

CURRICULUM VITAE

Name: Mohamed El-Sayed Ahmed Mohamed El-Mesery

- **Personal Information:**

Sex: Male

Date of Birth: 01/09/1983

Place of Birth: Dakahliya, Egypt

Nationality: Egyptian

Marital Status: Married, have 2 children

Address:

Biochemistry department, Faculty of Pharmacy, Mansoura University, El-Gomohria Street, El-Mansoura, 35516, Egypt

Email address: elmesery@hotmail.com

Telephone:

mobile: 002-01006420520

- **Language skills:**

Arabic: Mother tongue

English: Excellent (Reading, Writing, Listening), Very good (Speaking), International TOEFL iBT score 88

German: Very good (Reading, Writing, Speaking, Listening), Goethe-Zertifikat B2, Goethe Institut, Mannheim, Germany. Score: 76,5/100

- **Education/Training:**

11/2017-/2018 Postdoc researcher in molecular internal medicine, Wuerzburg Germany

Awarded German-Egyptian Research Short Term Scholarship (GERSS) funded by DAAD

09/2014-10/2017 Postdoctoral researcher and supervisor for postgraduate students in biochemistry department, Faculty of pharmacy, Mansoura University, Mansoura, Egypt

10/2010-08/2014 PhD Degree in natural sciences, degree very good (Magna cum lauda), Division of Molecular Internal Medicine, University Hospital of Würzburg, Germany
Title of PhD thesis: Development of CD40-targeted bifunctional scFv-TRAIL fusion proteins that induce TRAILR1- and

TRAILR2-specific cell death and dendritic cells activation.

- 09/2008-09/2010** Postgraduate Student, Biochemistry department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
Awarded PhD German-Egyptian Research Long Term Scholarship (GERLS) funded by DAAD
- 10/2006-8/2008** Master degree in Pharmaceutical Science (Biochemistry), Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
Title of master thesis “Evaluation of antitumor activity of some natural compounds in experimental animals.”
- 09/2000-05/2005** Bachelor of Pharmacy, degree excellent with honor, top student throughout the 5 year-period of study, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.

- **Academic positions**

2014-present: Lecturer of Biochemistry, Biochemistry Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt

2010-2014: GERLS full PhD scholarship funded by DAAD, division of molecular internal medicine, University Hospital of Würzburg, Germany.

2008-2010: Assistant lecturer of Biochemistry, Biochemistry Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt

2005-2008: Demonstrator of Biochemistry, Biochemistry Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.

- **Lab and practical skills**

Cell culture, whole animal experiments, ELISA, colorimetry, FACS, Electrophoresis, Western Blotting, Genetic engineering and design of plasmids, cloning and extraction of plasmids, production and purification of recombinant proteins, Gaussia Luciferase assay, light microscopy, PCR
(Awarded certificate for experimental animal handling in European Union)

- **Funding programs**

1- DAAD GERLS full PhD scholarship (2010-2014) to obtain full PhD degree from Wuerzburg University, Germany.

2- Returning Experts Programme that is implemented by the Centre for International Migration and Development (CIM).

3- GIZ fund to attend 19th Joint Meeting, Signal Transduction, Receptors, Mediators and Genes, Weimar, Germany.

4- DAAD GERSS postdoc scholarship, Wuerzburg University, Germany.

- **Scientific publications:**

1- Chloroquine upregulates TRAIL/TRAILR2 expression and potentiates doxorubicin anti-tumor activity in thioacetamide-induced hepatocellular carcinoma model, Helmy SA, El-Mesery M, El-Karef A, Eissa LA, El Gayar AM, Chem Biol Interact. 2017 Nov

2- Glycyrrhizin ameliorates high fat diet-induced obesity in rats by activating NrF2 pathway, Abo El-Magd NF, El-Mesery M, El-Karef A, El-Shishtawy MM. Life Sci. 2017 Nov

3- The anti-myeloma activity of bone morphogenetic protein 2 predominantly relies on the induction of growth arrest and is apoptosis-independent, Lagler C, El-Mesery M, Kübler AC, Müller-Richter UDA, Stühmer T, Nickel J, Müller TD, Wajant H, Seher A, PLoS One. 2017 Oct

4- Correlation of Serum Soluble Fibrinogen-Like Protein 2 with Soluble FAS Ligand and Interferon Gamma in Egyptian Hepatitis C Virus-Infected Patients and Hepatocellular Carcinoma Patients, El-Mesery M, El-Mowafy M, Elgaml A, Youssef LF, Abed SY. J Interferon Cytokine Res. 2017

5. Molecular analysis of Hepatitis B virus sub-genotypes and incidence of preS1/preS2 region mutations in HBV-infected Egyptian patients from Mansoura. El-Mowafy M, Elgaml A, **El-Mesery M**, Elegezy M, J Med Virol. 2017 Sep

6- The novel c-Met inhibitor capmatinib mitigates diethylnitrosamine acute liver injury in mice. Shaker ME, Ashamallah SA, **El-Mesery M**. Toxicol Lett. 2016 Nov 2;261:13-25. doi: 10.1016/j.toxlet.2016.08.015.

7- The SMAC mimetic BV6 induces cell death and sensitizes different cell lines to TNF- α and TRAIL-induced apoptosis. **El-Mesery M**, Shaker ME, Elgaml A. Exp Biol Med (Maywood). 2016 Jul 27. pii: 1535370216661779.

8- MLN4924 sensitizes monocytes and maturing dendritic cells for TNF-dependent and -independent necroptosis. **El-Mesery M**, Seher A, Stühmer T, Siegmund D, Wajant H. Br J Pharmacol. 2015 Mar;172(5):1222-36. doi: 10.1111/bph.12998.

9- CD70-restricted specific activation of TRAILR1 or TRAILR2 using scFv-targeted TRAIL mutants. Trebing J, **El-Mesery M**, Schäfer V, Weisenberger D, Siegmund D, Silence K, Wajant H. Cell Death Dis. 2014 Jan 30;5:e1035. doi: 10.1038/cddis.2013.555.

10- CD40-directed scFv-TRAIL fusion proteins induce CD40-restricted tumor cell death and activate dendritic cells. **El-Mesery M**, Trebing J, Schäfer V, Weisenberger D, Siegmund D, Wajant H. Cell Death Dis. 2013 Nov 14;4:e916. doi: 10.1038/cddis.2013.402.

11- Evaluation of renal protective effects of the green-tea (EGCG) and red grape resveratrol: role of oxidative stress and inflammatory cytokines. El-Mowafy AM, Salem HA, Al-Gayyar MM, **El-Mesery ME**, El-Azab MF. Nat Prod Res. 2011 Apr;25(8):850-6. doi: 10.1080/14786419.2010.533669.

12- Novel chemotherapeutic and renal protective effects for the green tea (EGCG): role of oxidative stress and inflammatory-cytokine signaling. El-Mowafy AM, Al-Gayyar MM, Salem HA, **El-Mesery ME**, Darweish MM. Phytomedicine. 2010 Dec 1;17(14):1067-75. doi: 10.1016/j.phymed.2010.08.004. Epub 2010 Sep 18.

13- Prominent chemopreventive and chemoenhancing effects for resveratrol: unraveling molecular targets and the role of C-reactive protein. El-Mowafy AM, **El-Mesery ME**, Salem HA, Al-Gayyar MM, Darweish MM. Chemotherapy. 2010;56(1):60-5. doi: 10.1159/000298821. Epub 2010 Mar 19.

14- Chemopreventive and renal protective effects for docosahexaenoic acid (DHA): implications of CRP and lipid peroxides. **El-Mesery M**, Al-Gayyar M, Salem H, Darweish M, El-Mowafy A. Cell Div. 2009 Apr 2;4:6. doi: 10.1186/1747-1028-4-6.

- **Scientific conferences**

1- 06/12/2017; RegMed Forum 2017 - Advanced Disease Models; Berlin, Germany.

2- 09-11/04/2017; 1st international conference of pharmaceutical sciences, MU-PHARM 2017; Mansoura, Egypt

Contribution: oral presentation "Death receptor ligands as cancer therapy: problems and genetic engineering strategies to overcome these problems"

3- 2-4 Nov 2015; 19th Joint Meeting, Signal Transduction, Receptors, Mediators and Genes, Weimar, Germany

Contribution: Poster "NAE targeting with MLN4924 converts TNF and LPS maturing effect on immature dendritic cells to apoptosis and necroptosis"

4- 11-12 Apr 2014; Translational Immunology-From Target to Therapy 11, Würzburg, Germany

5- 04-06 Nov 2013; 17th Joint Meeting, Signal Transduction, Receptors, Mediators and Genes, Weimar, Germany

Contribution: Poster " CD40-directed scFv-TRAIL fusion proteins induce CD40-restricted tumor cell death and activate dendritic cells"

6- 09-10 Oct 2013; 8th International Symposium, Graduate School of Life Sciences, Scientific Crosstalk, Würzburg, Germany

Contribution: Poster " CD40-directed scFv-TRAIL fusion proteins induce CD40-restricted tumor cell death and activate dendritic cells"

7- 21-22 Mar 2013; Translational Immunology-From Target to Therapy, Würzburg, Germany

Contribution: Poster " CD40-directed scFv-TRAIL fusion proteins induce CD40-restricted tumor cell death and activate dendritic cells"

8- 16-17 Oct 2012; 7th International Symposium, Graduate School of Life Sciences, Everything's Part of Science, Würzburg, Germany

Contribution: Poster "Antigen restricted selective activation of TRAILR1 and TRAILR2 "

- **References**

1- Prof. dr. Harald Wajant, the head of the division of molecular internal medicine, University Hospital of Würzburg, Germany, harald.wajant@mail.uni-wuerzburg.de

2- Farid A Badria, PhD. Professor of Pharmacognosy, faculty of pharmacy, Mansoura university, Egypt, faridbadria@gmail.com

3- Axel Seher, PhD. teeth clinic, mouth and plastic facial surgery, Wuerzburg, University, Germany, Seher_A@ukw.de