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# SALEM ELKHAYAT

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## OBJECTIVE

Seeking internship in a neuroscience related field offering a strong background in neuroscience, extensive EMS training and a dedication to community service.

## EDUCATION

Tulane University		New Orleans LA
Bachelor of Science in Neuroscience	GPA: 3.3	Expected May 2009
Master of Science in Neuroscience		Expected May 2010

## EXPERIENCE

**EMT** September 2006-Present

**Tulane Emergency Medical Services/New Orleans Emergency Medical Services**

- Respond to medical emergencies around the Tulane campus and the surrounding New Orleans area.
- Write and submit patient care reports to hospital ER staff.
- Respond to multiple orthopedic injuries (including spinal) in a pre-hospital setting.
- Learned to perform efficiently in stressful situations and developed proven teamwork skills.

**Project Coordinator** September 2007-Present

**Community Action Council of Tulane University Students (Cactus)**

- Lead various community service based projects around the New Orleans area focusing on the underprivileged communities and schools.
- Coordinating weekly project called Children's Athletic Program (CAP) developing sportsmanship, teamwork, and leadership skills in inner-city children
- Manage and schedule 10-20 volunteers weekly to assist with programs.

**Certified American Heart Association CPR Instructor**

- Taught various members of the community live saving CPR techniques in a classroom environment
- Managed a classroom of approximately 3-5 students per CPR Class.

## RESEARCH

**Dr. Allan V Kalueff's Research Lab** January 2009-Present  
*Tulane University School of Medicine, Pharmacology Department & Neuroscience Program*

- Research involves animal behavioral, pharmacological, genetic and pharmacogenetic models of stress- and drug-related psychiatric disorders, using mouse and zebrafish models.

**Louisiana Universities Marine Consortium (LUMCON)** August 2006-December 2006

- Tested water quality of the Mississippi River in conjunction with LUMCON and Tulane University Cell & Molecular Biology Department
- Presented a professional project of the results of the water-testing data at LUMCOM.

## LANGUAGE

- Spanish- conversational
- Arabic-conversational

## CERTIFICATIONS

- NREMT-B , AMA CPR INSTRUCTOR AND BLS CPR CERTIFIED

## PUBLICATIONS

1. Measuring endocrine (cortisol) responses of zebrafish to stress. Peter R. Canavello, Jonathan M. Cachat, Esther Beeson, Autumn L. Laffoon, Chelsea Grimes, Whitlee Haymore, Marco F. Elegante, Brett K. Bartels, Peter C. Hart, **Salem I. Elkhayat**, David H Tien, Sopan Mohnot, Hakima Amri, Allan V. Kalueff. *Zebrafish Neurobehavioral Protocols*. Eds: Kalueff A, Canavello P, and Cachat J. Humana Press, 2010, in press.
2. Video-aided analysis of zebrafish locomotion and anxiety-related behavioral responses. PR Canavello, JM Cachat, **SI Elkhayat**, BK Bartels, PC Hart, MF Elegante, EC Beeson, AL Laffoon, WAM Haymore, DH Tien, AK Tien, S Mohnot, AV Kalueff. *Zebrafish Behavioral Methods*, Eds. AV Kalueff, PR Canavello. Humana Press, NY, 2010, in press.
3. Understanding behavioral and physiological phenotypes of stress and anxiety in zebrafish. Egan R, Bergner C, Hart R, Cachat J, Canavello P, Elegante M, **Elkhayat S**, Bartels B, Tien A, Tien D, Mohnot S, Beeson E, Glasgow E, Amri H, Zukowska Z, Kalueff A. *Behavioural Brain Research*, 2009, in press.
4. Modeling Substance Withdrawal Syndrome in Zebrafish (*Danio Rerio*). J Cachat, P Canavello, C Bergner, R Egan, P Hart, B Bartels, E Beeson, **S Elkhayat**, M Elegante, S Mohnot, D Tien, A Tien, H Amri, E Glasgow, Z Zukowska, RD Soignier, AV Kalueff. *Behavioural Brain Research*, 2009, in press.

## SCIENTIFIC ABSTRACTS

1. D. Tien, P. Canavello, J. Cachat, R. Egan, P. Hart, C. Bergner, M. Elegante, S. Mohnot, **S. Elkhayat**, B. Bartels, A. Tien, E. Beeson, A. Kalueff, D. Soignier. "Visualizing and interpreting drug-evoked anxiety behaviors in Zebrafish". *Society for Neuroscience Conference 2009*. Chicago, IL. October 16-22, 2009.
2. Cachat, J., Canavello, P., Bergner, C., Egan, R, Hart, P., Bartels, B., Beeson, E., **Elkhayat, S.**, Elegante, M., Mohnot, S., Tien, D., Tien, A., Glasgow, H., Zukowska, Z., Amri, H., Soignier, D., Kalueff, A. "Modeling Withdrawal Anxiety in Zebrafish (*Danio rerio*)". *Society for Neuroscience Conference 2009*. Chicago, IL. October 16-22, 2009.
3. P Canavello, J Cachat, C Bergner, R Egan, P Hart, B Bartels, E Beeson, **S Elkhayat**, M Elegante, S Mohnot, A Tien, D Tien, H Amri, E Glasgow, Z Zukowska, A Kalueff. "Behavioral Pharmacology and Acute Stress Responses in Zebrafish". *12th International Neuroscience "Stress and Behavior" Conference*. St. Petersburg, Russia, May 16-20, 2009.
4. J Cachat, P Canavello, C Bergner, R Egan, P Hart, B Bartels, E Beeson, **S Elkhayat**, M Elegante, S Mohnot, D Tien, A Tien, H Amri, E Glasgow, Z Zukowska, RD Soignier, AV Kalueff. "Modeling Substance Withdrawal Syndrome in Zebrafish (*Danio Rerio*)". *12th International "Stress and Behavior" Conference*. St. Petersburg, Russia, May 16-20, 2009.
5. Jonathan Cachat, Peter Canavello, Peter Hart, Carisa Bergner, Rupert Egan, Brett Bartels, **Salem Elkhayat**, Marco Elegante, Esther Beeson, Sopan Mohnot, David Tien, Anna Tien, Hakima Amri, Eric Glasgow, Zofia Zhukowska, Allan Kalueff. "Zebrafish (*Danio rerio*) Models of Drug Abuse and Anxiety". *LSU Neuroscience Retreat*. New Orleans, Louisiana. March 21, 2009.

## PRESENTATIONS

1. David Tien, Peter Canavello, Jonathan Cachat, Brett Bartels, **Salem Elkhayat**, Marco Elegante, Allan Kalueff. "Stress and Anxiety in Zebrafish". *Tulane University Neuroscience Summer Research Program*. New Orleans, Louisiana. June 16, 2009.
2. Hart, P., Bergner, C., Egan, R., Cachat, J., Canavello, P., Bartels, B., Beeson, E., **Elkhayat, S.**, Elegante, M., Mohnot, S., Tien, D., Tien, A., Kalueff, A. "The Utility of Zebrafish in Stress Research". *Experiment Biology 2009*. New Orleans, Louisiana. April 2009.
3. PC Hart, CL Bergner, RJ Egan, JM Cachat, PR Canavello, B Bartels, **S Elkhayat**, MF Elegante, E Beeson, S Mohnot, DH Tien, AK Tien, H Amri, E Glasgow, Z Zhukowska, AV Kalueff. "The Correlation of Neural and Physiological Phenotypes in Zebrafish Models of Stress". *20<sup>th</sup> Annual Tulane Health Sciences Research Days*. New Orleans, Louisiana. March 2009.