

## **Curriculum Vitae**

### **Saleh A. Al-Bakheet, Ph.D.**

**NAME:** Saleh Abdulrahman Ibrahim Al-Bakheet

**CURRENT POSITION:** Assistant Professor

**BUSINESS ADDRESS:** Department of Pharmacology

College of Pharmacy

King Saud University

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#### **EDUCATION:**

**Doctor of Philosophy in Pharmaceutical Sciences (Pharmacology and Toxicology)**

University of Rhode Island

Kingston, Rhode Island

2005

**Title of Dissertation:** Identification of Oct-2 Transcription Factor as a Mediator of Lead Neurotoxicity.

**Master of Science in Pharmacology and Toxicology**

University of Kansas

Lawrence, Kansas

1999

**Master of Science in Pharmaceutical Sciences (Toxicology)**

King Saud University

Riyadh, Saudi Arabia

1995

**Bachelor of Science in Pharmaceutical Sciences**

King Saud University

Riyadh, Saudi Arabia

1989

**Employment:**

**2005-present** Assistant Professor, Department of Pharmacology  
College of Pharmacy, King Saud University

**1989-1996** Teaching Assistant, Department of Pharmacology  
College of Pharmacy, King Saud University

**Publications:**

- Al-Shabanah, O. A., Ginawi, O. T., and **Al-Bakheet S. A.** (1994). Effect of morphine dependence on spontaneous and drug-induced locomotor activity in mice. *Regulatory peptides*. 54 (1): 5-6.
- **Saleh A. Bakheet** (1995). Toxicological evaluation of some dopamine receptor agonists and antagonists in morphine dependent rodents. *MS Thesis in Toxicology*.
- Ginawi, O. T., Al-Shabanah, O. A., and **Bakheet, S. A.** (1997). Increased toxicity of methamphetamine in morphine-dependent mice. *General Pharmacology*, 28 (5): 727-731.
- Al-Shabanah, O.A., Ginawi, O. T., and **Bakheet, S. A.** (1998). Some effects of sulphiride in morphine dependent mice. *Medical Science Research*, 26(2): 107-109.
- **Saleh A. I. Bakheet** (1999). The role of metallothioneins in physiological processes. *MS Thesis in Pharmacology and Toxicology*.
- Zawia, N. H., **Bakheet, S. A.**, Wei, W., and Basha, M. R. (2003). The transcription factor Sp1 mediates perturbations of brain gene expression elucidated by heavy metals. *Yemeni J. Sci.* 5(1): 119-139.
- M.Riyaz Basha, Wei Wei, **Saleh A. Bakheet**, Nathalie Benitez, Hassan K. Siddiqi, Yuan-Wen Ge, Debomoy K. Lahiri, and Nasser H. Zawia (2005). The fetal basis of amyloidogenesis: Exposure to lead and latent overexpression of Amyloid Precursor Protein and  $\beta$ -amyloid in the aging brain. *The Journal of Neuroscience*, January 26. 25(4): 823-829.

- **Saleh A. Bakheet**, (2005). Identification of Oct-2 as a mediator of lead neurotoxicity. *PhD Dissertation in Pharmaceutical Sciences (Pharmacology and Toxicology)*.
- **Bakheet SA**, Basha MR, Cai H, Zawia NH. (2007). Lead exposure: expression and activity levels of Oct-2 in the developing rat brain. *Toxicol Sci.* Feb. 95(2): 436-42.
- A.M. Aleisa, S.S. Al-Rejaie, **S.A. Bakheet**, A.M. Al-Bekari, O.A. Al-Shabanah, Abdulhakeem Al-Majed, Abdulaziz A. Al-Yahya and S. Qureshi (2007). Effect of metformin on clastogenic and biochemical changes induced by adriamycin in Swiss albino mice. *Mutation Research/Genetic Toxicology and Environmental Mutagenesis.* Dec. 634(1-2): 93-100

**Abstracts:**

- **Bakheet, S.** and Zawia N.H. (2001). Microarray analysis of transcription factors in the hippocampus of lead-exposed rats. *Proceedings of New England Pharmacologists 30<sup>th</sup> Annual Meeting*, Newport, RI.
- **Bakheet, S.**, Bookland, M., and Zawia, N.H. (2001). Analysis of the effects of lead exposure on developmental gene expression in the rat hippocampus using Microarray techniques. *The Toxicologist* 60:863.
- **Bakheet, S.** and Zawia, N.H. (2001). Identification of OCT as a new target for lead neurotoxicity in the developing hippocampus using macroarray analysis. *Proceedings of Annual meeting of North East Chapter of the Society of Toxicology.* Biogen, MA.
- **Bakheet, S.** and Zawia, N.H. (2002). Temporal changes in the expression of transcription factors in the developing lead-exposed hippocampus as determined by macroarray analysis. *The Toxicologist* 66:1647.
- **Bakheet, S. A.** and Zawia, N.H. (2004). The influence of lead on the expression of Oct-2 and the regulation of its target genes. *The Toxicologist* 78: 896.

**Book Chapter:**

- **Bakheet, S. A.** and Zawia, N. H. (2004). The role of POU domain transcription factors in lead neurotoxicity. In (Ed: N.H. Zawia) *Molecular Neurotoxicology: Environmental Agents and Transcription-Transduction coupling*, CRC press, USA: 183-198.

**Award:**

- **Pre-doctoral Poster Presentation Award** (2<sup>nd</sup> place) in the Neurotoxicology Specialty Section in the 43<sup>rd</sup> Annual Meeting of the **Society of Toxicology (SOT)**, Baltimore, MD, Mar. 2004.

**Membership in Scientific Societies:**

Saudi Pharmaceutical Society

Society of Toxicology

**Symposia/conferences attended:**

- Northeast Chapter of the Society of Toxicology Meeting, Groton, CT, Oct. 2000.
- New England Pharmacologists 30<sup>th</sup> Annual Meeting, Newport, RI, Jan. 2001.
- 40<sup>th</sup> Annual Meeting of Society of Toxicology (SOT), San Francisco, CA, March. 2001.
- 41<sup>st</sup> Annual Meeting of Society of Toxicology (SOT), Nashville, TN, March. 2002.
- Northeast Chapter of the Society of Toxicology Meeting. Millennium, MA, Nov. 2003.
- 43<sup>rd</sup> Annual Meeting of Society of Toxicology (SOT). Baltimore, MD, March. 2004.
- Northeast Chapter of the Society of Toxicology Meeting. University of Southern Maine, Maine, Oct. 2004.
- The 9<sup>th</sup> International Pharmaceutical Sciences Conference & Exposition. Riyadh, Saudi Arabia, Dec. 2005.

- The 7<sup>th</sup> International Saudi Pharmaceutical Conference. Riyadh, Saudi Arabia, March, 2007.
- Cosmetic product formulation (The center for professional advancement). Amsterdam - the Netherlands, Nov. 2007.