

**Dr. Zin Khaing  
Schmidt Lab Legend  
2006 – 2014**



**Then  
(Summer 2006)**



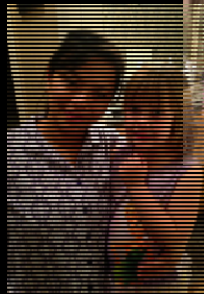
## Now



## Zin nurtures the next generation.... (finding excuses not to work!)



*"Check out this rat skeleton I just happened to have lying around the house."*



*If Zin can't get close to the boss, she'll go after her daughter!*



*Time for a selfie!*



*Zin loves to describe her explosive new discoveries!*



*“NO, you need to listen to me because I am the biggest (almost) person here.”*



*Science is more fun than cooking!*



*Graduate students are getting younger every year!*



**Zin loves arts and crafts....**  
(finding additional excuses not to work)



*“Hey, I have my back-up plans if I don’t make it in science”*



*“Cool, finger painting is not just for kids!”*



**Zin enjoys hanging out...**  
(more excuses not to work??!!)



*note Zin's drink dependency...*



*more drinks ...*



*hmmm... a peaceful  
moment without drinks ...  
(not for long!)*

## Zin enjoys life!



*“OK, pretend that Derek is actually funny”.*



*Yep, the truth is out, Zin really is naughty*

## **Zin also loves her family**



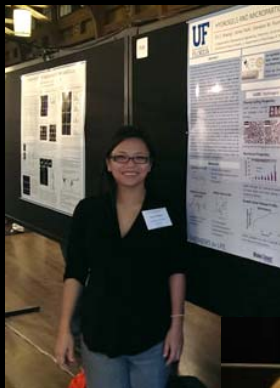
*Let's work together!*



*Maybe not!*



## And, Zin actually did some work!



**not sure if this is  
classified as work!**

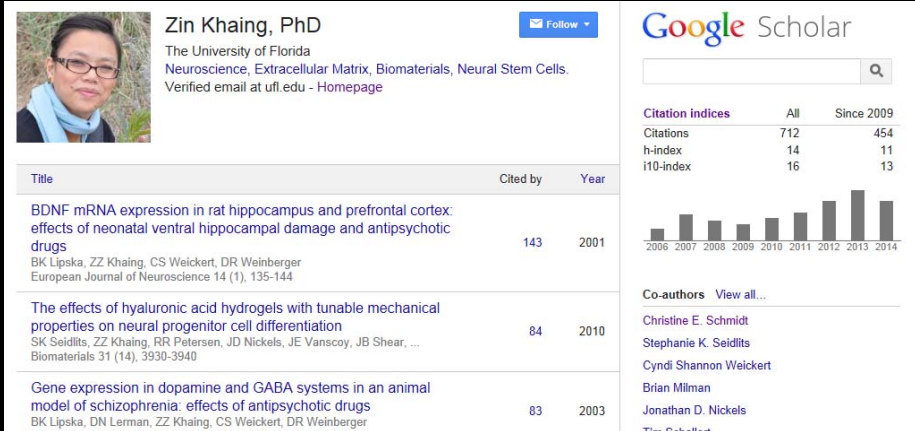


**check out that more  
serious demeanor with  
the boss around...**

## But, really, Zin did work...

1. Wang, Y., Z.Z. Khaing, B. Hall, C.E. Schmidt, A. Ellington (2010). Aptamer antagonists of myelin-derived inhibitors promote axon growth. *PLoS ONE*. 5: e9726.
2. Seidlits, S.K., Z.Z. Khaing, R.R. Petersen, J.D. Nickels, J.D. Vanscoy, J.B. Shear, C.E. Schmidt (2010). The effect of hyaluronic acid hydrogels with tunable mechanical properties on the differentiation of neural progenitor cells. *Biomaterials*. 31: 3930-40.
3. Durgam, H., S. Sapp, C. Deister, Z. Khaing, E. Chang, S. Luebben, C.E. Schmidt (2010). Novel degradable copolymers of polypyrrole support cell proliferation and enhance neurite outgrowth with electrical stimulation. *Journal of Biomaterials Science, Polymer Edition*. 21: 1265-1282.
4. Nagao, R.J., S. Lundy, Z.Z. Khaing, C.E. Schmidt (2011). Functional Characterization of Optimized Acellular Peripheral Nerve Graft in a Rat Sciatic Nerve Injury Model. *Neurological Research*. 33(6):600-608.
5. Khaing, Z.Z., B.D. Milman, J.E. Vanscoy, S.K. Seidlits, R.J. Grill, C.E. Schmidt (2011). High molecular weight hyaluronic acid limits astrocyte activation and scar formation after spinal cord injury. *Journal of Neural Engineering*. 8: 046033.
6. Khaing, Z., D. Kang, A.M. Camello, C.E. Schmidt, D. Siegel (2011). Hippocampal and Cortical Neuronal Growth Mediated by the Small Molecule Natural Product Clovanemagnolol. *Bioorganic & Medicinal Chemistry Letters*. 21: 4808-4812.
7. Khaing, Z.Z., S.A. Geissler, B.D. Milman, S.V. Aguilar, C.E. Schmidt, T. Schallert (2012). Assessing Forelimb Function after Cervical Spinal Cord Injury: Novel Forelimb Tasks Predict Lesion Severity and Recovery. *Journal of Neurotrauma*. 29(3):488-498.
8. Cheng, X., N. Harzendorf, Z. Khaing, D. Kang, A.M. Camello, T. Shaw, C.E. Schmidt, D. Siegel (2012). Neuronal growth promoting sesquiterpene-neolignans; syntheses and biological studies. *Organic and Biomolecular Chemistry*. 10(2):383-393.
9. Spivey, E.C., Z.Z. Khaing, J.B. Shear, C.E. Schmidt (2012). The fundamental role of subcellular topography in peripheral nerve repair therapies. *Biomaterials*. 33(17):4264-76.
10. Khaing, Z.Z., C.E. Schmidt (2012). Advances in Natural Biomaterials for Nerve Tissue Repair. *Neuroscience Letters*. 519:103-114.
11. Khaing, Z.Z., S.A. Geissler, T. Schallert, C.E. Schmidt (2013). Assessing Forelimb Function after Unilateral Cervical SCI using Novel Tasks: Limb Step-Alternation, Postural Instability and Pasta Handling. *Journal of Visualized Experiments (JoVE)*. (79), e50955, doi:10.3791/50955.
12. Martin, D., J. Flavio, A. De Almeida, M.A. Henry, Z.Z. Khaing, C.E. Schmidt, F.B. Teixeira, A. Diogenes (2014). Concentration-Dependent Effect of Sodium Hypochlorite on Stem Cells of Apical Papilla (SCAP) Survival and Differentiation. *Journal of Endodontics*. 40(1): 51-55.
13. Khaing, Z.Z., R.C. Thomas, S.A. Geissler, C.E. Schmidt (*in press*). Advanced Biomaterials for Repairing the Nervous System: What can Hydrogels do for the Brain? (invited review) *Materials Today*.

## In fact, she is a true scholar...



**Zin Khaing, PhD**  
The University of Florida  
Neuroscience, Extracellular Matrix, Biomaterials, Neural Stem Cells.  
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**Google Scholar**

Citation indices

	All	Since 2009
Citations	712	454
h-index	14	11
i10-index	16	13

**Publications:**

Title	Cited by	Year
BDNF mRNA expression in rat hippocampus and prefrontal cortex: effects of neonatal ventral hippocampal damage and antipsychotic drugs BK Lipska, ZZ Khaing, CS Weickert, DR Weinberger European Journal of Neuroscience 14 (1), 135-144	143	2001
The effects of hyaluronic acid hydrogels with tunable mechanical properties on neural progenitor cell differentiation SK Seidlits, ZZ Khaing, RR Petersen, JD Nickels, JE Vanscoy, JB Shear, ... Biomaterials 31 (14), 3930-3940	84	2010
Gene expression in dopamine and GABA systems in an animal model of schizophrenia: effects of antipsychotic drugs BK Lipska, DN Lerman, ZZ Khaing, CS Weickert, DR Weinberger	83	2003

**Co-authors:** Christine E. Schmidt, Stephanie K. Seidlits, Cyndi Shannon Weickert, Brian Milman, Jonathan D. Nickels, Tim Schaller

*because the Internet says so*

## Seriously, Zin, we are sorry to see you leave!



*"another #@\$! move"*