Carles Vilariño i Güell

Autor:
Data de publicació: 02-06-2016

Aquesta troballa és del que més orgullós em sento perquè és el primer gen causant d'esclerosi múltiple i espero que tingui una àmplia repercussió en les opcions de tractaments futurs per als pacients ", assegura Vilariño-Güell

Aquesta troballa és del que més orgullós em sento perquè és el primer gen causant d'esclerosi múltiple i espero que tingui una àmplia repercussió en les opcions de tractaments futurs per als pacients ", assegura Vilariño-Güell

Assistant Professor and Canada Research Chair in Molecular Characterization of Neurological Diseases

Vancouver, Canada AreaResearch

Current

The University of British Columbia,
Synaptitude Brain Health,
DMCBH Next Generation Sequencing Centre

Previous

The University of British Columbia,
Mayo Clinic,
University College London - Institute of Neurology

Education

University of Leicester

219connections

Send Carles InMail

https://ca.linkedin.com/in/carles-vilarino-guell-50013911

Contact Info

Background

Summary

To successfully develop therapeutic initiatives designed to eradicate the causes of disease, rather than treat its symptoms, it is paramount to have a clear understanding of the underlying biological mechanisms implicated in the development of such diseases. My research is focused on the identification of the molecular components implicated in highly prevalent neurological diseases; including multiple sclerosis and essential tremor. To identify the key molecular players implicated in the onset of these neurological diseases, our research is focused on the characterization of multi-incident families and large multi-ethnic populations from around the globe.

Experience

Assistant Professor and Canada Research Chair in Molecular Characterization of Neurological Diseases

The University of British Columbia
October 2012 – Present (3 years 9 months)Brain Research Centre

Director of Genetics
Synaptitude Brain Health
January 2015 – Present (1 year 6 months)
Synaptitude Brain Health seeks to leverage the amazing advances in brain imaging, genomic, energetics, and cell signaling for the benefit of human brain health, with the goal of maximizing the potential of neuroplasticity. For additional information please visit www.synaptitudebrainhealth.com

Director
DMCBH Next Generation Sequencing Centre
August 2013 – Present (2 years 11 months)Centre for Brain Health, University of British Columbia
The Centre for Brain Health (CBH) within UBC is a Certified Service Provider for whole exome, transcriptome and targeted DNA or RNA sequencing. For additional information please visit www.ngs.med.ubc.ca

Adjunct Professor
University of Saskatchewan
July 2012 – Present (4 years)

Research Associate
The University of British Columbia
August 2010 – September 2012 (2 years 2 months)

Assistant Professor in Neuroscience
Mayo Clinic
February 2007 – July 2010 (3 years 6 months)
Identification and study of the genetic components implicated in Parkinson disease and related movement disorders

Postdoctoral Research Fellow in Statistical Genetics
University College London - Institute of Neurology
September 2005 – January 2007 (1 year 5 months)

Postdoctoral Research Fellow
University of Oxford
April 2003 – August 2005 (2 years 5 months)

Publications

Nuclear Receptor NR1H3 in Familial Multiple Sclerosis(Link)
Neuron
June 1, 2016
Multiple sclerosis (MS) is an inflammatory disease characterized by myelin loss and neuronal dysfunction. Despite the aggregation observed in some families, pathogenic mutations have remained elusive. In this study we describe the identification of NR1H3 p.Arg415Gln in seven MS patients from two multi-incident families presenting severe and progressive disease, with an average age at onset of 34...more

Genetic variants in IL2RA and IL7R affect multiple sclerosis disease risk and progression(Link)
Neurogenetics
April 2014

Progressive multiple sclerosis does not associate with rs996343 and rs2046748.(Link)
Multiple Sclerosis
December 2013

Analysis of CYP27B1 in multiple sclerosis.(Link)
Journal of Neuroimmunology
November 2013

DNAJC13 mutations in Parkinson disease.
Human Molecular Genetics
November 2013

Identification of FUS p.R377W in essential tremor.
European Journal of Neurology
July 2013

VPS35 mutations in Parkinson disease.(Link)
American Journal of Human Genetics
July 2011

Translation initiator EIF4G1 mutations in familial Parkinson disease.(Link)
American Journal of Human Genetics
September 2011

Association of LRRK2 exonic variants with susceptibility to Parkinson's disease: a case-control study.(Link)
Lancet Neurology
October 2011

DCTN1 mutations in Perry syndrome.(Link)
Nature Genetics
February 2009

A genetic risk factor for periodic limb movements in sleep.(Link)
New England Journal of Medicine
January 2008

Languages

English
Full professional proficiency

Spanish
Native or bilingual proficiency

Catalan
Native or bilingual proficiency

Skills

Top Skills

22Genetics

20Neuroscience

16Molecular Biology

13Molecular Genetics

11Genomics

8Research

7Neurodegenerative...

5Neurological Disorders

5PCR

4Neurology

Carles also knows about...

4Sequencing

3Biology

3Immunofluorescence

3Science

2Cell Biology

Education

University of Leicester
PhD, Molecular Genetics
1999 – 2003

Universitat de Barcelona
BSc, Biology
1995 – 1999