**Private website**

**Top banner:**

Logos of Marinos, HMS, MGH, transcend, with links as appropriate

Make those logos larger and centered

Tal Kenet’s Lab

MUCH smaller font – this reads like shouting to me… More proportional to logos

Studying the Neurophysiology of typical Development and Neurodevelopmental Disorders

Larger and fancier font, same size as my name, and only a couple of points larger than the menu fonts.

Also, please make the background for the whole site white. The fonts can have a color. Maybe play with deep orange / deep red / deep blues?

HOME

Our research is focused the spatio-temporal dynamics of cortical function, in normal development, and in neurodevelopmental disorders such as autism spectrum disorders and attention deficit disorders. We hope that through the understanding of these dynamics, we can ultimately develop objective brain based biomarkers for different disorders, better models of these disorders, and an understanding of the neural mechanisms that underlie typical development and how those mechanisms go awry in developmental disorders. Eventually, we hope that this approach will facilitate the development of novel treatments and perhaps even cures.

Picture of me in MEG, and fancy one of research. I will send later, for now use something random. On second thought – no picture of me there – just in the contact section.

**Contact (I think this can be on home page – changed my mind there too – just have it in contact tab, and add my picture in the MEG, small, next to info.):**

Tal Kenet

Massachusetts General Hospital

[149 13th Street](http://www.nmr.mgh.harvard.edu/about/directions)

Room 2275

Charlestown, MA, 02129

Phone: 617-643-6732

Email: Tal at nmr dot mgh dot Harvard dot ed

PEOPLE (I will ask them all to provide photos and updated links if available)

FOR ALL: Photos should be SMALL, almost thumbnails next to link to their sites. For me, can be same MEG picture, or very small cropped thumbnail of the one you have there. There should also be a small sub menu with “PI”, “Post-doctoral fellows”, “research coordinators” and “alumni”, horizontal under “people” to navigate.

PI

Remove my email from there

Post-doctoral fellows:

Sheraz Khan

<http://martinos.org/~sheraz/>

Hari Bharadwaj

<http://www.haribharadwaj.com/>

Fahimeh Mamashli

<https://connects.catalyst.harvard.edu/Profiles/display/Person/123516>

Research Coordinators:

Ainsley Losh

Allie Leora Surchin

ALUMNI

Post-Doctoral Fellows:

Manfred G. Kitzbichler

<http://www.neuroscience.cam.ac.uk/directory/profile.php?manfred>

Javeria Al Hashmi

<https://scholar.google.com/citations?user=cBg-qWcAAAAJ&hl=en>

<http://www.researchgate.net/profile/Javeria_Hashmi>

Konstantinos Michmizos

<https://scholar.google.com/citations?user=vcNZjNoAAAAJ&hl=en>

Research Coordinators (past 3 years)

Keri-Lee Garel

<http://www.researchgate.net/profile/Keri_Lee_Garel>

Manuel Zetino

**Research (drop the “and techniques” from menu)**

We are interested primarily in local (within a centimeter roughly) and long range (several centimeters or more) functional connectivity measures, both at rest and when the brain is engaged with a task. Functional connectivity within and between different cortical areas is a common measure of healthy or abnormal brain function. To assess abnormalities in functional connectivity, a “baseline” must first be determined, using typically developing individuals. Functional connectivity is then compared between those individuals, and individuals with various developmental disorders, such as autism or ADHD. These differences can then be used to infer information about the underlying mechanisms of the disorder being studied.

Since we’re interested in spatio-temporal dynamics of cortical activity, we need a non-invasive tool that would have both spatial and temporal resolution. Our primary tool is a [magnetoencephalography (MEG)](http://www.martinos.org/meg/) machine. The MEG is non-invasive, and, as its name suggests, reads the magnetic output of the brain with millisecond temporal resolution. The signals can be localized to cortical sources with an accuracy of about a centimeter.

[If you’re interested in participating in our research, please click here.](http://martinos.org/~alexr/pub/transcend/)

Again, a couple of cool pictures need to be added. I will provide.

**Publications: (please update this section as below)**

An updated list of publications can be found here:

<https://scholar.google.com/citations?user=nBaJOigAAAAJ&hl=en>

**Funding and support**

We are grateful to the following organizations for their support of our research:

[**Nancy Lurie Marks Family Foundation**](http://www.nlmfoundation.org/)

[**Simons Foundation for Autism Research**](http://sfari.org/)

[**Autism Speaks**](https://www.autismspeaks.org/)

[**NICHD**](https://www.nichd.nih.gov/Pages/index.aspx)