



The ADHD Research Study



A Marriage of 2 Studies

We are pleased to announce a new and unique opportunity for all children who have completed an MRI scan. Recent funding was awarded to study ADHD, Control, and Autism Spectrum brain development. Children and one parent are invited for one 3-hour testing visit which would entail washout of stimulant medication, questionnaires, testing, and compensation (Parent \$30, Child \$20). You may have already received a letter or flyer regarding this collaborative study. Only participants from the ADHD Research Study are invited (as ADHD and Control participants). If you are interested, please contact our friends at the Brain Development Study (IRB 5239).

503-418-1896 or neurolab@ohsu.edu

Notice a packet in your mailbox?

We've responded to parent suggestions about needing more time to complete questionnaires at our testing visits. Parents may notice a blue packet of forms being sent prior to the annual visit. Please complete as many pages as you can and bring it in at the time of your appointment.



Phone and Email Check-Ins

We will be contacting you during the year to complete phone check-ins (*even Wave 4!*), apprise you of new opportunities, remind you of visits, and keep your file current. We value your time and look forward to speaking with you!



Hats off to our Outreach Team!

Staff from our studies are taking part in a collaborative effort to raise research and Science, Technology, Engineering, & Math (STEM) education awareness for underserved populations through the Youth Engaged in Science (YES!) program. Recently, they provided 7th – 10th graders with a tour of our research labs and the MRI machine. They are making plans to host the SAIL@PSU summer program for a 3-day cluster of interactive learning in mid-July. This is small part of giving back to our community and promoting interest with research and science. Good work!

Sliding into a Great Year

A note from the investigator: Joel Nigg, PhD



Since January 2009, we have screened over 1500 families, enrolled 418 in the 3-year heart-rate study and 318 in the 3-year MRI study. We are doing great!

A continued priority in the project is to understand ADHD at what we call 'multiple levels'—that means behavior, cognition, brain, and genes. Recently we have completed several analyses of how brain circuits relate to cognition and behavior in children with and without ADHD. We have emphasized a method not often used before, in which we look at how parts of the brain "talk to one another" when not working on a task. This background brain activity is believed to be part of how the brain fine tunes its communication system. In one analysis, this type of brain activity allowed us to predict ADHD diagnosis more accurately than prior brain measures have done (70-80% accuracy; much better than prior attempts). In another analysis, we were able to create biological subgroups of ADHD based on brain profiles. This has been a long standing goal in the field and we are hopeful that we can continue to make progress here. We will connect these findings to the work we told you about in the last newsletter, with subtyping based on neuropsychology, physiology, and temperament. Thank you for contributing to the study!

Brrrrr...ing on the Babies

Pregnant Mom, Nutrition, & Infant MRI Study: (IRB 6749) The purpose is to study effects of diet on neural connectivity. Mothers in their 2nd trimester who have attention difficulties could be eligible for a nutrition intervention study during pregnancy followed by a safe infant scan after child's birth.

Infant Imaging Feasibility Study: (IRB 7229) The purpose is to learn more about giving MRI scans to infants younger than 26 months old. Open to all healthy infants.

Contact: **(503) 418-8249 or dunnem@ohsu.edu**



Moved?

(503) 418-5508 or (877) 678-ADHD

Change of phone/address?

ohsuADHD@ohsu.edu

Questions?

Comments?

www.ohsu.edu/adhdrs

KIDS CORNER!

Valentine's Day Word Search

Find the hidden words associated with St. Valentine's Day.

K	O	C	X	X	D	L	E	C	N	H	F	F	R	I	M	T	E
G	D	B	A	I	V	A	U	W	S	V	A	M	O	U	R	J	W
W	G	W	O	P	U	P	P	A	R	R	P	U	P	V	R	B	K
K	F	I	S	P	I	Y	A	D	E	S	O	C	G	U	U	B	G
S	U	L	F	D	X	D	S	A	W	D	D	M	B	W	O	L	X
S	D	F	W	T	S	C	S	R	O	R	S	F	E	G	M	B	T
S	O	E	B	A	S	S	I	L	L	A	N	F	L	O	A	E	W
W	M	W	A	S	P	K	O	I	F	C	U	W	O	T	R	J	Q
E	X	M	G	R	B	P	N	N	N	E	N	F	V	Z	A	I	N
E	L	S	Y	S	E	Z	E	G	F	I	G	I	E	F	P	C	O
T	I	X	G	T	G	S	Q	Q	C	J	K	A	D	F	C	U	W
H	Q	A	W	S	U	T	Z	T	U	P	C	R	S	N	U	F	
E	P	H	P	T	L	E	N	G	A	P	M	A	H	C	V	R	R
A	Q	S	R	U	E	Z	V	E	O	E	C	F	K	J	L	K	P
R	P	A	N	E	B	J	B	O	P	T	C	I	U	C	X	Y	I
T	E	U	O	A	D	J	W	N	R	V	J	N	A	H	O	C	V
H	C	C	H	O	C	O	L	A	T	E	M	N	A	X	B	V	W
F	V	A	L	E	N	T	I	N	E	A	D	C	A	M	T	B	O
V	E	V	O	L	B	Z	J	A	N	Y	T	K	F	R	O	Q	F
P	X	I	T	N	R	F	E	V	O	L	E	U	R	T	H	R	E
H	C	N	O	W	S	M	E	O	P	Y	X	E	K	W	D	J	O

AMOUR
BEAU
BELOVED
CANDY
CARDS
CHAMPAGNE
CHOCOLATE
CUPID
DARLING
DEAREST
FLOWERS
GIFTS
HEARTS
LOVE
PARAMOUR
PASSION
POEMS
ROMANCE
ROMEO
SWEETHEART
TRUE LOVE
VALENTINE

Squigly's Riddler

Squigly has a riddle for you. Use the clues to fill in the words, then transfer each letter to the corresponding number in the answer of the riddle. Note: Numbers may be used more than once but always equal the same letter. You can work back and forth between the clues and the answer.

Why was the man disappointed with his snow tires?

1	2	3	4	5	6	7	8	9	10	11
	12	13	14	15	16	17		18	19	
20	21	22			23	24	25	26	27	28

Clues:

Strong

23 15 5/24 28 17 11

Flower
Part

6 15 13 26

Tots

3 21 18 14 17 28 10 19

Man

12 4 14 7

Accuse

1 14 4 25 27

Study

14 16 4 28 11

Molars

8 2 22 20 9

