

SCI Publication Record

Priv.-Doz. Mag. Dr. Manfred **LAMPRECHT**, PhD

Habilitation: Physiology

Otto Loewi Research Center,

Division of Physiological Chemistry

Medical University of Graz

Neue Stiftingtal Straße 6

8010 Graz

AUSTRIA

Green Beat – Institute of Nutrient Research

and Sports Nutrition, DDr. Lamprecht

Petersbergenstrasse 95b

8042 Graz

AUSTRIA

Phone: +436641328287

manfred.lamprecht@greenbeat.at

e-mail: manfred.lamprecht@medunigraz.at

Graz, April 2020

I. PUBLICATIONS LISTED IN SCIENCE CITATION INDEX/PUBMED

I.I.: Original articles in peer-reviewed journals, ranking in the top 20% of the specific JCR category

Chief-author and/or principal investigator:

- **Lamprecht M.**, Moussalli H., Ledinski G., Leschnik B., Schlagenhaut A., Koestenberger M., Polt G., Cvirn G.: Effects of a single bout of walking exercise on blood coagulation parameters in obese women. **Journal of Applied Physiology**, 115, 57 – 63, 2013.
- **Lamprecht M.**, Obermayer G., Steinbauer K., Cvirn G., Hofmann L., Ledinski G., Greilberger J.F., Hallstroem S.: Supplementation with a juice powder concentrate and exercise decrease oxidation and inflammation, and improve the microcirculation in obese women: randomised controlled trial data. **British Journal of Nutrition**, 16, 1-11, 2013.
- **Lamprecht M.**, Oettl K., Schwabinger G., Hofmann P., Greilberger J.: Protein modification responds to exercise intensity and antioxidant supplementation. **Medicine & Science in Sports & Exercise**, 41, 155 – 63, 2009.
- **Lamprecht M.**, Greilberger J.F., Schwabinger G., Hofmann P., Oettl K.: Single bouts of exercise affect albumin redox state and carbonyl groups on plasma protein of trained men in a workload dependent manner. **Journal of Applied Physiology**, 104, 1611 - 17, 2008.
- **Lamprecht M.**, Oettl K., Schwabinger G., Hofmann P., Greilberger J.: Several indicators of oxidative stress, immunity and illness improved in trained men consuming an encapsulated juice powder concentrate for 28 weeks. **Journal of Nutrition**, 137, 2737 – 41, 2007.

Co-author:

- Bresciani L., Martini D., Mena P., Tassotti M., Calani L., Brigati G., Brighenti F., Holasek S., Malliga D.-E., **Lamprecht M.**, DelRio D.: Absorption profile of (poly)phenolic compounds after consumption of three food supplements containing 36 different fruits, vegetables, and berries. [Nutrients](#), 9, 194, 2017; DOI: 10.3390/nu9030194.
- Stadlbauer V., Leber B., Lemesch S., Trajanoski S., Bashir M., Horvath A., Tawdrous M., Stojakovic T., Fauler G., Fickert P., Hoegenauer C., Klymiuk I., Stiegler P., **Lamprecht M.**, Pieber T.R., Tripolt N.J., Sourij H.: *Lactobacillus casei Shirota* supplementation does not restore gut microbiome composition and gut barrier in metabolic syndrome: a randomized pilot study. PONE-D-15-34426R1; [PLoS One](#), 28,10(10):e0141399, 2015.
- Mlekusch W., Tillian M., **Lamprecht M.**, Öttl K., Krainz H., Reibnegger G.: The life-shortening effect of reduced physical activity is abolished by a fat rich diet. [Mechanisms of Ageing and Development](#), 105, 61 – 73, 1998.
- Mlekusch W., Tillian M., **Lamprecht M.**, Trutnovsky H., Horejsi R., Reibnegger G.: The effect of reduced physical activity on longevity of mice. [Mechanisms of Ageing and Development](#), 88, 159 - 68, 1996.
- Mlekusch W., **Lamprecht M.**, Öttl K., Tillian M., Reibnegger G.: A glucose-rich diet shortens longevity of mice. [Mechanisms of Ageing and Development](#), 92, 43 - 51, 1996.

I.II.: Original articles in peer-reviewed journals, ranking from 20 to 39% of the specific JCR category

Chief-author and/or principal investigator:

- Dams S., Holasek S., Tsiountsioura M., Edelsbrunner M., Dietz P., Koefeler H., Malliga D.-E., Gürbüz A., Maier-Allard N., Poncza B., Lackner S., Schwarzenberger E., Jansenberger Y., **Lamprecht M.**: Effects of a plant-based fatty acid supplement and a powdered fruit, vegetable and berry juice concentrate on omega-3-indices and serum micronutrient concentrations in healthy subjects. [International Journal of Food Sciences and Nutrition](#), DOI:10.1080/09637486.2020.1725960, 2020.
- **Lamprecht M.**, Bogner S., Steinbauer K., Schuetz B., Greilberger J.F., Leber B., Wagner B., Zinser E., Petek T., Wallner-Liebmann S., Oberwinkler T., Bachl N., Schippinger G.: Effects of zeolite supplementation on parameters of intestinal barrier integrity, inflammation, redoxbiology and performance in aerobically trained subjects. [Journal of the International Society of Sports Nutrition](#), DOI:10.1186/s12970-015-0101-z; 12:40, 2015.
- **Lamprecht M.**, Bogner S., Schippinger G., Steinbauer K., Fankhauser F., Hallstroem S., Schuetz B., Greilberger J.F.: Probiotic supplementation affects markers of intestinal barrier, oxidation, and inflammation in trained men; a randomized double-blinded, placebo-controlled trial. [Journal of the International Society of Sports Nutrition](#), DOI: 10.1186/1550-2783-9-45, 9:45, 2012.

- **Lamprecht M.**, Hofmann P., Greilberger J.F., Schwabberger G.: Two weeks of antioxidant supplementation can increase lipid peroxidation in trained men. [International Journal of Sport Nutrition and Exercise Metabolism](#), 19, 385-99, 2009.

Co-author:

Tafeit E., Cvirn G., **Lamprecht M.**, Hohensinn M., Moeller R., Hamlin M., Horejsi R.: Using body mass index ignores the intensive training of elite special force personnel. [Experimental Biology and Medicine](#), DOI:10.1177/1535370219848986; 2019.

I.III.: Original articles in peer-reviewed journals, ranking from 40 to 60% of the specific JCR category

Co-author:

- Greilberger J., Koidl C., Greilberger J.F., **Lamprecht M.**, Schroecksadel K., Leblhuber F., Fuchs D., Oettl K.: Malondialdehyde, Carbonyl proteins and Albumin-disulfide as useful oxidative markers in Mild Cognitive and Alzheimer's disease. [Free Radical Research](#), 42, 633 - 8, 2008.
- Hinghofer-Szalkay H., Mekonen W., Rössler A., Schwabberger G., **Lamprecht M.**, Hofmann P.: Post-exercise decrease of plasma hyaluronan: increased clearance or diminished production? [Physiological Research](#), 51, 139 – 44, 2002.

I.IV.: Original articles in peer-reviewed journals, ranking below top 60% of the specific JCR category

Chief-author and/or principal investigator:

- Dams S., Holasek S. Tsiountsioura M., Malliga D.-E., Meier-Allard N., Poncza B., Lackner S., Jansenberger Y., **Lamprecht M.**: An encapsulated fruit, vegetable and berry juice powder concentrate increases plasma values of specific carotenoids and vitamins. [International Journal for Vitamin and Nutrition Research](#), 1 – 10, 2019; DOI:10.1024/0300-9831/a000609.
- **Lamprecht M.**, Mlekusch W., Vrecko K., Reibnegger G.: The influence of three different diet modes combined with defined exercise loads on neopterin concentrations in urine and in plasma - a longitudinal study. [Pteridines](#), Vol. 8, 211 - 15, 1997.

Co-author:

- Hofmann P., **Lamprecht M.**, Schwabberger G., Pokan R., von Duvillard S.P.: Einfluß unterschiedlicher Diätformen auf die Laktatleistungskurve im Stufentest und das Laktatverhalten bei Dauerbelastung auf dem Fahrradergometer - eine Einzelfallstudie. [Deutsche Zeitschrift für Sportmedizin](#), Jahrgang 49, Nr. 3, 80 - 85, 1998.

- Khoschorur GA., Tatzber F., Freigassner M., Tscheliessnigg KH., Iberer F., **Lamprecht M.**, Uranüs S., Petek W.: Inverse correlation of MDA and anti-Cu⁺⁺ oxidised LDL IgG antibodies in transplantation patients. [Medical Science Research](#), 24, 851 - 54, 1996.

I.V.: Review-articles and meta-analyses

Chief-author:

- **Lamprecht M.**, Obermayer G., Seebauer W.: [Influence of mixed fruit and vegetable concentrates on redox homeostasis and immune system of exercising people](#) (183 - 202); Lamprecht (Ed.); CRC Press, Taylor & Francis Group, Boca Raton, Florida, USA, 2015.
- **Lamprecht M.**, Frauwallner A.: Exercise, intestinal barrier dysfunction and probiotic supplementation. [Med Sport Sci](#), 59, 47-56, 2013; DOI: 10.1159/000342169.
- **Lamprecht M.**: Supplementation with mixed fruit and vegetable concentrates in relation to athlete's health and performance: scientific insight and practical relevance. [Med Sport Sci](#), 59, 70-85, 2013; DOI: 10.1159/000341960.
- **Lamprecht M.**, Greilberger J., Öttl K.: Analytical aspects of oxidatively modified substances in sports and exercises. [Nutrition](#), 20, 728 – 30, 2004.

Co-author:

- Lorenzoni G., Minto C., Vecchio M.G., Zec S., Paolin I., **Lamprecht M.**, Mestroni L., Gregori D.: Fruit and vegetable concentrate supplementation and cardiovascular health: a systematic review from a public health perspective. [Journal of Clinical Medicine](#), 8, 1914, 2019; DOI:10.3390/jcm8111914.
- Minto C., Vecchio M.G., **Lamprecht M.**, Gregori D.: Definition of a tolerable upper intake level of niacin: A meta-analysis of the dose-dependent effects of nicotinamide and nicotinic acid supplementation. [Nutrition Reviews](#), 75(6), 471 – 490, 2017.
- Nikolaidis M.G., Kerksick C.M., **Lamprecht M.**, McAnulty S.R.: Does vitamin C and E supplementation impair the favorable adaptations of regular exercise? [Oxidative Medicine and Cellular Longevity](#), Volume 2012 (2012) (special issue). Article ID: 707941, DOI: 10.1155/2012/707941.
- Nikolaidis M.G., Kerksick C.M., **Lamprecht M.**, McAnulty S.R.: Redox biology of exercise. [Oxidative Medicine and Cellular Longevity](#), Volume 2012 (2012) (special issue). Article ID: 407978, DOI: 10.1155/2012/407978.

II. ARTICLES NOT PUBLISHED IN SCI-JOURNALS BUT WITH ISBN/ISSN NUMBER

II.I.: Review-articles

Chief-author and/or principal investigator:

- **Lamprecht M.:** Oxidativer Stress und Antioxidantien beim sportlichen Training. Österreichisches Journal für Ernährungsmedizin, Jahrgang 12, Nr 3, 6 – 11, 2010. ISSN: 1680-9432
- **Lamprecht M., Prock P.:** Obst- und Gemüsesaftkonzentrate zur Nahrungsergänzung. Schweizer Zeitschrift für Ernährungsmedizin, Jahrgang 6, Nr 5, 47 – 52, 2008. ISSN: 1660-4695

II.II.: Articles in specialized books

Chief-author:

- **Lamprecht M.:** „Sport und Ernährung“, in: Kompendium der Sportmedizin; Wonisch, Hofmann, Förster et al. (editors); Springer Verlag, Wien – New York, 2017. ISBN: 978-3-211-99715-4
- **Lamprecht M., Smekal G.:** „Sport und Ernährung“, in: Kompendium der Sportmedizin; Pokan, Förster, Hofmann et al. (editors); Springer Verlag, Wien – New York, 2004. ISBN: 3-211-21253-1
- **Lamprecht M., Cvirn G., Matthai C.:** „Biologische Grundlagen der Sporternährung“, in: Lehrbuch der Sporternährung; Lamprecht, Holasek, Konrad et al. (editors); CLAX Verlag, Graz, 2017. ISBN: 978-3-9504395-0-2
- **Lamprecht M., Seemann A., Güttler B.R., Hoffman J.:** „Sportnahrung und -supplemente, in: Lehrbuch der Sporternährung; Lamprecht, Holasek, Konrad et al. (editors); CLAX Verlag, Graz, 2017. ISBN: 978-3-9504395-0-2
- **Lamprecht M.:** „Grundlagen der Redoxbiologie, Antioxidantien und Sport“, in: Lehrbuch der Sporternährung; Lamprecht, Holasek, Konrad et al. (editors); CLAX Verlag, Graz, 2017. ISBN: 978-3-9504395-0-2
- **Lamprecht M.:** „Risikomanagement von Sportnahrungsprodukten und Sportsupplementen“, in: Lehrbuch der Sporternährung; Lamprecht, Holasek, Konrad et al. (editors); CLAX Verlag, Graz, 2017. ISBN: 978-3-9504395-0-2

- **Lamprecht M.: „Die Sporternährungs-Uhren für Ausdauer- und Kraftsport“, in: Lehrbuch der Sporternährung**; Lamprecht, Holasek, Konrad et al. (editors); CLAX Verlag, Graz, 2017.
ISBN: 978-3-9504395-0-2

Co-author and/or senior author:

- Cvirn G., **Lamprecht M.: „Chemische Grundlagen der Ernährungslehre“, in: Lehrbuch der Sporternährung**; Lamprecht, Holasek, Konrad et al. (editors); CLAX Verlag, Graz, 2017.
ISBN: 978-3-9504395-0-2
- Seebauer W., Gunzer W., **Lamprecht M.: „Flüssigkeitsversorgung und Thermoregulation im Sport“, in: Lehrbuch der Sporternährung**; Lamprecht, Holasek, Konrad et al. (editors); CLAX Verlag, Graz, 2017.
ISBN: 978-3-9504395-0-2
- Seebauer W., Holasek S., Bergthaler J., **Lamprecht M.: „Ernährung in verschiedenen Sportkategorien und -arten“, in: Lehrbuch der Sporternährung**; Lamprecht, Holasek, Konrad et al. (editors); CLAX Verlag, Graz, 2017.
ISBN: 978-3-9504395-0-2
- Crepaz C., **Lamprecht M.: „Sporternährung für spezifische Personengruppen. Gender-Sporternährung: Vitamin D, Kalzium und Eisen“, in: Lehrbuch der Sporternährung**; Lamprecht, Holasek, Konrad et al. (editors); CLAX Verlag, Graz, 2017.
ISBN: 978-3-9504395-0-2

III. EDITORIALS AND PROCEEDINGS

- **Lamprecht M.** (editor-in-chief): Lehrbuch der Sporternährung. Clax Publishers, Graz, Austria, March 2017.
- **Lamprecht M.** (editor-in-chief): Antioxidants in Sport Nutrition. CRC Press/Taylor & Francis, Boca Raton, Florida, USA, 2015.
- **Lamprecht M.** (editor-in-chief): Acute Topics in Sport Nutrition. Karger Publishers Inc., Basel, Switzerland. Med Sport Sci Vol. 59, 2012. ISBN 978-3-8055-9992-4, e-ISBN 978-3-8055-9993-1.
- **Lamprecht M., Prock P.** (guest editors): Abstracts and Posters of the 8th Annual Conference of the European Nutraceutical Association (ENA), „Nutraceuticals and Brain Health“, November 3rd, 2012, Munich, Germany. Annals of Nutrition and Metabolism, 61, 1-15, 2012; DOI: 10.1159/000343769.
- **Nikolaidis M.G., Kerksick C.M., Lamprecht M., McAnulty S.R.** (guest-editors): Redox biology of exercise. Hindawi Publishing Corporation, New York, USA. Oxidative Medicine and Cellular Longevity, Volume 2012 (2012) (special issue); DOI: 10.1155/2012/407978.

- **Lamprecht M., Prock P.** (guest editors): Abstracts and Posters of the scientific conference of the European Nutraceutical Association (ENA), „Scientific Aspects of Weight Management“, March 10th, 2012, Dresden, Germany. [Annals of Nutrition and Metabolism](#), 60, 129, 2012.
- **Lamprecht M.:** Editorial representative of the European Nutraceutical Association, and editorial board member at [Annals of Nutrition and Metabolism](#) (since 2011), Karger Publishers, Basel Switzerland.
- **Lamprecht M.:** Editorial board member of [Current Topics in Nutraceutical Research](#) (since 2011), New Century Health Publishers, Coppell, Texas, USA.
- **Lamprecht M., Prock P.** (guest editors): Abstracts and Posters of the 7th Annual Conference of the European Nutraceutical Association (ENA), „Nutraceuticals and Women’s Health“, March 12th, 2011, Munich, Germany. [Annals of Nutrition and Metabolism](#), 58, 49–58, 2011.
- **Lamprecht M., Prock P.** (guest editors): Abstracts and Posters of the 6th Annual Conference of the European Nutraceutical Association (ENA), „Nutraceuticals and Obesity“, March 13th, 2010, Vienna, Austria. [Clinical Nutrition Supplements](#), Vol. 5, S1, 1 - 16, 2010.

IV. SCIENTIFIC ABSTRACTS

IV.I.: In SCI listed journals

Chief-author:

- **Lamprecht M., Bogner S., Wallner-Liebmann S., Steinbauer K., Schuetz B., Schippinger G.:** Zeolite supplementation has beneficial effects on gut wall integrity in endurance trained subjects. [FASEB Journal](#) 29:733.7, 2015.
- **Lamprecht M., Bogner S., Schippinger G., Steinbauer K., Fankhauser F., Hallstroem S., Schuetz B., Greilberger J.F.:** Probiotic supplementation affects markers of intestinal barrier, oxidation, and inflammation in trained men. [Annals of Nutrition and Metabolism](#), 61, 8, 2012.
- **Lamprecht M., Obermayer G., Greilberger J.F., Steinbauer K., Hofmann L., Hallstroem S., Juergens G., Cvirn G.:** Influence of an encapsulated fruit and vegetable concentrate and walking exercise on oxidative stress, inflammation, and blood flow in overweight women. [Annals of Nutrition and Metabolism](#), 60, 6, 2012.
- **Lamprecht M., Greilberger J., Hofmann P., Schwabberger G., Oettl K.:** Does supplementation with a fruit-, vegetable-, and berry-concentrate affect post exercise IL-6 concentration? [Clinical Nutrition Supplements](#), Vol. 5, S1, 10, 2010.
- **Lamprecht M., Oettl K., Schwabberger G., Hofmann P., Pittner R., Greilberger J.:** Powdered fruit and vegetable juice concentrates attenuate carbonyl proteins and TNF-alpha in trained men. [Medicine & Science in Sports & Exercise](#), 39(5), S159, 2007.

- **Lamprecht M., Oettl K., Schwabberger G., Hofmann P., Greilberger.:** Supplementation mit Obst- und Gemüsekonzentrat vermindert die oxidative Proteinschädigung und die Konzentration des Zytokins TNF- α . [Deutsche Zeitschrift für Sportmedizin](#), Jahrgang 58, Nr. 7/8, 203, 2007.
- **Lamprecht M., Greilberger J., Hofmann P., Schwabberger G., Mlekusch W.:** Supplementation with antioxidants attenuates glutathione peroxidase activities at rest, during and after endurance exercise. [Isokinetics and Exercise Science](#), Vol. 14, No. 2, 164 - 65, 2006.
- **Lamprecht M., Hofmann P., Schwabberger G.:** Supplementation with antioxidants has no influence on oxygen uptake and lactate concentrations in a cycle ergometer step test. [Isokinetics and Exercise Science](#), Vol. 14, No. 2, 186 - 87, 2006.
- **Lamprecht M., Öttl K., Schwabberger G., Hofmann P., Greilberger J.** Supplementation with mixed fruit and vegetable juice concentrates attenuates oxidative stress markers in trained athletes. [Medicine & Science in Sports & Exercise](#), 37(5), S46, 2005.
- **Lamprecht M., Mlekusch W., Reibnegger G., König J., Elmadfa I., Hofmann P., Schwabberger G., Khoschsorur G.A.:** Antioxidant status during exercise and the effect of vitamin supplementation. [BioFactors](#), Special Issue "Oxidative Stress and Atherogenesis", Vol. 6, No. 2, 252 – 53, 1997.

Co-author and/or senior author:

- Dams S., Holasek S., Malliga D., Gürbüz A., Jansenberger Y., Schwarzenberger E., **Lamprecht M.:** A plant-based fatty acid food supplement can increase erythrocytes' omega-3-index. [Current Developments in Nutrition](#), June 13;3(Suppl 1); doi: 10.1093/cdn/nzz031.P06-012-19; June 2019.
- Tsiountsioura M., Gregori D., Spirk S., Holasek S., **Lamprecht M.:** Long-term effects of two plant-based dietary supplements on low-grade inflammation, cardiovascular disease prevention and indicators of biological aging. [Current Developments in Nutrition](#), June 13;3(Suppl 1); doi: 10.1093/cdn/nzz031.P06-080-19; June 2019.
- Gregori D., Baldi I., Lorenzoni G., Tsiountsioura M., **Lamprecht M.:** Comparative effectiveness of supplementation with a juice powder concentrate: the challenge of multiplicity and propensity score matching. [Current Developments in Nutrition](#), June 13;3(Suppl 1); doi: 10.1093/cdn/nzz031.P06-073-19; June 2019.
- Dams S., **Lamprecht M.**, Holasek S.J., Maier-Allard N., Ponczar B., Jansenberger Y., Malliga D.-E.: Bioavailability of carotenoids and specific vitamins of a commercially available fruit-, berry- and vegetable- juice concentrate. [FASEB Journal](#), 31:1, Suppl 801.2, April 2017.
- Gregori D., Vecchio M.G., Minto C., Zec S., **Lamprecht M.** The role of fruit and vegetable concentrates in alleviating the growing burden of cardiovascular diseases in USA: Evidence from a Simulation Study [FASEB Journal](#), 31:1, Suppl IB442, April 2017.

- Oberwinkler T., **Lamprecht M.**, Bogner S, Greilberger J.F., Schuetz B., Petek T., Bachl N., Schippinger G.: Zeolite supplementation affects intestinal barrier integrity of endurance trained subjects, accompanied by anti-inflammatory effects. [European Journal of Sport Science](#), 2015.
- Obermayer G., Steinbauer K., Hofmann L., Hallstroem S., Ledinski G., Greilberger J.F., **Lamprecht M.**: Effects of a juice powder concentrate and walking exercise on systemic markers of oxidation, inflammation and skin microcirculation in obese women. [Annals of Nutrition and Metabolism](#), 61, 10-11, 2012.
- Kellermayr G., Kellin S., Greilberger J., **Lamprecht M.**: Supplementation with athletic performance formula decreases lactate concentrations in trained athletes after exhausting incremental cycle ergometer test. [Clinical Nutrition Supplements](#), Vol. 5, S1, 9, 2010.
- Oettl K., Schwaberg G., Hofmann P., Greilberger J.F., **Lamprecht M.**: Redox state of human serum albumin and plasma protein carbonyl groups – influence of exercise and juice powder supplementation. [Free Radical Research](#), October 2008, Suppl.
- Mekonen W., Schwaberg G., **Lamprecht M.**, Hofmann P.: Antioxidant vitamin intake on postprandial lipemia during exercise and recovery. [Isokinetics and Exercise Science](#), Vol. 14, No. 2, 187 - 88, 2006.
- Seibert F.J., Hofmann P., **Lamprecht M.**, Khoschsorur G.A., Rabl H., Pokan R., Hofer H.P.: Influence of parenteral vitamin C on oxidative stress during an incremental cycle ergometer test in young male subjects. [BioFactors](#), Special Issue “Oxidative Stress and Atherogenesis”, Vol. 6, No. 2, 275 - 76, 1997.
- Khoschsorur G.A., Tatzber F., Freigassner M., **Lamprecht M.**, Iberer F., Petek W.: Inverse Correlation of MDA and anti-Cu⁺⁺ oxidized LDL IgG antibodies in transplantation patients. [BioFactors](#), Special Issue “Oxidative Stress and Atherogenesis”, Vol. 6, No. 2, 245 – 46, 1997.

IV.II.: Abstracts in papers with ISBN/ISSN number

Chief-author:

- **Lamprecht M.**: Antioxidants & Sport Nutrition. [Proceedings of the international scientific conference on nutraceuticals and functional foods, Food and Function 2011](#), Kosice, Slovakia, 2011, (Abstract-ISBN: 978-80-970168-9-0)
- **Lamprecht M.**: Sportliche Belastung, Radikalstoffwechsel und Ernährung. [Austrian Journal of Cardiology](#), Vol. 16, No. 9-10, 354, 2009. (Journal-ISSN: 1024-0098)
- **Lamprecht M.**: Fruit and vegetable concentrates: review and guidelines for clinical practice. [Abstract book of the European Nutraceutical Association- \(ENA\) conference: “Nutraceuticals: Proven and New”](#), Wiesbaden, Germany, 2009. (Abstract-ISBN: 978-3-033-01906-5)

- **Lamprecht M.**, Oettl K., Schwabberger G., Hofmann P., Greilberger J.: Protein modification responds to exercise intensity and antioxidant supplementation. [Abstract book of the 13th European College of Sport Science \(ECSS\) Congress](#), Estoril, Portugal, 2008. (Abstract-ISBN: 978-972-735-156-5)
- **Lamprecht M.**, Oettl K., Schwabberger G., Hofmann P., Greilberger J.: Effects of antioxidant supplementation on markers of oxidative stress and immunity in trained men. [Abstract book of the 12th European College of Sport Science \(ECSS\) Congress](#), Jyväskylä, Finland, 2007. (Abstract-ISBN: 978-951-790-242-7)
- **Lamprecht M.:** Ernährung, Oxidativer Stress und Sport. [Ernährung und Medizin](#), 3, 140 - 42, 2005. (Journal-ISSN: 1439-1635)
- **Lamprecht M.**, Mlekusch W., Hofmann P., Schwabberger G., Koschsorur G.A., Reibnegger G.: Freie Radikale bei unterschiedlichen Belastungsformen und Vitaminsupplementation. [Österreichisches Journal für Sportmedizin](#), 32(4), 33-35, 2002. (Journal-ISSN: 1012 -3156)
- **Lamprecht M.**, Mlekusch W., Reibnegger G., König J., Elmadfa I., Hofmann P., Schwabberger G., Khoschsorur G.A.: The influence of vitamin supplementation on several blood parameters of antioxidative status during strenuous exercise. [Abstract book of the 2nd European College of Sport Science \(ECSS\) Congress](#), Copenhagen, Denmark, 1997. (Abstract-ISBN: 87-90170-10-5)

Co-author and/or senior author:

- Mena P., Bresciani L, Martini D., Tassotti M., Brighenti F., Holasek S., Malliga D.-E., **Lamprecht M.**, DelRio D.: Absorption profile of (poly)phenolic compounds after consumption of three food supplements containing 36 different fruits, vegetables, and berries. [Abstract book of the “11th World Congress on Polyphenols Applications”](#), Vienna, Austria, 2017. (Abstract book in press)
- Greilberger J., Schwabberger G., Hofmann P., **Lamprecht M.:** Two weeks of antioxidant supplementation can increase lipid peroxidation in trained men. [Abstract book of the European Nutraceutical Association- \(ENA\) conference: “Nutraceuticals: Bewährtes und Neues”](#), Wiesbaden, Germany, 2009. (Abstract-ISBN: 978-3-033-01906-5)
- Greilberger J., Oettl K., Schwabberger G., Hofmann P., **Lamprecht M.:** Oxidative protein damage in plasma occurs after bicycle ergometer step test in subjects with deficient fruit and vegetable intake. [Abstract book of the European Nutraceutical Association- \(ENA\) conference: “Nutraceuticals: Bewährtes und Neues”](#), Wiesbaden, Germany, 2009. (Abstract-ISBN: 978-3-033-01906-5)

IV.III.: Abstracts in papers without ISBN number

Chief-author:

- **Lamprecht M.:** Intestinal barrier dysfunction, probiotic supplementation and sports performance. [Probiotech & Microbiota 2013](#), February 5th-6th 2013, Brussels, Belgium (Abstract-issue).

- **Lamprecht M.**, Bogner S., Schippinger G., Steinbauer K., Fankhauser F., Hallstroem S., Schuetz B., Koning C.J.M., Greilberger J.F.: Influence of probiotic supplementation and intense exercise on markers of intestinal barrier function, oxidation and inflammation in trained men. 14th Gut Day Symposium, November 9th, 2012, Leuven, Belgium (Abstract-issue).
- **Lamprecht M.**, Obermayer G., Steinbauer K., Hofmann L., Hallstroem S., Ledinski G, Greilberger J.F.: Influence of an encapsulated fruit, berry and vegetable juice concentrate and walking exercise on oxidative stress, inflammation and skin microcirculation in overweight and obese women. Oxygen Club of California (OCC) World Congress, Alba, Italy, 2012. (OCC-Abstract-issue)
- **Lamprecht M.**, Greilberger J.F., Schwabegger G., Hofmann P., Oettl K.: Single bouts of exercise affect albumin redox state and carbonyl groups on plasma protein of trained men in a workload dependent manner. Trilateral Symposium of Physiology, Graz, Austria, 2008. (TSP-Abstract-issue)
- **Lamprecht M.:** Powdered fruit and vegetable juice concentrate attenuates carbonyl proteins and TNF-alpha in trained men. European Nutraceutical Association-(ENA) conference: “Nutraceuticals in Sports”, Stuttgart, Germany, 2008. (ENA-Abstract-issue)
- **Lamprecht M.**, Mlekusch W., Reibnegger G., König J., Elmadfa I., Hofmann P., Schwabegger G., Khoschsorur G.A.: The influence of defined exercise loads in combination with vitamin supplementation on the antioxidative status of blood. IBC - Joint Meeting of Clinical Biochemists: „Medical Laboratory and Sport“, Abano Terme, Padova, Italy, 1997. (Reports of the ÖGKC 1997: 34)

Co-author and/or senior author:

- Gregori D., Lorenzoni G., Gallipoli S., **Lamprecht M.:** Role of fruit and vegetable concentrates on the cardiovascular health of subjects with obesity. 34th Annual Meeting of the American Society for Metabolic and Bariatric Surgery, presented at Obesity Week 2019, Las Vegas, USA, 2019. (ASMBS-Abstract-issue)
- Greilberger J., Koidl C., Greilberger M., **Lamprecht M.**, Schroecksnadel K., Leblhuber F., Fuchs D., Öttl K.: Protein modifications in neurodegenerative disease. 3rd International Symposium of the Human Nutrition & Metabolism Research and Training Center (HNMRTC): “Reactive Oxygen Species & Antioxidants: From Biochemistry to Human Disease”, Graz, Austria, 2007. (HNMRTC-Abstract-issue)
- Mekonen W., Schwabegger G., Gries A., Hinghofer-Szalkay H., **Lamprecht M.**, Hofmann P.: The influence of plasma volume changes on lipoprotein fractions following maximal, intensive and extensive sub-maximal exercise intensities. IBC - Joint Meeting of Clinical Biochemists: „Medical Laboratory and Sport“, Abano Terme, Padova, Italy, 1997. (Reports of the ÖGKC 1997: 35)
- Gries A., Kokelj M., Mekonen W., **Lamprecht M.**, Schwabegger G.: Wechselwirkung zwischen Triglyceriden und Lipoprotein(a) im Plasma – Vergleich zwischen akuter

und langzeitiger Fettbelastung. **6. Atherosklerose-Symposium**, Erfurt, Germany, 1997. (Abstract-issue)

- Gries A., Mekonen W., **Lamprecht M.**, Mlekusch W., Kellner J.M., Schwabberger G.: Einfluß von Antioxidantien auf Lipoprotein (a) im Plasma. **5. Atherosklerose-Symposium**, Erfurt, Germany, 1996. (Abstract-issue)
- Gries A., Mekonen W., **Lamprecht M.**, Mlekusch W., Kellner J.M., Schwabberger G.: Einfluß von Vitaminsupplementierung auf Lipoproteine im Plasma. **Tagung der Österreichischen Physiologischen Gesellschaft**, Vienna, Austria, 1996. (ÖPG-Abstract-issue)

V. SCIENTIFIC TALKS AND POSTERPRESENTATIONS

V.I. Talks in Austria

- „Spezielle Sportsupplemente“. **1. Symposium der Österreichischen Gesellschaft für Sporternährung**, 28. April 2016, Graz, Austria
- „Darmwandbeeinträchtigung im Sport – Die Rolle von Probiotika“. **2. Wiener Darmtag**, 14. Dezember 2013, Vienna Austria
- „Kohlenhydrate und Eiweißversorgung im Leistungssport“. **1. Nationales Symposium der Österreichischen Gesellschaft für Sporternährung**, 6. November 2013, Graz, Austria (keynote lecture).
- „Probiotika im Sport“ – state of the art 2012. **8. Internationales Symposium der Österreichischen Gesellschaft für Probiotische Medizin (OePROM) „Probiotika in Prävention und Therapie – 2012“**, 1. Dezember 2012, Vienna, Austria (keynote lecture).
- „Höhentraining und Radikalstoffwechsel“. **15. Alpinmedizinisches Symposium der Arbeitsgemeinschaft für Alpinmedizin**, 24. September 2010, Dachstein/Ramsau, Austria.
- „Sportliche Belastung, Radikalstoffwechsel und Ernährung“. **Arbeitsgemeinschaft für Theoretische und Klinische Leistungsmedizin und Arbeitsgemeinschaft für ambulante kardiologische Prävention und Rehabilitation (ATKL-AGAKAR-) Symposium, “Von der Physiologie zur Pathologie in der internistischen Prävention und Rehabilitation”**, Vienna, Austria, 2009.
- “Freie Radikale bei unterschiedlichen Belastungsformen und Vitaminsupplementation“. **Arbeitsgemeinschaft für Theoretische und Klinische Leistungsmedizin- (ATKL) Symposium – Update Ernährung Supplementation im Sport**, Vienna, Austria, 2002.
- „The influence of three different diet modes combined with defined exercise loads on urinary neopterin concentrations – a longitudinal study“. **16th Winterworkshop on**

Clinical, Chemical, and Biochemical Aspects of Pteridines, St. Christoph/Arlberg, Austria, 1997.

V.II. Talks outside of Austria

- „Run for your life – exercise and health“. **Autumn Meeting of the British Society of Periodontology**, 22nd – 23rd September 2014, Birmingham, UK.
- „Intestinal barrier dysfunction, probiotic supplementation and sports performance“. **Probiotech and Microbiota 2013**, February 5th-6th, 2013, Brussels, Belgium (keynote lecture).
- „Influence of probiotic supplementation and intense exercise on markers of oxidation, inflammation and intestinal barrier“. **XXXII World Congress of Sports Medicine**, September 27th-30th, 2012, Rome, Italy.
- „Influence of an encapsulated fruit, berry and vegetable juice concentrate and walking exercise on oxidative stress and skin microcirculation in overweight women“. **Scientific conference of the European Nutraceutical Association (ENA), „Scientific Aspects of Weight Management“**, March 10th, 2012, Dresden, Germany (keynote lecture).
- „Antioxidants & Sport Nutrition“. **International scientific conference on nutraceuticals and functional foods, Food and Function 2011**, Kosice, Slovakia, 2011 (keynote lecture).
- „Protein Modification in Exercise and Effects of Nutraceutical Use“. **1st national DNA (Dutch Nutraceutical Association) Symposium**, Amsterdam, Netherlands, 2010 (keynote lecture).
- „Exercise, Protein Modification and Antioxidants“. **The American Nutraceutical Association's (ANA) „Nutraceuticals and Medicine“ spring conference**, Long Beach, California, USA, 2009 (keynote lecture).
- „Obst- und Gemüsesaftkonzentrate: Review und Empfehlungen für die Praxis“. **5th Annual Conference of the European Nutraceutical Association (ENA)**, Wiesbaden, Germany, 2009 (keynote lecture).
- „Oxidative Stress, Antioxidants and Exercise“. **The American Nutraceutical Association's (ANA) „Nutraceuticals and Medicine“ spring conference**, Phoenix, Arizona, USA, 2008 (keynote lecture).
- „Pulverisierte Obst- und Gemüsekonzentrate reduzieren Carbonylproteine und TNF-alpha bei trainierten Männern“. **4th Annual Conference of the European Nutraceutical Association (ENA)**, Stuttgart, Germany, 2008 (keynote lecture).
- „Supplementation with fruit and vegetable concentrate reduces oxidative stress and stabilizes immunity in trained men“. **Curso Internacional Sobre Nutricion y Deporte**, Barcelona, Spain, 2007 (keynote lecture).

- „Ernährung, Oxidativer Stress und Sport“. Symposium der Landesärztekammer Hessen und des Bonner Fördervereins für Diätetik (BFD), Wiesbaden, Germany, 2005.

V.III. Posterpresentations in Austria

Presenter or Principal investigator of the study:

- **Lamprecht M.**, Greilberger J., Hofmann P., Schwabberger G., Oettl K.: Does supplementation with a fruit-, vegetable-, and berry-concentrate affect post exercise IL-6 concentration? 6th Annual Conference of the European Nutraceutical Association (ENA), Vienna, Austria, 2010
- **Lamprecht M.**, Greilberger J.F., Schwabberger G., Hofmann P., Oettl K.: Single bouts of exercise affect albumin redox state and carbonyl groups on plasma protein of trained men in a workload dependent manner. Trilateral Symposium of Physiology, Graz, Austria, 2008.
- **Lamprecht M.**, Greilberger J., Hofmann P., Schwabberger G., Mlekusch W.: Supplementation with antioxidants attenuates glutathione peroxidase activities at rest, during and after endurance exercise. 4th European Interdisciplinary Society for Clinical and Sports Applications (EISCSA) and Austrian Working Group for Theoretical and Clinical Exercise Medicine (ATKL) Congress, Graz, Austria, 2006.
- **Lamprecht M.**, Hofmann P., Schwabberger G.: Supplementation with antioxidants has no influence on oxygen uptake and lactate concentrations in a cycle ergometer step test. 4th European Interdisciplinary Society for Clinical and Sports Applications (EISCSA) and Austrian Working Group for Theoretical and Clinical Exercise Medicine (ATKL) Congress, Graz, Austria, 2006.
- **Lamprecht M.**, Mlekusch W., Reibnegger G., König J., Elmadfa I., Hofmann P., Schwabberger G., Khoschsorur G.A.: Antioxidant status during exercise and the effect of vitamin supplementation. Workshop “Oxidative Stress”, Society of Free Radical Research and Austrian Biochemical Society, Seggauberg, Austria, 1996.

Co-investigator:

- Bresciani L., Rosi A., Mena P., Martini D., Tassotti M., Brighenti F., Holasek S., Malliga D.-E., **Lamprecht M.**, DelRio D.: Absorption profile of (poly)phenolic compounds after consumption of three food supplements containing 36 different fruits, vegetables, and berries. 11th World Congress on Polyphenols Applications, Vienna, Austria, 2017.
- Kellermayr G., Kellin S., Greilberger J., **Lamprecht M.**: Supplementation with athletic performance formula decreases lactate concentrations in trained athletes after exhausting incremental cycle ergometer test. 6th Annual Conference of the European Nutraceutical Association (ENA), Vienna, Austria, 2010
- Mekonen W., Schwabberger G., **Lamprecht M.**, Hofmann P.: Antioxidant vitamin intake on postprandial lipemia during exercise and recovery. 4th European

Interdisciplinary Society for Clinical and Sports Applications (EISCSA) and Austrian Working Group for Theoretical and Clinical Exercise Medicine (ATKL) Congress, Graz, Austria, 2006.

- Gries A., Mekonen W., **Lamprecht M.**, Schwabberger G.: Influence of different training adaptation on plasma lipids and lipoproteins and effect of vitamin supplementation. **Jahrestagung der Österreichischen Atherosklerosegesellschaft,** Dürnstein, Österreich, 1997.
- Gries A., Mekonen W., **Lamprecht M.**, Mlekusch W., Kellner J.M., Schwabberger G.: Einfluß von Vitaminsupplementierung auf Lipoproteine im Plasma. **Tagung der Österreichischen Physiologischen Gesellschaft,** Vienna, Austria, 1996.
- Seibert F.J., Hofmann P., **Lamprecht M.**, Khoschsorur G.A., Rabl H., Pokan R., Hofer H.P.: Influence of parenteral vitamin C on oxidative stress during an incremental cycle ergometer test in young male subjects. **Workshop “Oxidative Stress”, Society of Free Radical Research and Austrian Biochemical Society,** Seggau, Austria, 1996.
- Khoschsorur G.A., Tatzber F., Freigassner M., **Lamprecht M.**, Iberer F., Petek W.: Inverse Correlation of MDA and anti-Cu⁺⁺ oxidized LDL IgG antibodies in transplantation patients. **Workshop “Oxidative Stress”, Society of Free Radical Research and Austrian Biochemical Society,** Seggau, Austria, 1996.

V.IV. Poster presentations outside of Austria

Presenter or Principal investigator of the study:

- Dams S., Holasek S., Malliga D., Gürbüz A., Jansenberger Y., Schwarzenberger E., **Lamprecht M.**: A plant-based fatty acid food supplement can increase erythrocytes' omega-3-index. **Nutrition 2019,** Baltimore, USA.
- Tsiountsioura M., Gregori D., Spirk S., Holasek S., **Lamprecht M.**: Long-term effects of two plant-based dietary supplements on low-grade inflammation, cardiovascular disease prevention and indicators of biological aging. **Nutrition 2019,** Baltimore, USA.
- Gregori D., Baldi I., Lorenzoni G., Tsiountsioura M., **Lamprecht M.**: Comparative effectiveness of supplementation with a juice powder concentrate: the challenge of multiplicity and propensity score matching. **Nutrition 2019,** Baltimore, USA.
- **Lamprecht M.**, Bogner S., Wallner-Liebmann S., Steinbauer K., Schuetz B., Schippinger G.: Zeolite supplementation has beneficial effects on gut wall integrity in endurance trained subjects. **Experimental Biology 2015,** March 28th – April 1st, Boston, USA.
- **Lamprecht M.**, Bogner S., Schippinger G., Steinbauer K., Fankhauser F., Hallstroem S., Schuetz B., Koning C.J.M., Greilberger J.F.: Influence of probiotic supplementation and intense exercise on markers of intestinal barrier function,

oxidation and inflammation in trained men. [14th Gut Day Symposium](#), November 9th, 2012, Leuven, Belgium.

- **Lamprecht M.**, Bogner S., Schippinger G., Steinbauer K., Fankhauser F., Hallstroem S., Schuetz B., Koning C.J.M., Greilberger J.F.: Probiotic supplementation affects markers of intestinal barrier, oxidation, and inflammation in trained men. [8th Annual Meeting of the European Nutraceutical Association \(ENA\)](#), November 3rd, 2012, Munich, Germany.
- **Lamprecht M.**, Bogner S., Schippinger G., Steinbauer K., Fankhauser F., Hallstroem S., Schuetz B., Koning C.J.M., Greilberger J.F.: Influence of probiotic supplementation and intense exercise on markers of oxidation, inflammation and intestinal barrier. [XXXII World Congress of Sports Medicine \(FIMS-congress\)](#), September 27th-30th, 2012, Rome, Italy.
- **Lamprecht M.**, Obermayer G., Steinbauer K., Hofmann L., Hallstroem S., Ledinski G., Greilberger J.F.: Influence of an encapsulated fruit, berry and vegetable juice concentrate and walking exercise on oxidative stress, inflammation and skin microcirculation in overweight and obese women. [Oxygen Club of California \(OCC\) World Congress](#), Alba, Italy, 20-23 June 2012.
- **Lamprecht M.**, Oetl K., Schwabberger G., Hofmann P., Greilberger.: Protein modification responds to exercise intensity and antioxidant supplementation. [13th European College of Sport Science \(ECSS\) Congress](#), Estoril, Portugal, 2008.
- **Lamprecht M.**, Oetl K., Schwabberger G., Hofmann P., Pittner R., Greilberger J.: Powdered fruit and vegetable juice concentrates attenuate carbonyl proteins and TNF-alpha in trained men. [The American College of Sports Medicine's \(ACSMs\) 54th Annual Meeting](#), New Orleans, Louisiana, USA, 2007.
- **Lamprecht M.**, Oetl K., Schwabberger G., Hofmann P., Greilberger.: Supplementation mit Obst- und Gemüsekonzentrat vermindert die oxidative Proteinschädigung und die Konzentration des Zytokins TNF- α . [40. Deutscher Sportärztekongress](#), Cologne, Germany, 2007.
- **Lamprecht M.**, Oetl K., Schwabberger G., Hofmann P., Greilberger J.: Effects of antioxidant supplementation on markers of oxidative stress and immunity in trained men. [12th European College of Sport Science \(ECSS\) Congress](#), Jyväskylä, Finland, 2007.
- **Lamprecht M.**, Öttl K., Schwabberger G., Hofmann P., Greilberger J. Supplementation with mixed fruit and vegetable juice concentrates attenuates oxidative stress markers in trained athletes. [The American College of Sports Medicine's \(ACSMs\) 52nd Annual Meeting](#), Nashville, Tennessee, USA, 2005.
- **Lamprecht M.**, Mlekusch W., Reibnegger G., König J., Elmadfa I., Hofmann P., Schwabberger G., Khoschsorur G.A.: The influence of defined exercise loads in combination with vitamin supplementation on the antioxidative status of blood. [IBC - Joint Meeting of Clinical Biochemists: „Medical Laboratory and Sport“](#), Abano Terme, Padova, Italy, 1997.

- **Lamprecht M.**, Mlekusch W., Reibnegger G., König J., Elmadfa I., Hofmann P., Schwabberger G., Khoschsorur G.A.: The influence of vitamin supplementation on several blood parameters of antioxidative status during strenuous exercise. 2nd European College of Sport Science (ECSS) Congress, Copenhagen, Denmark, 1997.

Co-investigator:

- Gregori D., Lorenzoni G., Gallipoli S., **Lamprecht M.**: Role of fruit and vegetable concentrates on the cardiovascular health of subjects with obesity. 34th Annual Meeting of the American Society for Metabolic and Bariatric Surgery, presented at Obesity Week 2019, November 3rd – November 7th, Las Vegas, USA, 2019.
- Michalak J., Hernandez M., Laws A., **Lamprecht M.**, Paxton R., Jones L.A., Bodurka D., Hajek R.A.: The potential impact of dietary intervention/counselling on recurrence-free and overall survival in ovarian cancer patients: Results from an observational study. Annual Meeting of the American Society of Clinical Oncology (ASCO) 2018, June 1st – June 5th, Chicago, USA.
- Dams S., **Lamprecht M.**, Holasek S.J., Maier-Allard N., Ponczar B., Jansenberger Y., Malliga D.-E.: Bioavailability of carotenoids and specific vitamins of a commercially available fruit-, berry- and vegetable- juice concentrate. Experimental Biology 2017, April 22nd – April 26th, Chicago, USA.
- Gregori D., Vecchio M.G., Minto C., Zec S., **Lamprecht M.** The role of fruit and vegetable concentrates in alleviating the growing burden of cardiovascular diseases in USA: Evidence from a Simulation Study. Experimental Biology 2017, April 22nd – April 26th, Chicago, USA.
- Oberwinkler T., **Lamprecht M.**, Bogner S, Greilberger J.F., Schuetz B., Petek T., Bachl N., Schippinger G.: Zeolite supplementation affects intestinal barrier integrity of endurance trained subjects, accompanied by anti-inflammatory effects. Annual Congress of the European College of Sport Science, 2015.
- Obermayer G., Steinbauer K., Cvirn G., Hofmann L., Hallstroem S., Ledinski G., Greilberger J.F., **Lamprecht M.**: Influence of an encapsulated fruit, berry and vegetable juice concentrate and walking exercise on oxidative stress, inflammation and skin microcirculation in obese women. Scientific Symposium of the Dutch Nutraceutical Association, November 21st, 2012, Amsterdam, Netherlands.
- Obermayer G., Steinbauer K., Cvirn G., Hofmann L., Hallstroem S., Ledinski G., Greilberger J.F., **Lamprecht M.**: Influence of an encapsulated fruit, berry and vegetable juice concentrate and walking exercise on oxidative stress, inflammation and skin microcirculation in obese women. 8th Annual Meeting of the European Nutraceutical Association (ENA), November 3rd, 2012, Munich, Germany.
- Greilberger J., Schwabberger G., Hofmann P., **Lamprecht M.**: Two weeks of antioxidant supplementation can increase lipid peroxidation in trained men. European Nutraceutical Association- (ENA) conference: “Nutraceuticals: Bewährtes und Neues”, Wiesbaden, Germany, 2009.

- Greilberger J., Oettl K., Schwabberger G., Hofmann P., **Lamprecht M.**: Oxidative protein damage in plasma occurs after bicycle ergometer step test in subjects with deficient fruit and vegetable intake. **European Nutraceutical Association- (ENA) conference: “Nutraceuticals: Bewährtes und Neues”**, Wiesbaden, Germany, 2009.
- Oettl K., Schwabberger G., Hofmann P., Greilberger J.F., **Lamprecht M.**: Redox state of human serum albumin and plasma protein carbonyl groups – influence of exercise and juice powder supplementation. **The XIV Biennial Meeting of the Society for Free Radical Research International (14th SFRR)**, Beijing, China, 2008.