

Publication emerged from the Dissertation

Publications:

Bukalis, K., Kyriakopoulos, A., Özaskan, M., Alber, D., Behne, D. (2003) Determination of trace elements and trace-element-containing proteins in the lung of the rat. In: Kyriakopoulos A. ; Behne D. [Eds.] : Metalloproteine und Metalloidproteine : analytische Aspekte, Redoxprozesse, antioxidative Schutzsysteme, Interaktion Metalle - Proteine, Pathobiochemie. Stuttgart: Wiss. Verl.-Ges., 2004, p. 124-131

Kyriakopoulos, A., Bukalis, K., Roethlein, D., Hoppe, B., Graebert, A., Behne D.(2004) Prevention against oxidative stress of eukaryotic cell membranes by selenium compounds of the rat. *Ann N Y Acad Sci.*,1030:458-61

Bukalis, K., Kyriakopoulos, A., Alber, D., Behne, D. (2004) Trace elements and trace-element-containing proteins in the respiratory tract of the rat. *Macro and Trace Elements Jena*, Eds: Anke et al., Schubert Verlag, Leipzig, ISBN 3-929526-78-6, 2004, p. 1058 – 1064

Study on the distribution of trace elements and trace-element-containing proteins in the lung of the rat. *Trace Elements and Electrolytes* - in press

Bukalis, K., Kyriakopoulos, A., Alber D., Behne, D. Subcellular distribution of selenium and selenium-containing proteins in the lung and trachea of the rat. *Electrophoresis* – submitted

Reports

Bukalis, K., Kyriakopoulos, A., Behne, D., (2003) Trace elements in the protection of the respiratory tract. Annual Report 2003, Hahn Meitner Institute

Oral Communications:

Bukalis, K., Kyriakopoulos, A., Alber, D., Behne, D. (2004) Trace elements and trace-element-containing proteins in the respiratory tract of the rat. *Macro and trace elements*, 22. Workshop, Jena

Bukalis, K., Kyriakopoulos, A., Alber, D., Behne, D. (2005) Determination of trace elements in the tissues of selenium-adequate and selenium-deficient rats by means of instrumental neutron activation analysis. 20. Seminar Aktivierungsanalyse, Munich

Poster:

Bukalis, K., Kyriakopoulos, A., Behne, D. (2003) Determination of trace elements and trace-elements - containing proteins in the lung of the rat. Meetings of German Society for Minerals and Trace Elements, Gemeinsame Herbsttagung, Abstract book p. 52

Bukalis, K., Kyriakopoulos, A., Alber D., Behne, D. (2004) Subcellular distribution of selenium and selenium containing proteins in the rat lung. Meetings of German Society for Minerals and Trace Elements, Gemeinsame Herbsttagung, Abstract book p. 50

Bukalis, K., Kyriakopoulos, A., Alber D., Behne, D. (2004) Studies on trace elements and trace-element-containing proteins in the lung of the rat. FEBS Journal, Abstract number: P3.6-14

Kyriakopoulos, A., Bukalis, K., Graebert, A., Behne D. (2004) Localization and characterization of a 72 kDa eukaryotic membrane-bound selenoproteins. FEBS Journal, Abstract number: P4.9-31

Bukalis K., Kyriakopoulos A., Alber D., Behne D. (2005) Studies on the selenoproteome in the respiratory tract: subcellular distribution of selenium and selenium-containing proteins in the lung and trachea of the rat. FEBS Journal 272, Abstract number: H3-011P

Christian Wolf, Katarzyna Bukalis, Antonios Kyriakopoulos and Dietrich Behne (2005) Determination of element binding pattern in cytosols of cultured lung and trachea cells after treatment with Se or As using size exclusion chromatography hyphenated to plasma mass spectrometry. TEMA Conference Ireland

Poster awards

Bukalis, K., Kyriakopoulos, A., Özaslan, M., Alber, D., Behne, D. (2003) Determination of trace elements and trace-elements - containing proteins in the lung of the rat. Gemeinsame Herbsttagung, Meetings of German Society for Minerals and Trace Elements - first prize

Bukalis, K., Kyriakopoulos, A., Alber, D., Behne, D. (2004) Trace elements and trace-element-containing proteins in the respiratory tract of the rat. Macro and trace elements, 22. Workshop – second prize

Erklärung gemäß §6, (4) der Promotionsordnung

Ich versichere an Eides statt, dass ich die vorliegende Arbeit selbständig und ohne Verwendung anderer Hilfsmittel und Hilfen als der in der Arbeit angegeben verfasst habe.

Katarzyna Bukalis