Personal Data	
Name	Eman Maher Othman
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E-Mail	eman@toxi.uni-wuerzburg.de
Date and place of birth	01.09.1980, Egypt
Marital status	Married, 4 children
Occupation	
09/2013 – 02/2015 03/2015 - today	Post doc (Fellowship) Post doc in the pharmacology and toxicology institute, Wuerzburg University
10/2008- 06/2013	PhD student in the pharmacology and toxicology institute, University Wuerzburg.
09/2002-06/2006 07/2006-10/2008	Demonstrator, faculty of pharmacy , Minia University, Egypt Assistant lecturer, faculty of pharmacy , Minia University, Egypt
School and academic degrees	
1986-1991	Primary School, Bahrian.
1991-1994	Middle School, Bahrain.
1994-1997	Secondary School, Egypt.
1997-2002	Bachelor Pharmacy, Minia University, Egypt (Excellent with the degree of honor).
2002-2006	Master in Pharmaceutical Science, Analytical Chemistry, Minia University, Egypt. “Chemometrics-Assisted Spectrophotometric Determination of certain Antibiotic Mixtures “
10/2008- 06/2013	PhD, pharmacology and toxicology institute, University Wuerzburg. “In vitro and in vivo analysis of insulin-induced oxidative stress and DNA damage”
Langues	Languages spoken: Arabic (native language). English (very good command). Germany (good command).

Publikationsliste

First Author

- **Othman, E. M.**; Oli, R. G.; Arias-Loza, P. A.; Kreissl, M. C.; Stopper, H. Metformin Protects Kidney Cells From Insulin-Mediated Genotoxicity In Vitro and in Male Zucker Diabetic Fatty Rats. *Endocrinology* **157:**548-559; 2016.

- **Othman, E. M**.; Hentsche, H.; Stopper, H. Signaling steps in the induction of genomic damage by insulin in colon and kidney cells. FRBM (68) 2014, p247-257.

- **Othman, E. M**.; Kreissl, M. C.; Kaiser F. R.; Arias-Loza, P. A.; Stopper, H. Insulin mediated oxidative stress and DNA damage in LLC-PK1 pig kidney cell line, female rat primary kidney cells and male ZDF rat kidneys in vivo. *Endocrinology* (154) 2013, p1434-1443.

- **Othman, E. M**.; Leyh A.; Stopper, H. Insulin mediated DNA damage in mammalian colon cells and human lymphocytes in vitro. Mutat Res, 2013. 745-746: p. 34-9.

- **Othman, E. M**.; Al-tabaa T.; Hentsche, H.; Stopper, H. Insulin-induced proliferation and DNA damage in cell lines with different expression of the insulin and the IGF-1 receptors. Mutat Res (2016). (under revision).

- **Othman, E. M**.; Naseem M.; Awad E.; Dandekar T.; Stopper, H. Screening of different protective properties of kinetin in mammalian cells (Final preparation of the manuscript)

Co-Author :

- Cheng, C.; **Othman, E.M**. ; Reimer, A.; Grüne, M.; Kozjak-Pavlovic, V.; Stopper, H.; Hentschel, U.; and Abdelmohsen, U. R. Ageloline A, new antioxidant and antichlamydial quinolone from the marine sponge-derived bacterium *Streptomyces* sp. SBT345, Medicinal chemistry research, (under revision).

- Grkovic, T.; Abdelmohsen, U.R.; **Othman, E.M**., Stopper, H., Edrada-Ebel, R.A., Hentschel, U., Quinn, R.J.: Two new antioxidant actinosporin analogues from the calcium alginate beads culture of sponge-associated Actinokineospora sp. strain \EG49\. Bioorganic & Medicinal Chemistry Letters.24, 5089 - 5092 (2014).

- Abdelmohsen, U.R.; Szesny, M.; **Othman, E. M**.; Schirmeister, T.; Grond, S.; Stopper, H. and Hentschel, U.: Antioxidant and Anti-Protease Activities of Diazepinomicin from the Sponge-*Associated* Micromonospora *Strain RV115*. Mar. Drugs 2012, 10 (10), 2208-2221.

Publications from the Master thesis:

- Abd El-Maboud, I. M.; Salem, H. and **Othman, E. M**. Spectrophotometric Determination of Binary Mixtures of Prednisolone with some Antibiotics. *Thai. J. Pharm. Sci.,* (30), 2006, pp.63-81.

- Abd El-Maboud, I. M.; Salem, H. and **Othman, E. M**. Chemometric-assisted Spectrophotometric Determination of certain β-lactam Antibiotics Combinations. *Thai. J.Pharm. Sci.* (31), 2007, 1-24.

Invited talks and posters

- Invited speaker in DGPT April 2014, Hannover , Germany
    - (Insulin and Diabetes from Toxicological point of view)

- 1st GUM workshop June 2013, Mainz, Germany,(oral presentation)
    - Oxidative stress the link between hyperinsulinemia and DNA damage

- Invisted speaker in Assuit University 8th International Pharmaceutical Sciences Conference, Assuit, Egypt March 2012.
    - Hyperinsulinemia Induced genomic damage and increases cancer risk.

- Invited speaker in the 7th International Students´ Symposium, 2012, Wuerzburg,
    - Genotoxicity of insulin in vitro.

- DGPT conference, March 2012, Dresden, Germany (Poster).
    - Induction of oxidative stress and genomic damage by insulin.

- 7 th GUM ^{32}P-postlabeling Workshop & UKEMS / Dutch EMS-sponsored Workshop on Biomarker of Exposure and Oxidative DNA damage. March 2011, Münster, Germany, (Poster).
    - Hyperinsulinemia induced genomic damage and increased cancer risk.

- 26. Ernst Klenk Symposium in Molecular Medicine (NOX Family NADPH Oxidases as Therapeutic Targets) November 2010, Cologne, Germany, (Poster).
    - NADPH oxidase stress may contribute to insulin induced genomic damage.

- The 4th, 5th and 6th International Students´ Symposium, 2009, 2010, 2011, Wuerzburg, Germany, (Posters).
    - (2009) Insulin-induced oxidative stress and DNA damage in mammalian cells.
    - (2010) Hormone induced genomic damage: Insulin.
    - (2011) Hyperinsulinemia induced genomic damage and increased cancer risk.

Fellows and awards

- Best poster prize, GDPT 2016, Berlin, Germany.
- DGE young scientist travel grant award 2016.
- Best talk prize in 1st GUM workshop June 2013, Germany.
- EEMS young scientist travel grant award 2012.
- GUM travel grant 2011, 2012.
- GSLS travel grant 2012.
- PhD stipend from Minia University, Egypt.
- DAAD STIBET Doktoranden Program from the GSLS.
- Postdoc fellowship from the Frauenbüro, University of Würzburg, Würzburg, Germany.

Research interests

Investigation of the possible mechanisms for insulin mediates oxidative stress and genomic damage alone or in combination with other endogenous hormones such as adrenaline and thyroxin in vitro and in vivo.

Studying of the signalling mechanisms by which metformin protects the kidney cells from insulin genotoxicity and reducing the kidney damage markers in vitro and in diabetic in vivo model.

Investigation of the biological activities of new isolated or synthesised compounds.