

- Fink A, Rüfer CE, Le Grandois J, Roth A, Aoude-Werner D, Marchioni E, Bub A, Barth SW (2013) Dietary walnut oil modulates non-alcoholic fatty liver disease in the obese Zucker rat. *Eur J Nutr.* 2013 Aug 13. [Epub ahead of print]
- Graf D, Seifert S, Jaudszus A, Bub A, Watzl B (2013) Anthocyanin-rich juice lowers serum cholesterol, leptin, and resistin and improves plasma fatty acid composition in Fischer rats. *PLoSOne* June 18 [Epub ahead of print]
- Graf D, Seifert S, Bub A, Fröhling B, Dold S, Unger F, Spengler B, Römpf A, Watzl B (2013) Anthocyanin-rich grape-bilberry juice does not affect gut-associated immunity in Fischer rats. *Mol Nutr Food Res* Jun 3. doi: 10.1002/mnfr.201300022. [Epub ahead of print]
- Rist MJ, Muhle-Goll C, Göring B, Bub A, Heissler S, Watzl B, Luy B (2013) Influence of freezing and storage procedure on human urine samples in NMR-based metabolomics. *Metabolites* 2013, 3(2), 243-258; doi:10.3390/metabo3020243.
- Graf D, Barth SW, Bub A, Narr J, Rüfer CE, Watzl B, Seifert S (2013) Dietary fat quality in regular fat diets has minor effects on biomarkers of inflammation and immune function in obese Zucker rats. *Eur J Nutr* Apr 5. [Epub ahead of print]
- Huch M, De Bruyne K, Cleenwerck I, Bub A, Cho GS, Watzl B, Snauwaert I, Franz CMAP, Vandamme P (2013) *Streptococcus rubneri* sp. nov., isolated from the human throat. *IJSEM* (published ahead of print June 7, 2013, doi:10.1099)
- Bode LM, Bunzel D, Huch M, Cho GS, Ruhland D, Bunzel M, Bub A, Franz CMAP, Kulling SE (2013) *In vivo* and *in vitro* metabolism of *trans*-resveratrol by human gut microbiota. *Am J Clin Nutr* 97(2):295-309 (published online Jan 2)
- Boeing H, Bechthold A, Bub A, Ellinger S, Haller D, Kroke A, Leschik-Bonnet E, Müller MJ, Oberritter H, Schulze M, Stehle P, Watzl B (2012) Critical review: Vegetables and fruit in the prevention of chronic diseases. *Eur J Nutr* 51:627-663 (published online June 9)
- Barth SW, Koch TCL, Watzl B, Dietrich H, Will F, Bub A (2012) Moderate effects of apple juice consumption on obesity related markers in obese men: impact of diet-gene interaction on body fat content. *Eur J Nutr* 51:841-850 (published online Oct 25)
- Robert W Welch, Jean-Michel Antoine, Jean-Louis Berta, Achim Bub, Jan de Vries, Francisco Guarner, Oliver Hasselwander, Henk Hendriks, Martin Jäkel, Berthold V Koletzko, Chris C Patterson, Myriam Richelle, Maria Skarp, Stephan Theis, Stéphane Vidry, Jayne V Woodside (2011) Guidelines for the design, conduct and reporting of human intervention studies to evaluate the health benefits of foods. *Br J Nutr* 106 (Suppl 2):S3-S15.
- Hauder J, Winkler S, Bub A, Rüfer CE, Pignitter M, Somoza V (2011) LC-MS/MS Quantification of Sulforaphane and Indole-3-carbinol Metabolites in Human Plasma and Urine after Dietary Intake of Selenium-Fortified Broccoli. *J Agric Food Chem* 59:8047-8057 (published online July 6, 2011)
- Pfeuffer M, Fielitz K, Laue C, Winkler P, Rubin D, Helwig U, Giller K, Kammann J, Schwedhelm E, Böger RH, Bub A, Bell D, Schrenzenmeier J (2011) CLA does not impair endothelial function and decreases body weight as compared to sunflower oil in overweight male subjects. *J Am Coll Nutr* 30:19-28.
- Seifert S, Bub A, Franz C, Watzl B (2011) Probiotic *L. casei* Shirota supplementation in healthy subjects with reduced natural killer cell activity: a randomized, double-blind, placebo-controlled trial. *J Nutr* 141(5):978-84. (Epub 2011 Mar 23)
- Hsu FC, Wirtz M, Heppel SC, Bogs J, Krämer U, Khan MS, Bub A, Hell R, Rausch T (2011) Generation of Se-fortified broccoli as functional food: Impact of Se-fertilization on S-metabolism. *Plant, Cell & Environment* 34:192-207 (Accepted manuscript online: 29 SEP 2010 08:09AM EST)
- Stracke B, Ruefer CE, Bub A, Seifert S, Weibel FP, Kunz C, Watzl B (2010) No effect of the farming system (organic/conventional) on the bioavailability of apple (*Malus domestica* Bork., cultivar Golden Delicious) polyphenols in healthy men: a comparative study. *Eur J Nutr*, 49:301-310 (online 3.12.2009).
- Garcia AL, Mohan R, Koebnick C, Bub A, Heuer T, Strassner C, Groeneveld MJ, Katz N, Elmadfa I, Leitzmann C, Hoffmann I (2010) Plasma  $\beta$ -carotene is not a suitable biomarker of fruit and vegetable intake in German subjects following a long-term high consumption of fruits and vegetable. *Ann Nutr Metab* 56:23-30.
- Koch TCL, Briviba K, Watzl B, Fährndrich Ch, Bub A, Reckemmer G, SW Barth (2009) Prevention of colon carcinogenesis by apple juice in vivo: Impact of juice constituents and obesity. *Mol Nutr Food Res* 53:1289-1302.
- Stracke B, Ruefer CE, Weibel FP, Bub A, Watzl B (2009) Three Year Comparison of the Polyphenol Content and Antioxidant Capacity in Organically and Conventionally Produced Apples (variety Golden Delicious). *J Agr Food Chem* 57: 4598-4605.
- Rüfer C, Kulling S, Möseneder J, Winterhalter P, Bub A, (2009) Role of plasma lipoproteins in the transport of the soybean isoflavones daidzein and daidzein-7-O- $\beta$ -D-glucoside. *Br J Nutr* 102:793-796.

- Kressel G, Trunz B, Bub A, Hülsmann O, Wolters M, Lichtinghagen R, Stichenoth DO, Hahn A (2009) Systemic and vascular markers of inflammation in relation to metabolic syndrome and insulin resistance in adults with elevated atherosclerosis risk. *Atherosclerosis* 202:263-271.
- Stracke B, Ruefer CE, Bub A, Briviba K, Seifert S, Kunz C, Watzl B (2009) Bioavailability and Nutritional Effects of Carotenoids from Organically and Conventionally Produced Carrots in Healthy Men. *Br J Nutr* 101:1664-1672 (Nov 20, 2008:1-9 Epub ahead of print)
- Koch T, Briviba K, Watzl B, Bub A, Barth SW (2008) Obesity related promotion of aberrant crypt foci correlates with dyslipidemia rather than hyperinsulinemia in 1,2 – dimethylhydrazine-initiated obese Zucker rats. *Eur J Nutr* 47:161-170.
- Bub A (2008) „Prävention von Herzkreislauferkrankungen durch Obst und Gemüse“ *Journal für Ernährungsmedizin* 10(1): 20-21.
- Ralph Rühl, Achim Bub, Bernhard Watzl (2008) Modulation of plasma all-*trans*-retinoic acid concentrations by the consumption of carotenoid-rich vegetables. *Nutrition* 24:1224-1226.
- Briviba K, Bub A, Möseneder J, Schwedtle T, Hartwig A, and Watzl B (2008) No differences in DNA damage and antioxidant capacity between intervention groups of healthy, non-smoking men receiving 2, 5 or 8 servings/day of vegetables and fruit. *Nutr and Cancer* 60(2): 164-170.
- Rüfer C, Bub A, Möseneder J, Winterhalter P, Stütz M, Kulling S (2008) Pharmacokinetics of the soybean isoflavone daidzein in its aglycon and glucoside form in healthy men. *Am J Clin Nutr* 87:1314-23.
- Bub A, Möseneder J, Wenzel G, Rechkemmer G, Briviba K (2008) Zeaxanthin is bioavailable from genetically modified zeaxanthin-rich potatoes. *Eur J Nutr* 47(2): 99-103.
- Schnäbele K, Briviba K, Bub A, Pool-Zobel B-L, and G Rechkemmer (2008) Effects of carrot and tomato juice consumption on faecal markers relevant to colon carcinogenesis in humans. *Br J Nutr* 99:606-613.
- Rüfer C, Möseneder J, Briviba K, Rechkemmer G, Bub A (2008) Bioavailability of Astaxanthin Stereoisomers from Wild and Aquacultured Salmon in Healthy Men: a Randomized, Double-Blind Study. *Br J Nutr* 99:1048-1054.
- Briviba K, Stracke B, Rüfer C, Watzl B, Bub A (2007) Effect of consumption of organically and conventionally produced apples on antioxidant activity and DNA damage in humans. *J Agr Food Chem* 55: 7716-7721.
- Barth SW, Fährndrich Ch, Bub A, Watzl B, Will F, Dietrich H, Rechkemmer G, Briviba K (2007) Cloudy apple juice is more effective than apple polyphenols and an apple derived cloud fraction in a rat model of colon carcinogenesis. *J Agr Food Chem* 55: 1181-1185.
- Mayer-Miebach, E., Behnlian, D., Schuchmann, H.P., Bub A. (2007): Isomerisation of lycopene due to thermal treatment of carrot homogenates: increased bioavailability of total lycopene and generation of 5-cis-lycopene in the human intestine. In: *Thermal Processing of Food - Potential Health Benefits and Risks. Forschungsberichte (DFG), Monograph, 1. Ed. 02/2007, 380 Pages, Wiley-VCH, Weinheim (ISBN-10: 3-527-31909-3, ISBN-13: 978-3-527-31909-1)*
- Schmitt B, Wolters M, Kressel G, Hülsmann O, Ströhle A, Kühn-Velten N, Lichtinghagen R, Bub A, Barth SW, Stichenoth DO, Hahn A (2007) Effects of a combined supplementation with B vitamins and antioxidants on plasma levels of asymmetric dimethylarginine (ADMA) in subjects with elevated risk of cardiovascular disease. *Atherosclerosis* 193:168-176.
- Hofmann Th, Liegibel U, Winterhalter P, Bub A, Rechkemmer G, Pool-Zobel BL (2006) A reduction of oxidized DNA bases in leucocytes after intervention with polyphenol-rich fruit juices is associated with the delayed elevation of glutathione S-transferase P1 (hGSTP1) protein expression. *Mol Nutr Food Res* 50:1191-1200.
- Briviba K, Watzl B, Nickel K, Kulling S, Bös K, Rechkemmer G and A Bub (2005) A half-marathon and a marathon run induces oxidative DNA damage, reduces antioxidative capacity to protect DNA against strand breaks and modify immune function in hobby runners. *Redox Report* 10 (6) 325-331.
- Rüfer CE, Möseneder J, Bub A, Winterhalter P, Kulling SE (2005) Bioavailability of the soybean isoflavone daidzein in the aglycone and glucoside form. In: Rogers R (Hrsg.), *Proceedings of Euro Food Chem XIII, Plenum Publishers, New York, Vol. 1, 53-56*
- Sicilia T, A Bub, Rechkemmer G, Krämer K, Hoppe PP, and Kulling S (2005) Novel lycopene metabolites are detectable in plasma of peruminant calves after lycopene supplementation. *J Nutr* 135:2616-2621.
- Watzl B, Kulling S, Möseneder J, Barth SW and Bub A (2005) A 4-wk intervention with high intake of vegetables and fruit reduces plasma C-reactive protein in healthy, non-smoking men. *Am J Clin Nutr* 82:1052-1058
- Barth SW, Fährndrich C, Bub A, Rechkemmer G, Dietrich H, Watzl B, Will F, and K Briviba (2005) Cloudy apple juice decreases DNA damage, hyperproliferation and aberrant crypt foci development in the distal colon of DMH-initiated rats. *Carcinogenesis* 26:1414-1421.

- A. Bub, S Barth, B Watzl, K Briviba and G Rechkemmer (2005) Paraoxonase 1 Q192R (PON1-192) polymorphism is associated with reduced lipid peroxidation in healthy young men on a low carotenoid diet supplemented with tomato juice. *Br J Nutr* 93:291-297.
- Briviba K, Kulling S, Moeseneder J, Watzl B, Rechkemmer G and A. Bub, (2004) Effect of supplementation of a diet low in carotenoids with a tomato extract on endogenous levels of DNA single strand breaks in healthy men. *Carcinogenesis* 25:2373-2378.
- Briviba K, Schnäbele K, Rechkemmer G and A. Bub, (2004) Supplementation of diet low in carotenoids with tomato and carrot juice had no effect on lipid peroxidation in plasma and feces in healthy men. *J Nutr* 134:1081-1083.
- Watzl B, Bub A, Prezer G, Roser S, Barth SW, Rechkemmer G (2004) Daily moderate amounts of red wine or alcohol have no effect on the immune system of healthy men. *Eur J Clin Nutr* 58:40-45
- A. Bub, B. Watzl, M. Blockhaus, K. Briviba, H. Müller, B. L. Pool-Zobel and G. Rechkemmer (2003) Effect of fruit juice consumption on biomarkers of antioxidative status, immune status and DNA damage. *J Nutr Biochem* 14:90-98.
- Watzl B, Bub A, Briviba K, Rechkemmer G (2003) Supplementation of a low-carotenoid diet with tomato or carrot juice stimulates immune functions in healthy men. *Ann Nutr Metabol* 47:255-261.
- A. Bub, S. Barth, B. Watzl, K. Briviba, B. Herbert, P. Lührmann, M. Neuhäuser-Berthold, G. Rechkemmer (2002) Paraoxonase 1 Q192R (PON1-192) polymorphism is associated with reduced lipid peroxidation in R-allele-carrier but not in QQ homozygous elderly subjects on a tomato-rich diet. *Eur J Nutr* 41:237-243.
- Watzl B, Bub A, Briviba K, Rechkemmer G (2002) Acute intake of moderate amounts of red wine or alcohol has no effect on the immune system of healthy men. *Eur J Nutr* 41:264-270.
- A. Bub, B. Watzl, K. Briviba and G. Rechkemmer (2001) Malvidin-3-glucoside bioavailability in humans after ingestion of red wine, dealcoholized red wine and red grape juice. *Eur J Nutr* 40:113-120.
- A. Bub, B. Watzl, L. Abrahamse, H. Delincé, S. Adam, J. Wever, H. Müller and G. Rechkemmer (2000) Moderate intervention with carotenoid-rich vegetable products reduces lipid peroxidation in men. *J Nutr* 130:2200-2206.
- B. Watzl, A. Bub, M. Blockhaus, B. Herbert, P. Lührmann, M. Neuhäuser-Berthold, G. Rechkemmer (2000) Prolonged tomato juice consumption has no effect on cell-mediated immunity of well-nourished elderly men and woman. *J Nutr* 130: 1719-1723.
- B. L. Pool-Zobel, A. Bub, N. Schröder, G. Rechkemmer (1999) Anthocyanins are potent antioxidants in model systems but do not reduce endogenous oxidative DNA- damage in human colon cells. *Eur J Nutr* 38: 227-234.
- B. Watzl, A. Bub, G. Rechkemmer (1999) Modulation of human T-lymphocyte functions by the consumption of carotenoid-rich vegetables. *Br J Nutr* 82: 383-389.
- Müller H., Bub A, Watzl B., Rechkemmer G. (1999) Plasma concentrations of carotenoids in healthy volunteers after intervention with carotenoid-rich foods. *Eur J Nutr* 38(1): 25-44.
- B. L. Pool-Zobel, A. Bub, U.M. Liegibel, S. Treptow-van Lishaut, G. Rechkemmer (1998) Mechanisms by which vegetable consumption reduces genetic damage in humans. *Cancer Epidemiology, Biomarkers & Prevention*, 7:891-899.
- W. Schmidt, A. Bub, M Meyer, T. Weis, G. Schneider, N. Maassen, and W.G. Forssmann (1998) Is urodilatin the missing link in exercise-dependent renal sodium retention ? *J Appl Physiol* 84(1):123-128.
- B. L. Pool-Zobel, A. Bub, H. Müller, I. Wollowski, G. Rechkemmer (1997) Consumption of vegetables reduces genetic damage in humans: first results of a human intervention trial with carotenoid-rich foods. *Carcinogenesis* 18(9): 1847-1850
- Kruhøffer M, Bub A, Cieslak A, Adermann K, Kunstyr I, Forssmann W, Magert H (1997) Gene expression of aphrodisin in female hamster genital tract segments. *Cell Tissue Res* 287(1):153-160
- Schirlo C, Bub A, Reize C, Bühner A, Kohl J, and EA Koller (1997) Volume changes in the forearm and lower limbs during 2 h of acute hypobaric hypoxia in nonacclimatized subjects. *Eur J Appl Physiol* 75: 124-131.
- Bub A, Rechkemmer G, Hock D, W.G. Forssmann (1996) Secretion of a Urodilatin-like immunoreactive (URI-like-IR) substance from a human kidney cell line. *European Journal of Medical Research* 1(10) 479-483.
- Bub A, Rechkemmer G, Hock D, W.G. Forssmann (1996) Urodilatin secretion in salt loaded rats. *European Journal of Medical Research* 1(9) 417-424.
- Kirchhoff K, Bub A, Marxen P, Forssmann WG (1994) Urodilatin inhibits sodium reabsorption in the isolated perfused rat kidney. *Experimental Nephrology* 2:351-357.
- Hummel M, Kuhn M, Mann B, Bub A, Schneider B, Forssmann WG, Hetzer R (1993) Urodilatin, ein humanes renales Peptid zur Prophylaxe des akuten Nierenversagens nach Herztransplantation. *Z Herz- Thorax- Gefäßchir* 7: 90-98.

- Koller EA, Lesniewska B, Bühler A, Bub A, Kohl J (1993) The effect of acute altitude exposure in swiss high- and lowlanders. Eur J Appl Physiol 66: 146-154.
- Hummel M, Kuhn M, Bub A, Mann B, Schneider B, v. Eickstedt KW, Hetzer R, Forssmann WG (1993) Urodilatin a new therapy to prevent renal failure after heart transplantation. J Heart Lung Transpl 12: 209-218
- Drummer CH, Fiedler F, Bub A, Kleefeld D, Dimitriades E, Gerzer R, Forssmann WG (1993) Development and application of a Urodilatin (CDD/ANP 95-126)-specific Radioimmunoassay. Pflüger's Archiv 423:372-377.
- Hummel M, Kuhn M, Bub A, Bittner H, Kleefeld D, Marxen P, Schneider B, Hetzer R, Forssmann WG (1992) Urodilatin: a new peptide with beneficial effects in the postoperative therapy of cardiac transplant recipients. Clin Investig 70:674-682.
- Ledderhos C, Quies W, Bub A, Sanchez R (1992) Normotensive normoxic men undergoing water diuresis fail to respond with an increase of ANF plasma level during stimulation of their peripheral arterial chemoreceptors by almitrine. Eur J Appl Physiol 65(2):104-109.
- Saxenhofer H, Raselli A, Weidmann P, Forssmann WG, Bub A, Ferrari P, Shaw SG (1990) Urodilatin, a natriuretic factor from kidneys, can modify renal and cardiovascular function in men. Am J Physiol 259: F832-F838.
- Manzl G, Gewalt B, Bub A, Forssmann WG, Weicker H (1988) Der Einfluß von Höhe auf die sympathoadrenerge Regulation und das Renin-Aldosteron-System. Deutsche Zeitschrift für Sportmedizin, Sonderheft Oktober, 39: 19-26