

David H Tien

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EDUCATION

Tulane University – New Orleans, LA
Bachelor of Science, Neuroscience
Bachelor of Art, Anthropology

May 2010
May 2010

RESEARCH EXPERIENCE

Biology Psychiatry

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

Memory Consolidation

May 2008- January 2009

Tulane University, Psychology Department & Neuroscience Program

- Assisted a graduate student in testing the hypothesis that the orbitofrontal cortex is necessary for consolidation of a socially transmitted food preference (STFP)
- Rats were trained on the STFP task and then receive excitotoxic lesion of the orbitofrontal cortex
- Performed STFP behavioral training and testing, transcardial perfusions, brain sectioning on a frozen microtome, and microscopy

Water Quality

August 2006-December 2006

Louisiana Universities Marine Consortium (LUMCON) & Tulane University CMB Department

- Tested water quality of the Mississippi River in conjunction with LUMCON and Tulane University Cell & Molecular Biology Department

GRANT

The Gordon Summer Fellowship

June 2009-August 2009

- Awarded \$3000 to one male and one female student for an innovative summer project designed for intellectual and personal growth

INTERNSHIP

Neuroscience Summer Research Program

June 2009-August 2009

Tulane University School of Medicine, Pharmacology Department & Neuroscience Program

- Research involved zebrafish, *c. elegans*, and mice
- Awarded to 14 Neuroscience students
- Gained experience in a wide range of techniques used by neuroscientists

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 Monhot, **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". *20th Annual Tulane Health Sciences Research Days*. New Orleans, Louisiana. March 2009.
4. **David Tien**, Ryan Moses, Clinton Rogers. "Bayouside Water Quality". *Louisiana Universities Marine Consortium (LUMCON) Research Day*. Chauvin, Louisiana. December 2006.

VOLUNTEER EXPERIENCE

- Touro Hospital** – New Orleans, LA October 2008-Present
- Assist nurses in the Emergency Department
 - Develop good patient and care-taker relationship/communication
- St. Margaret's Nursing Home** – New Orleans, LA October 2008-December 2008
- Assisted a speech therapist, working on residents with mostly cognitive issue and swallowing problems
 - Cognitive issues involve using a picture and word board for residents to communicate

RELEVANT EXPERIENCE

- Resident Advisor** August 2007-Present
- Tulane Housing & Residence Life* – New Orleans, LA
- Received the RA of the Year award for the whole campus for 2008-2009 academic year
 - Coordinate programs and enhanced community development for over 40 residents
 - Develop ability to communicate with candor and confidence, resolve conflict, and ensure mutual respect among residents
 - Able to build and maintain great relationships with residents
- Summer Resident Advisor**
- Tulane Housing & Residence Life* – New Orleans, LA May 2009-August 2009
- Planned, supervised, and facilitated activities, programs, and operations in an area within a residence hall
 - Strived to help each resident develop fully as a person, a student, and an active member of the University through a multiple roles as advisor, friend, administrator, and disciplinarian
 - Play a major role in the implementation of programs and policies that correspond with the goals of Housing and Residence Life
- Summer Orientation Housing Assistant**
- Tulane Housing & Residence Life* – New Orleans, LA May 2008-August 2008
- Responsible for the successful management of summer orientation housing programs
 - In charged with ensuring 100% customer service satisfaction of university guests, new students, and parents

LEADERSHIP AND HONORS

- Chapter Founder & President**, Nu Rho Psi (National Neuroscience Honor Society) *May 2009-Present*
- Founder of local chapter in New Orleans, Louisiana.
- President**, Tulane University Neuroscience Association *August 2008-Present*
- Made the organization to be one of the top three academic organizations at Tulane
 - Create strong bonds with other organizations on campus and have great collaboration with them
 - Doubled the membership since last year
 - Restructures the organization for better efficiency
- Vice-President**, Tulane University Vietnamese Association *August 2008-May 2009*
- Communicated with the student body to promote cultural awareness
 - Created and maintained good relationships among other organizations on campus and other universities
 - Raised money for the poor and sick in Vietnam
 - Worked with four other local universities to promote Vietnamese cultural awareness
- Public Relations**, Tulane University Neuroscience Association *August 2007-May 2008*
Tulane University Vietnamese Association *August 2007-May 2008*
- Communicated with the student body to help promotes educational and cultural awareness
 - Created and maintained good relationships among other organizations on campus
- OMA Ambassador**, Tulane University Office of Multicultural Affairs *August 2007-Present*
- Develop ways to interact with minorities and help them with their transition to Tulane University
 - Developed skills to meet and communicate with new people
- Assistant Online Editor**, Tulane Hullabaloo (Newspaper) *August 2006-May 2008*
- Enhanced and developed new skills for editing photos and documents on computer using various programs
 - Made sure that the Newspaper is available online in a timely manner
- Tulane-Newcomb Big Brother**, Tulane University *August 2007-May 2008*
- Helped incoming freshmen get through their first year smoothly while making it enjoyable and fun for them
 - Developed skills to interact with people that come from different backgrounds
- Class Representative**, Science & Engineering Council of Students *August 2006-May 2008*
- Expressed the views and opinions of my class to the School of Science & Engineering
 - Helped coordinate Science & Engineering Week, promoting various science majors on campus
- Executive Board Member**, Asian American Student United *August 2006-May 2007*
- Promoted Asian awareness on campus
 - Provided a pleasant environment for minorities to meet one another
- Member & Honors:** Omicron Delta Kappa (National Leadership Honor Society), Phi Eta Sigma (National Freshmen Scholar Honor Society), William Mumford Haile, Jr. Scholarship Recipient, Tulane University Dean's List, Tulane University Honor Program, National Society of Collegiate Scholars, Science & Engineering Honor Society, Pre-Medical Society