

Siddharth Gaikwad

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New Orleans, LA 70115
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Educational Background:

- School: St Joseph's High School, Mumbai, 2001
- High School: National College, Bandra, Mumbai, 2003
- Graduation: Mahatma Gandhi Mission's Medical College, Navi Mumbai, 2008
- Internship: Mahatma Gandhi Mission's Medical College, Navi Mumbai, 2009
- M.B.B.S.(Bachelor of Medicine and Bachelor of Surgery)

Projects

- Presented a study regarding HIV/AIDS. It is an interventional study on existing level of knowledge and attitude regarding HIV/AIDS among Merchant Navy Cadets in Navi Mumbai and to assess the change in knowledge and attitude of cadets after health education on HIV/AIDS. I had presented this at MEDICON 2009. MEDICON 2009 was the Second Asian and Third National Medical Student's Research Conference. This was held on 24th to 28th June. This event was chaired by Dr.V.M.Katoch, the Director General, Indian Council of Medical Research in the absence of Dr A.P.J Abdul Kalam former President of India. The paper will also be published in The Journal Of Young Investigators.
- Gaikwad S. (2009) Modeling habituation responses in zebrafish (*Danio rerio*). Behavioral Sciences Symposium, Arkansas Tech University, Nov 14, 2009.
- Endocrine (cortisol) endophenotypes of drug withdrawal in zebrafish (*Danio rerio*). Behavior, Biology and Chemistry; Translational Research in addiction, March 6, 2010. San Antonio, TX.
- Accepted in PUKAR(Partners For Urban Knowledge , Action And Research) for Youth Fellowship Programme at Mumbai

Articles

- The developing utility of zebrafish in modeling neurobehavioral disorders. Stewart A, Kadri F, DiLeo J, Cachat J, Goodspeed J, Suci C, Roy S, **Gaikwad S**, Wong K, Elegante M, Elkhayat S, Wu N, Gilder T, Tien D, Grossman L, Tan J, Denmark A, Bartels B, Frank K, Beeson E, Kalueff A. International Journal of Comparative Psychology, 2010; 23: 104-121.

- The effects of chronic social defeat stress on mouse self-grooming behavior and its patterning. Denmark A, Tien D, Wong K, Chung A, Cachat J, Goodspeed J, Grimes C, Elegante M, Suciuc C, Elkhayat S, Bartels B, Jackson A, Rosenberg M, Chung K, Badani H, Kadri F, Tan J, Roy S, **Gaikwad S**, Stewart A, Zapolsky I, Gilder T, Kalueff A. Behav Brain Res 2010, in press.
- Analyzing habituation responses to novelty in zebrafish (*Danio rerio*). Wong K, Elegante M, Bartels B, Elkhayat S, Tien D, Roy S, Goodspeed J, Suciuc C, Tan J, Grimes C, Chung A, Rosenberg M, **Gaikwad S**, Duncan A, Jackson A, Kadri F, Chung K, Stewart A, Gilder T, Beeson E, Zapolsky I, Wu N, Cachat J, Kalueff A. Behav Brain Res 2010; 208: 450-457.
- Modeling withdrawal syndrome in zebrafish. Cachat J, Canavello P, Elegante M, Bartels B, Hart P, Bergner C, **Gaikwad S**, Egan R, Duncan A, Tien D, Goodspeed J, Grimes C, Elkhayat S, Suciuc C, Rosenberg M, Chung K, Kadri F, Roy S, Stewart A, Zapolsky I, Gilder T, Mohnot S, Beeson E, Tan J, Amri H, Zukowska A, Glasgow E, Soignier R, Kalueff A. Behav Brain Res 2010, in press

Modeling seizure-related behavioral and endocrine phenotypes in adult zebrafish.

Keith Wong, Adam Stewart, Thomas Gilder, Nadine Wu, Siddharth Gaikwad^a, Christopher Suciuc^a, John DiLeo^a, Eli Utterback^a, Katie Chang^a, Leah Grossman^a, Jonathan Cachat^a and Allan V. Kalueff^{EF}

Abstracts

Behavioral Sciences. Symposium, Arkansas Tech University.

- Wong K, Tan J, Cachat J, Suciuc C, Goodspeed J, Roy S, Grimes C, Rosenberg M, Jackson A, Tien D, Elegante E, Bartels B, Elkhayat S, Chung A, **Gaikwad S**, Duncan A, Kadri F, Chung KM, Stewart A, Kalueff AV. (2009) Correlating cytokines with chronic social defeat stress.
- Cachat J, Elegante M, Bartels B, Elkhayat S, Wong K, Tien D, Tan J, Suciuc C, Goodspeed J, Roy S, Grimes C, Rosenberg M, Jackson A, Chung A, **Gaikwad S**, Duncan A, Kadri F, Chung KM, Stewart A, Gilder T, Zapolsky I, Kalueff AV. (2009) Behavioral phenotypes of anxiety in zebrafish. Behavioral Sciences. Symposium, Arkansas Tech University.
- Wong K, Tan J, Cachat J, Suciuc C, Goodspeed J, Roy S, Grimes C, Rosenberg M, Jackson A, Tien D, Elegante M, Bartels B, Elkhayat S, Chung A, **Gaikwad S**, Duncan A, Kadri F, Chung KM, Stewart A, Kalueff AV. (2010) Cytokine profiling of chronic social defeat in mice. Experimental Biology 2010.
- Bartels B, Tien D, Wong K, **Gaikwad S**, Tan J, Cachat J, Suciuc C, Goodspeed J, Roy S, Elegante M, Elkhayat S, Grimes C, Rosenberg M, Jackson A, Chung A, Duncan A, Kadri

F, Stewart A, Chung KM, Strong M, Gilder T, Zapolsky I, Kalueff AV. (2010) Understanding zebrafish habituation responses to novelty. *Experimental Biology* 2010.

Tulane-Arkansas Tech Neuroscience Symposium: "Stress and Behavior"

Gaikwad S, Suciuc C, Chung KM, Wong K, Stewart A, Elegante M, Bartels B, Elkhayat S, Tien D, Roy S, Goodspeed J, Tan J, Gaikwad S, Denmark A, Kadri F, Gilder T, Wu N, Frank K, DiLeo J, Utterback E, Viviano P, Chang K, Grossman L, Cachat J, Kalueff AV. Aquatic rave: the effects of MDMA (Ecstasy) on zebrafish behavior and physiology. Tulane-Arkansas Tech Neuroscience Symposium: "Stress and Behavior". New Orleans, LA, Apr. 2010.

Stewart A, Cachat J, Wong K, Goodspeed J, Suciuc C, Gaikwad S, Chung KM, Elegante M, Bartels B, Elkhayat S, Tien D, Tan J, Denmark A, Kadri F, Gilder T, Wu N, DiLeo J, Grossman L, Chang K, Frank K, Utterback E, Viviano P, Kalueff AV. Understanding homebase behavior in zebrafish. Tulane-Arkansas Tech Neuroscience Symposium: "Stress and Behavior". New Orleans, LA, Apr. 2010.

Cachat J, Goodspeed J, **Gaikwad S**, Suciuc C, Chung KM, Wong K, Stewart A, Elegante M, Bartels B, Elkhayat S, Tien D, Roy S, Tan J, Denmark A, Kadri F, Gilder T, Wu N, Frank K, DiLeo J, Utterback E, Viviano P, Chang K, Grossman L, Kalueff AV. Investigating the effects of LSD on zebrafish behavior in novel environments. Tulane-Arkansas Tech Neuroscience Symposium: "Stress and Behavior". New Orleans, LA, Apr. 2010.

Chung KM, Wong K, Stewart A, Elegante M, Bartels B, Elkhayat S, Tien D, Roy S, Goodspeed J, Suciuc C, Tan J, **Gaikwad S**, Denmark A, Kadri F, Gilder T, Wu N, Frank K, DiLeo J, Utterback E, Viviano P, Chang K, Grossman L, Cachat J, Kalueff AV. Modling epilepsy in zebrafish. Tulane-Arkansas Tech Neuroscience Symposium: "Stress and Behavior". New Orleans, LA, Apr. 2010.

Bartels B, Tien D, Wong K, Tan J, Cachat J, Suciuc C, Goodspeed J, Roy S, Elegante M, Elkhayat S, Grimes C, Rosenberg M, Jackson A, Chung A, **Gaikwad S**, Duncan A, Kadri F, Stewart A, Chung KM, Strong M, Gilder T, Zapolsky I, Kalueff A.V. (2010) Understanding zebrafish habituation responses to novelty. *Experimental Biology*. Anaheim, CA, Apr. 2010.

Wong K, Tan J, Cachat J, Suciuc C, Goodspeed J, Roy S, Grimes C, Rosenberg M, Jackson A, Tien D, Elegante M, Bartels B, Elkhayat S, Chung A, **Gaikwad S**, Duncan A, Kadri F, Chung KM, Stewart A, Kalueff AV. (2010) Cytokine profiling of chronic social defeat in mice. *Experimental Biology*. Anaheim, CA, Apr. 2010.

Stewart A, Cachat J, Roy S, Suciuc C, Goodspeed J, Wong K, **Gaikwad S**, Chung KM, Elegante M, Bartels B, Elkhayat S, Tien D, Tan J, Denmark A, Kadri F, Gilder T, Beeson E, Wu N, DiLeo J, Grossman L, Chang K, Frank K, Utterback E, Kalueff AV. ANALYSIS OF NOVELTY INDUCED BEHAVIORS IN ZEBRAFISH (*DANIO RERIO*). Tulane School of Science and Engineering Research Days. New Orleans, LA, Apr. 2010.

Elegante M, Goodspeed J, Cachat J, Beeson E, Bartels B, Elkhayat S, Tien D, Denmark A, Grimes C, Wong K, Roy S, Kadri F, **Gaikwad S**, Suciuc C, Tan J, Chung KM, Stewart A, Gilder T, Wu N, DiLeo J, Grossman L, Kalueff AV. Endocrine responses of zebrafish (*Danio rerio*) to psychotropic drug withdrawal. Tulane School of Science and Engineering Research Days. New Orleans, LA, Apr. 2010.

Behavior, Biology and Chemistry: Translational Research in Addiction. San Antonio, TX, Mar. 2010.

Stewart A, J Cachat, Goodspeed J, Suciuc C, Roy S, Wong K, **Gaikwad S**, Chung KM, Elegante M, Bartels B, Elkhayat S, Tien D, Tan J, Grimes C, Rosenberg M, Duncan, Gilder T, Beeson E,

Wu N, DiLeo J, Grossman L, Chang K, Frank K, Kalueff AV. Repeated drug withdrawal paradigm in zebrafish, *Danio rerio*. Behavior, Biology and Chemistry: Translational Research in Addiction. San Antonio, TX, Mar. 2010.

Wong K, Goodspeed J, Suci C, Denmark A, Stewart A, Wu N, Kadri F, **Gaikwad S**, Chung KM, Bartels B, Tien D, Elkhayat S, Elegante M, Grimes C, Tan J, Gilder T, Grossman L, DiLeo J, Roy S, Beeson E, Cachat J, Kalueff AV. Modeling single (acute) withdrawal in zebrafish, *Danio rerio*. Behavior, Biology and Chemistry: Translational Research in Addiction. San Antonio, TX, Mar. 2010.

Wong K, Tan J, Cachat J, Suci C, Goodspeed J, Roy S, Grimes C, Rosenberg M, Jackson A, Tien D, Elegante E, Bartels B, Elkhayat S, Chung A, **Gaikwad S**, Duncan A, Kadri F, Chung KM, Stewart A, Kalueff A.V. (2009) Correlating cytokines with chronic social defeat stress. Behavioral Sciences Symposium, Arkansas Tech University.

Goodspeed J, **Gaikwad S**, Bartels B, Tien D, Wong K, Tan J, Cachat J, Suci C, Roy S, Elegante M, Elkhayat S, Grimes C, Rosenberg M, Jackson A, Chung A, Duncan A, Kadri F, Stewart A, Chung KM, Strong M, Gilder T, Zapolsky I, Kalueff A.V. (2009) Modeling habituation responses in zebrafish (*Danio rerio*). Behavioral Sciences Symposium, Arkansas Tech University.

Cachat J, Elegante M, Bartels B, Elkhayat S, Wong K, Tien D, Tan J, Suci C, Goodspeed J, Roy S, Grimes C, Rosenberg M, Jackson A, Chung A, Gaikwad S, Duncan A, Kadri F, Chung KM, Stewart A, Gilder T, Zapolsky I, Kalueff A.V. (2009) Behavioral phenotypes of anxiety in zebrafish. Behavioral Sciences Symposium, Arkansas Tech University.

Tulane University Health Science Research Days

Stewart A, Cachat J, Roy S, Suci C, Goodspeed J, Wong K, **Gaikwad S**, Chung KM, Elegante M, Bartels B, Elkhayat S, Tien D, Tan J, Denmark A, Kadri F, Gilder T, Beeson E, Wu N, DiLeo J, Grossman L, Chang K, Frank K, Utterback E, Kalueff AV. HOMEBASE AND LIGHT-DARK BEHAVIORS OF ZEBRAFISH *DANIO RERIO*. Tulane University Health Science Research Days. New Orleans, LA, Mar. 2010.

Wong K, Elegante M, Bartels B, Elkhayat S, Tien D, Roy S, Goodspeed J, Suci C, Tan J, **Gaikwad S**, Denmark A, Kadri F, Chung KM, Stewart A, Gilder T, Wu N, Frank K, Chang K, Grossman L, Cachat J, Kalueff AV. Title: Modeling behavioral and endocrine phenotypes of epilepsy in adult zebrafish. Tulane University Health Science Research Days. New Orleans, LA, Mar. 2010.

Cachat C, Goodspeed J, Suci C, Roy S, Beeson E, Elkhayat S, Elegante M, Grimes C, Wong K, Denmark A, Stewart A, Wu N, Kadri F, **Gaikwad S**, Grossman L, Chung KM, Frank K, Bartels B, Tien D, Gilder T, Tan J, Chang K, DiLeo J, Kalueff A. MODULATION OF ZEBRAFISH BEHAVIOR AND PHYSIOLOGY BY LYSERGIC ACID DIETHYLAMIDE (LSD). Tulane University Health Science Research Days. New Orleans, LA, Mar. 2010.

PRESENTATIONS:

Aquatic rave: the effects of MDMA (Ecstasy) on zebrafish behavior and physiology. Tulane-Arkansas Tech Neuroscience Symposium: "Stress and Behavior". New Orleans, LA, Apr. 2010.

Modeling habituation responses in zebrafish (*Danio rerio*). Behavioral Sciences Symposium, Arkansas Tech University. Russellville, AR, Nov. 2009

Modeling habituation responses in zebrafish (*Danio rerio*).. Behavior, Biology and Chemistry: Translational Research in Addiction. San Antonio, TX, Mar. 2010.

Certificate Courses:

- CPR (Cardio pulmonary and cerebral resuscitation) at D.Y.Patil Hospital, Navi Mumbai.
- 24 hrs PRA Category 1 Credit by AMA/ACEP, USA at EMCON2008 jointly conducted by State University of New York Upstate Medical University and American Academy of Emergency Medicine in India.
- Certificate Course in Clinical Research organised and conducted by Department of Clinical Pharmacology at KEM Hospital Mumbai spanning over a period of three months under the aegis of Maharashtra University of Health Sciences (MUHS).
- Continuous medical education seminar on role of family physicians in the management of acute coronary syndrome at Asian Heart Institute, Mumbai.
- Conducted Projects under under The Academic Council OF NIIT for a period of six months in,
 - Information Search and Analysis Skills (ISAS)
 - Technical Seminar Presentation
 - Java based Application development
- Criticon 2008- Neuro and Trauma at Jaslok Hospital, Mumbai.
- Trained in WEB – CENTRIC CURRICULUM under The Academic Council OF NIIT for a period of six months.
 - Programming Approaches and Techniques
 - Implementing Database Design using Microsoft SQL Server
- - HTML
 - Unified Modelling Language (UML)
 - Java Programming
- Continuous medical education seminar on ECG and arrhythmias at Asian Heart Institute, Mumbai.
- Continuous medical education seminar on new drugs in diabetes management at Asian Heart Institute, Mumbai
- International Conference on Fundamental and Translational Research on HIV/AIDS: Global Perspective organised jointly by the National Institute for Research in Reproductive Health, and Indian Society for the study of Reproduction and Fertility.
- Continuous medical education seminar on early detection of kidney disorders and day to

day nephrological problems in practice at Asian Heart Institute.

- Continuous medical education seminar on Post-operative CABG management at Asian Heart Institute.

Extra-curricular Activities:

- Certificate Of Excellence for securing Second place in Volley Ball at X'tasy ~ 07 held at MGM Medical College, Navi Mumbai.
- 9th Joe Crasto Memorial Race conducted by United Athletes Sports Club at Mumbai.
- Twice awarded Certificate of Merit for Social Service for efforts in raising funds for projects to help the destitute and distressed, the disabled and handicapped within India irrespective of class, creed and age by LIFE (Let Individuals Feel for Everyone) Mumbai.
- Art Competition conducted by Lions Clubs International, Mumbai.

Languages: English, Hindi, Marathi.