

Curriculum Vitae

Name: Heba Hamed Salem
Title: Lecturer Dr.
Department: Biochemistry
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Education

• Academic Degrees

PhD

Doctor of Natural Sciences (Doctor of Philosophy in Pharmaceutical Sciences (Biochemistry), 2013, Ulm University, Ulm, Germany.

Master

Masters of Science Degree in Biochemistry (M.Sc.), 2009, Faculty of Pharmacy, Cairo University, Egypt.

Bachelor

Bachelor of Pharmaceutical Sciences (B.Pharm.), 2000, Faculty of Pharmacy, Cairo University, Egypt.

• Research interests

- Molecular mechanisms involved in diabetes pathogenesis.
- Modulation of diabetes by various natural agents.
- β -Cell degeneration and regeneration.
- The role of IKK/NF- κ B in pancreatic β -cell homeostasis and diabetes.
- Animal models of diabetes
- Inflammation.
- Brain ischemia; molecular mechanisms and drugs to improve the outcome.

Teaching

	Course Title
Undergraduate Courses (General Program)	702 Biochemistry II
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Undergraduate Courses (Clinical Program)	Choose an item.
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Postgraduate Courses	Click here to insert text. To start a new paragraph please press <u>End</u> then <u>Enter</u> keys from keyboard.

Career History and Professional Experience

Titles	<ul style="list-style-type: none"> Lecturer of Biochemistry Since March 2014 Faculty of Pharmacy - Cairo University, Egypt Candidate for PhD degree in Biological Sciences Dec 2009-Nov 2013 Institute of Physiological Chemistry, Ulm University, Germany (Prof. Dr. Thomas Wirth, group of Dr. Bernd Baumann) Assistant Lecturer of Biochemistry June 2009- March 2014 Faculty of Pharmacy - Cairo University, Egypt Teaching Assistant of Biochemistry Oct 2000 –June 2009
Awards	Click here to insert text. To start a new paragraph please press End then Enter keys from keyboard.
Projects	<p>“The Role of IKK/NF-κB in Pancreatic β-cell Homeostasis and Immune Mediated Diabetes Mellitus” (2009-2013)</p> <p>Institute of Physiological Chemistry, University of Ulm, Germany</p> <p>Dr. Bernd Baumann, Prof. Dr. Bernhard Böhm</p>

Publications and Presentations

- Salem HH**, Trojanowski B, Fiedler K, Maier HJ, Schirmbeck R, Wagner M, Boehm BO, Wirth T, Baumann B. Long-Term IKK2/NF-κB Signaling in Pancreatic β-Cells Induces Immune-Mediated Diabetes. *Diabetes*. 2014 Mar;63(3):960-75. doi: 10.2337/db13-1037. Epub 2013 Dec 2.
- Modulation of IKK/NF-κB signaling in Pancreatic β-cell induces Diabetes, Final Symposium of GRK1041, Ulm, Germany, 2013.
- Maier HJ, Wagner M, Schips TG, **Salem HH**, Baumann B, Wirth T: Requirement of NEMO/IKKγ for effective expansion of KRAS-induced precancerous lesions in the pancreas. *Oncogene* 2013 May 23;32(21):2690-5. doi: 10.1038/onc.2012.272. Epub 2012 Jul 2.
- Baumann B, **Salem HH**, Boehm BO: Anti-inflammatory therapy in type 1 diabetes. *Curr Diab Rep*. 2012 Oct;12(5):499-509. doi: 10.1007/s11892-012-0299-y
- Salem, HH**, El-Sawalhi, MM; Fahim, AT and Ismail, NA: Effect of green tea extract and coenzyme Q10 on ischemia/reperfusion injury in diabetic rat brain. *The Egyptian Journal of Biochemistry and Molecular Biology*. 25: 690, 2007.