





Epilepsiome

A database on epilepsy and genes developed by the Genetics Commission of the ILAE

About the GC

Q search

By disease

The genetic epilepsies explained by disease

About Epilepsiome

- Dravet Syndrome
- West Syndrome
- Genetic Generalized Epilepsies
- Benign Neonatal and Infantile Seizures
 - ...additional diseases

most relevant terms in 2014: Dravet Syndrome, Absence Epilepsy, Juvenile Myoclonic Epilepsy, Lennox-Gastaut-Syndrome, West Syndrome, Infantile Spasms

By mechanism

Theories on how genes link to epilepsy

- Channelopathies
- Neuronal Migration
- De novo mutations
- Pharmacoresistance
 - ...additional mechanisms

most relevant terms in 2014: de novo mutations, copy number variations, CNV, recessive disorders, GEFS+, genotype-phenotype correlation, brain malformations

By genes

Our blog

The genes implicated in human seizure disorders

EpiGAD

SCN1A

About the ILAE

- · CDKL5
- PCDH19
- STXBP1
- ...additional genes

most relevant terms in 2014: SCN2A, LGI1, STXBP1, SCN9A, CHD2, ALG13, HDAC1, PCDH19, HCN1, PGAP2, ME2, EFHC1, BRD2, ARX, LIS1

SiteMap

By concept

Terms and concepts that you might want to know

- Genome-wide association study
- Exome sequencing
- Epigenetics explained
- Variable expressivity and penetrance
 - ...additional list of relevant terms

most relevant terms: GWAS, exome sequencing, de novo mutations, copy number variations, microdeletions, genome sequencing

Recent blog posts

- HCN1 in Dravet Syndrome
- FIG4 in polymicrogyria
- QARS in EE
- PNPO and neonatal epilepsy

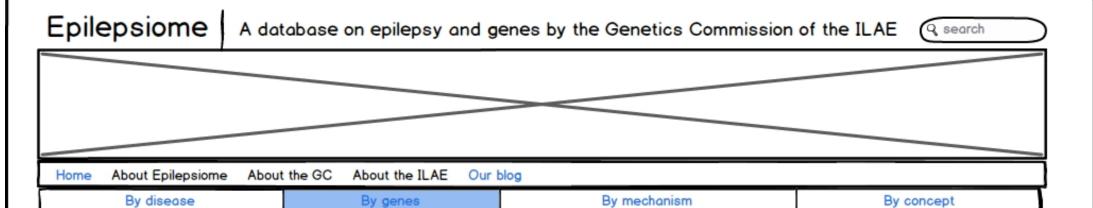
Receive most recent updates on epilepsies together with xxx other people

Most recent updates

- Gene A and disease B
- Gene B and disease C
- Gene C and disease D
- Gene D and disease E
- Gene E and disease F







Featured syndrome of the month

XY Syndrome is a severe epilepsy of Infancy that usually present in othewise healthy children. Various genes have been implicated in the etiology of XY, but solid evidence for a contribution of the SCNXA gene could only be obtained in 2013...

...read more

Epilepsy syndromes A-Z

	Diseases	and Sync	Iromes - A -	Diseases	and Synd	lromes - B -
	Disease A	Disease A	Disease A	Disease A	Disease A	Disease A
	Disease B	Disease B	Disease B	Disease B	Disease B	Disease B
	Disease C	Disease C	Disease C	Disease C	Disease C	Disease C
	Disease D	Disease D	Disease D	Disease D	Disease D	Disease D
	Disease E	Disease E	Disease E	Disease E	Disease E	Disease E
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	Diseases	and Sync	Iromes - C -	Diseases	and Synd	romes - E -
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Q search

Home	About Epilepsiome	About the GC	About the ILAE	Our blog	EpiGAD	
	By disease		By genes		By mechanism	By concept

Featured gene of the month.

SCN1A - alpha 1 subunit of the voltage-gated sodium channel

Gene 5

SCN1A is the most prominent epilepsy gene to date, causing a range of epilepsy syndromes. Most prominently, mutations in SCN1A are the genetic cause of Dravet Syndrome, formerly Severe Myoclonic Epilepsy of Infancy. In addition, SCN1A is implicated in the familial syndrome of GEFS+, Genetic/Generalized Epilepsy with Febrile Seizures Plus. But there are some more aspects about SCN1A that are less well known

Gene 13

Gene 9

...read more

Epilepsy genes A-Z

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Gene 1

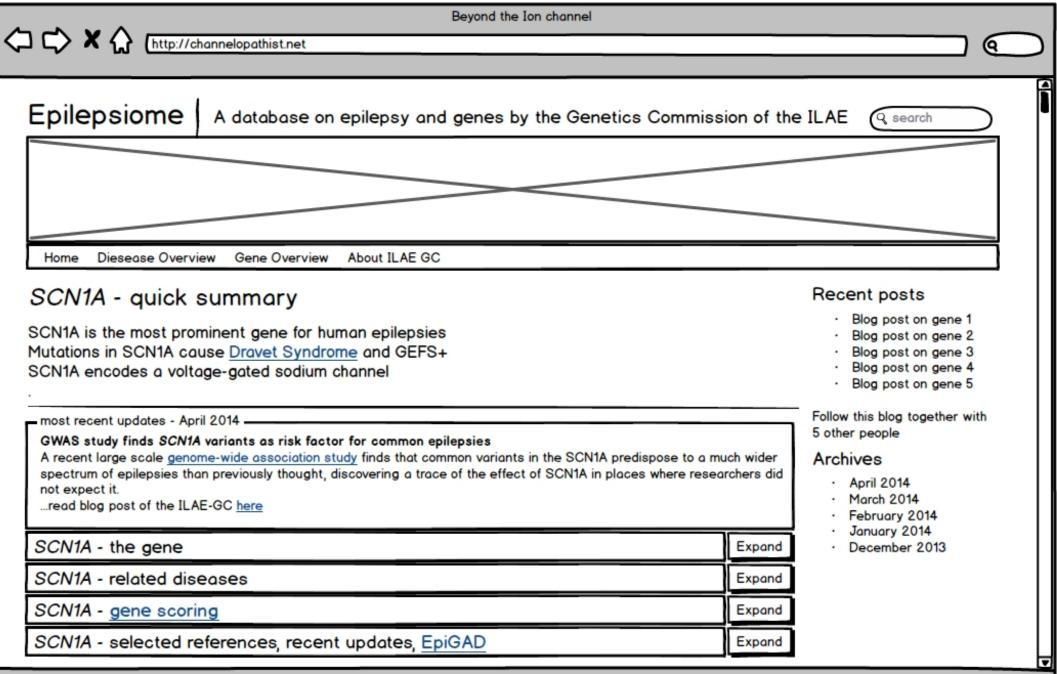
Gene 6 Gene 7	Gene 10 Gene 11	Gene 14 Gene 15 Gene 16
Gene o	Gene 12	Gene lo
Gene 5	Gene 9	Gene 13
Gene 6	Gene 10	Gene 14
Gene 7	Gene 11	Gene 15
Gene 8	Gene 12	Gene 16
	Gene 8 Gene 5 Gene 6 Gene 7	Gene 7 Gene 11 Gene 8 Gene 12 Gene 5 Gene 9 Gene 6 Gene 10 Gene 7 Gene 11

Recent blog posts

- Blog post on gene 1
- Blog post on gene 2
- Blog post on gene 3
- Blog post on gene 4
- Blog post on gene 5

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- Gene C and disease D
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- Gene E and disease F





http://channelopathist.net



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Channelopathies - Are we really beyond the ion channels?

Posted on 01.05.2014 by John Doe

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Section 1

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Section 2

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Recent posts

- Blog post on gene 1
- Blog post on gene 2
- Blog post on gene 3
- Blog post on gene 4
- Blog post on gene 5

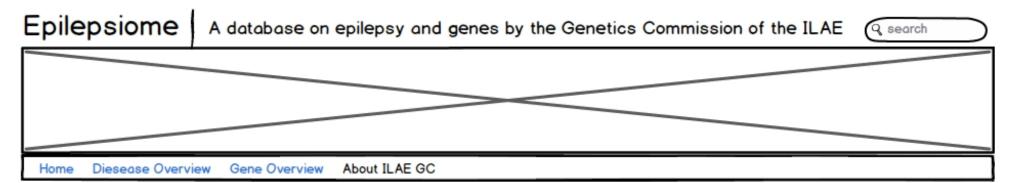
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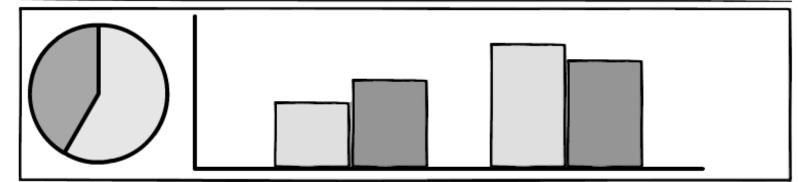






Finding the tiny, tiny puzzle pieces of genetic risk or what is a genome-wide association study?

Posted on 01.05.2014 by John Doe



Section 1

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- Blog post on gene 5

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- December 2013





Beyond the Ion Channel

The Channelopathist is a blog about the genetics of the epilepsies search

About ILAE-GC

Beyond the Ion Channel

EpiGAD

Blog post on gene 1

Posted on 01.05.2014 by John Doe

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Blog post on gene 2

Posted on 01.05.2014 by John Doe

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- December 2013





EpiGAD The Genetic Association Database of the ILAE - integrated in Epilepsiome

Q search

About ILAE-GC Beyond the Ion Channel EpiGAD

Gene	Study	phenotype 🗢	rs 💠	p-value ≑	OR\$	comment
SCN1A	Epicure	IGE	rs234235	10 e-5	2.1	GWAS
STXBP1	Epicure	IGE	rs675435	5 e-6	1.1	GWAS
SCN9A	Epicure	IGE	rs34665	7 e-4	0.9	GWAS
GABRG2	Asian collaborative study	BRE	rs43535	10 e-5	1.1	
PNPO	XYZ group	TLE	rs859535	5.6 e-6	1.5	
ME2	TLE study group	TLE	rs234235	10 e-5	2.1	GWAS
BRD2	Doe et al.	IGE	rs234235	10 e-5	2.1	
SYNGAP1	XY Consortium	TLE	rs234235	5 e-5	2.5	GWAS
SLC2A1	Mueller et al.	focal	rs234235	6 e-5	2.1	
SCN3A	Meyer et al.	all epilepsy	rs234235	7 e-5	2.5	

What is EpiGAD

Posted on 01.05.2014 by John Doe EpiGAD is the genetic association database of the ILAE Genetic Commission. We survey the literature of genetic association studies in the field and collate the data on the reported results within this webpage.

