disease, cancer and micronutrient deficiency on micronuclei frequency – A systematic review and meta-analysis. *Mutation Research - Reviews in Mutation Research*, 2021, 787, 108367. IF=5.803, Q1
20. **Wagner KH**, Khoei NS, Hana CA, Doberer D, Marculescu R, Bulmer AC, Hörmann-Wallner M, Mölzer C. (2021): Oxidative Stress and Related Biomarkers in Gilbert's Syndrome: A Secondary Analysis of Two Case-Control Studies. *Antioxidants (Basel)*. 2021 Sep 15;10(9):1474. doi: 10.3390/antiox10091474. IF=6.312, Q1
21. Zöhrer PA, Hana CA, Seyed Khoei N, Mölzer C, Hörmann-Wallner M, Tosevska A, Doberer D, Marculescu R, Bulmer AC, Herbold CW, Berry D, **Wagner KH**. (2021): Gilbert's Syndrome and the Gut Microbiota - Insights From the Case-Control BILIHEALTH Study. *Front Cell Infect Microbiol*. 2021 Sep 16;11:701109. doi: 10.3389/fcimb.2021.701109. IF=5.293, Q1

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22. Fenech M, Holland N, Kirsch-Volders M, Knudsen LE, **Wagner KH**, Stopper H, Knasmueller S, Bolognesi C, El-Zein R, Bonassi S. Micronuclei and disease - Report of HUMN project workshop at Rennes 2019 EEMGS conference. *Mutat Res*. 2020 Feb-Mar;850-851:503133. doi: 10.1016/j.mrgentox.2020.503133. IF=2.506, Q2
23. Franzke B, Schober-Halper B, Hofmann M, Oesen S, Tosevska A, Nersesyan A, Knasmüller S, Strasser EM, Wallner M, Wessner B, **Wagner KH**. Chromosomal stability in buccal cells was linked to age but not affected by exercise and nutrients - Vienna Active Ageing Study (VAAS), a randomized controlled trial. *Redox Biology*, 2020 Jan;28:101362. doi 10.1016/j.redox.2019 IF=9.986, Q1
24. Franzke B, Schwingshackl L, **Wagner KH**. Chromosomal damage measured by the cytokinesis block micronucleus cytome assay in diabetes and obesity - a systematic review and meta-analysis. *Mut.Res.Rev*. 2020, 786, 108343. IF=5.803, Q1
25. Freisling H, Seyed Khoei N, Viallon V, **Wagner KH**. Gilbert's syndrome, circulating bilirubin and lung cancer: a genetic advantage? *Thorax*. 2020 Nov;75(11):916-917. doi: 10.1136/thoraxjnl-2020-215642. IF=10.844, Q1
26. Jungert A, Linseisen J, **Wagner KH**, Richter M; German Nutrition Society (DGE). Revised D-A-CH Reference Values for the Intake of Vitamin B6. *Ann Nutr Metab*. 2020 Jul 20:1-10. doi: 10.1159/000508618. IF=2.841, Q2
27. Kaszoni-Rückerl I, Mustedanagic A, Muri-Klinger S, Brugger K, **Wagner KH**, Wagner M, Stesl B. Predominance of Distinct *Listeria Innocua* and *Listeria Monocytogenes* in Recurrent Contamination Events at Dairy Processing Facilities. *Microorganisms*. 2020 Feb 10;8(2). pii: E234. doi: 10.3390/microorganisms8020234, IF=4.167, Q1

28. Laky B, Alram I, Frank JK, Pauzenberger L, Anderl W, **Wagner KH**, Heuberer PR. Mildly decreased preoperative bilirubin levels are associated with infections after shoulder and knee arthroplasty. *J Orthop Res.* 2020 Feb 4. doi: 10.1002/jor.24620. IF=3.14, Q1
29. Mitchell SM, McKenzie EJ, Mitchell CJ, Milan AM, Zeng N, D'Souza RF, Ramzan F, Sharma P, Rettedal E, Knowles SO, Roy NC, Sjödin A, **Wagner KH**, O'Sullivan JM, Cameron-Smith D. A period of 10 weeks of increased protein consumption does not alter faecal microbiota or volatile metabolites in healthy older men: a randomised controlled trial. *J Nutr Sci.* 2020 Jul 3;9:e25. doi: 10.1017/jns.2020.15.
30. Nemeth M, Wallner B, Schuster D, Siutz C, Quint R, **Wagner KH**, Millesi E. Effects of dietary fatty acids on the social life of male Guinea pigs from adolescence to adulthood. *Horm Behav.* 2020 Aug;124:104784. doi: 10.1016/j.yhbeh.2020.104784. IF=4.445, Q1
31. Pennell EN, Shiels R, Vidimce J, **Wagner KH**, Shibebe S, Bulmer AC. The impact of bilirubin ditaurate on platelet quality during storage. *Platelets.* 2020 Oct 2;31(7):884-896. doi: 10.1080/09537104.2019.1693038. IF=3.378, Q2
32. Seyed Khoei N, Anton G, Peters A, Freisling H, **Wagner KH**. The association between serum bilirubin levels and colorectal cancer risk: Results from the prospective cooperative health research in the region of Augsburg (KORA) study in Germany. *Antioxidants (Basel).* 2020 Sep 24;9(10):E908. doi: 10.3390/antiox9100908. IF=5.014, Q1
33. Seyed Khoei N, Jenab M, Murphy N, Banbury BL, Carreras-Torres R, Viallon V, Kühn T, Bueno-de-Mesquita B, Aleksandrova K, Cross AJ, Weiderpass E, Stepien M, Bulmer A, Tjønneland A, Boutron-Ruault MC, Severi G, Carbonnel F, Katzke V, Boeing H, Bergmann MM, Trichopoulou A, Karakatsani A, Martimianaki G, Palli D, Tagliabue G, Panico S, Tumino R, Sacerdote C, Skeie G, Merino S, Bonet C, Rodríguez-Barranco M, Gil L, Chirlaque MD, Ardanaz E, Myte R, Hultdin J, Perez-Cornago A, Aune D, Tsilidis KK, Albanes D, Baron JA, Berndt SI, Bézieau S, Brenner H, Campbell PT, Casey G, Chan AT, Chang-Claude J, Chanock SJ, Cotterchio M, Gallinger S, Gruber SB, Haile RW, Hampe J, Hoffmeister M, Hopper JL, Hsu L, Huyghe JR, Jenkins MA, Joshi AD, Kampman E, Larsson SC, Le Marchand L, Li CI, Li L, Lindblom A, Lindor NM, Martín V, Moreno V, Newcomb PA, Offit K, Ogino S, Parfrey PS, Pharoah PDP, Rennert G, Sakoda LC, Schafmayer C, Schmit SL, Schoen RE, Slattery ML, Thibodeau SN, Ulrich CM, van Duijnhoven FJB, Weigl K, Weinstein SJ, White E, Wolk A, Woods MO, Wu AH, Zhang X, Ferrari P, Anton G, Peters A, Peters U, Gunter MJ, **Wagner KH**, Freisling H. Circulating bilirubin levels and risk of colorectal cancer: serological and Mendelian randomization analyses. *BMC Med.* 2020 Sep 3;18(1):229. doi: 10.1186/s12916-020-01703-w. IF=6.782, Q1
34. Shiels RG, Hewage W, Pennell EN, Vidimce J, Grant G, Pearson AG, **Wagner KH**, Morgan M, Bulmer AC. Biliverdin and bilirubin sulfonate inhibit monosodium urate induced sterile inflammation in the rat. *Eur J Pharm Sci.* 2020 Sep 12;155:105546. doi: 10.1016/j.ejps.2020.105546. IF=3.616, Q1
35. Unterberger S, Maier-Salamon A, Jäger W, Wessner B, **Wagner KH**. Data on the highly diverse plasma response to a drink containing nutrients. *Data Brief.* 2020 Feb 20;29:105309. doi: 10.1016/j.dib.2020.

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36. Balber T, Benčurová K, Kiefer FW, Kulterer OC, Klebermass EM, Egger G, Tran L, **Wagner K-H**, Viernstein H, Pallitsch K, Spreitzer H, Hacker M, Wadsak W, Mitterhauser M, Philippe C. (2019): In vitro Radiopharmaceutical Evidence for MCHR1 Binding Sites in Murine Brown Adipocytes. *Front Endocrinol (Lausanne)*. 2019 Jun 11;10:324. IF=3.634, Q2
37. Cordova R, Knaze V, Viallon V, Rust P, Schalkwijk CG, Weiderpass E, **Wagner KH**, Mayen-Chacon AL, Aglago EK, Dahm CC, Overvad K, Tjønneland A, Halkjær J, Mancini FR, Boutron-Ruault MC, Fagherazzi G, Katzke V, Kühn T, Schulze MB, Boeing H, Trichopoulou A, Karakatsani A, Thriskos P, Masala G, Krogh V, Panico S, Tumino R, Ricceri F, Spijkerman A, Boer J, Skeie G, Rylander C, Borch KB, Quirós JR, Agudo A, Redondo-Sánchez D, Amiano P, Gómez-Gómez JH, Barricarte A, Ramne S, Sonestedt E, Johansson I, Esberg A, Tong T, Aune D, Tsilidis KK, Gunter MJ, Jenab M, Freisling H. (2019): Dietary intake of advanced glycation endproducts (AGEs) and changes in body weight in European adults. *Eur J Nutr*. 2019 Nov 7. doi: 10.1007/s00394-019-02129-8. IF=4.449, Q1
38. Franzke B, Schober-Halper B, Hofmann M, Oesen S, Tosevska A, Strasser EM, Marculescu R, Wessner B, **Wagner K-H** (2019): Fat Soluble Vitamins in Institutionalized Elderly and the Effect of Exercise, Nutrition and Cognitive Training on Their Status-The Vienna Active Aging Study (VAAS): A Randomized Controlled Trial. *Nutrients*. 2019 Jun 14;11(6). IF=4.196 Q1
39. Pennell EN, **Wagner K-H**, Mosawy S, Bulmer AC (2019): Acute bilirubin ditaurate exposure attenuates ex vivo platelet reactive oxygen species production, granule exocytosis and activation. *Redox Biology*, doi.org/10.1016/j.redox.2019.101250 . IF=7.126 Q1
40. Franzke B, Schober-Halper B, Hofmann M, Oesen S, Tosevska A, Nersesyan A, Knasmüller S, Strasser EM, Wallner M, Wessner B, **Wagner KH**. (2019): Chromosomal stability in buccal cells was linked to age but not affected by exercise and nutrients - Vienna Active Ageing Study (VAAS), a randomized controlled trial. *Redox Biology*, 2019 Oct 24;28:101362. doi: 10.1016/j.redox.2019.101362 IF=5.788, Q1
41. Pennell EN, Shiels R, Vidimce J, **Wagner KH**, Shibebe S, Bulmer AC. The impact of bilirubin ditaurate on platelet quality during storage. *Platelets*. 2019 Nov 20:1-13. doi: 10.1080/09537104.2019. IF=3.106, Q2
42. Ramzan F, Mitchell CJ, Milan AM, Schierding W, Zeng N, Sharma P, Mitchell SM, D'Souza RF, Knowles SO, Roy NC, Sjödin A, **Wagner KH**, Cameron-Smith D. (2019): Comprehensive Profiling of the Circulatory miRNAome Response to a High Protein Diet in Elderly Men: A Potential Role in Inflammatory Response Modulation. *Mol Nutr Food Res*. 2019 Mar 20:e1800811. IF=5.151, Q1
43. Raubenheimer K, Bondonno C, Blekkenhorst L, **Wagner K-H**, Peake JM, Neubauer O (2019): Effects of dietary 2019): Regulation of Amino Acid Transporters and Sensors in Response to A High Protein Diet: A Randomized C nitrate on inflammation and immune function, and implications for cardiovascular health. *Nutr Rev*. 2019 May 30. pii: nuz025. doi: 10.1093/nutrit/nuz025, IF=5.788, Q1
44. Shih CW, Hauser ME, Aronica L, Rigdon J, Gardner CD. (2019): Changes in blood lipid concentrations associated with changes in intake of dietary saturated fat in the context of a healthy low-carbohydrate weight-loss

diet: a secondary analysis of the Diet Intervention Examining The Factors Interacting with Treatment Success (DIETFITS) Trial. *Am J Clin Nutr.* 2019 Feb 1;109(2):433-441. IF=6.77, Q1

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46. Ströhle A, Richter M, González-Gross M, Neuhäuser-Berthold M, **Wagner KH**, Leschik-Bonnet E, Egert S (2019): The Revised D-A-CH-Reference Values for the Intake of Vitamin B12 : Prevention of Deficiency and Beyond. *Mol Nutr Food Res.* 2019 Jan 18:e1801178. IF=5.151, Q1

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48. Bulmer A, Bakrania B, Du Toit E, Boon A, Clark P, Powell L, **Wagner KH**, Headrick J (2018): Bilirubin acts as a multi-potent guardian of cardiovascular integrity: more than just a radical idea. *AJP-Heart and Circulatory Physiology*, Mar 30. doi: 10.1152/ajpheart.00417.2017 IF=3.348, Q1

49. Ferk F, Brath H, Kundi M, Szekeres T, Al-Serori H, Misik M, Saiko P, Marculescu R, **Wagner K-H**, Knasmüller S (2017): Gallic acid, a common dietary phenolic improves health associated biochemical parameters and prevents oxidative damage of DNA in type 2 diabetes patients: results of a placebo-controlled pilot study. *Mol. Nutr. Food Res.* 62(4). doi: 10.1002/mnfr.201700482. IF=5.151, Q1

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51. Franzke B, Schober- Halper B, Hofmann M, Oesen S, Tosevska A, Henriksen T, Poulsen HE, Strasser EM, Wessner B, **Wagner KH**; Vienna Active Ageing Study Group (VAAS) (2018): Age and the effect of exercise, nutrition and cognitive training on oxidative stress- the Vienna Active Aging Study (VAAS), a randomized controlled trial. *Free Rad Biol Med*, in press, IF=5.606, Q1

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55. Nemeth M, Millesi E, Schuster D, Quint R, **Wagner KH**, Wallner B (2018): Dietary fatty acids sex-specifically modulate guinea pig postnatal development via cortisol concentrations. *Sci. Reports* 11;8(1):471, IF=5.228, Q1
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59. Vranka C, Dumanic M, Racz T, Pichler F, Philippe C, Balber T, Klebermass EM, **Wagner KH**, Hacker M, Wadsak W, Mitterhauser M. (2018). <https://www.ncbi.nlm.nih.gov/pubmed/29529532A> New Model for the Prediction of the Interaction of Radiotracers with the P-glycoprotein (P-gp) transporter. *Nucl Med Biol.* 60:29-36., IF=2.429, Q1
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64. Bakrania B, Du Toit EF, Ashton KJ, **Wagner KH**, Headrick JP, Bulmer AC. (2017): Chronically elevated bilirubin protects from cardiac reperfusion injury in the male Gunn rat. *Acta Physiol (Oxf)* 2017 Feb 16. doi: 10.1111/apha.12858 IF=4.066, Q1
65. Ferk F, Brath H, Kundi M, Szekeres T, Al-Serori H, Misik M, Saiko P, Marculescu R, **Wagner K-H**, Knasmüller S (2017): Gallic acid, a common dietary phenolic improves health associated biochemical parameters

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