

# GENETICS, BIOINFORMATICS, & SYSTEMS BIOLOGY COLLOQUIUM



**BRYAN TRAYNOR MD, PHD**  
*National Institute for Health*

THURSDAY JANUARY 27TH  
12:00PM PST  
ON ZOOM!

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## USING GENOMICS TO UNRAVEL AMYOTROPHIC LATERAL SCLEROSIS

Dr. Traynor will discuss how genomics is being used to better understand the pathogenesis of amyotrophic lateral sclerosis.

Dr. Bryan Traynor, M.D., Ph.D., is a neurologist and Senior Investigator at the National Institute on Aging, and adjunct professor at Johns Hopkins University. Dr. Traynor is best known for his work aimed at understanding the genetic etiology of amyotrophic lateral sclerosis (ALS) and frontotemporal dementia (FTD). He led the international consortium that identified pathogenic repeat expansions in C9ORF72 as a common cause of ALS and FTD. He has over 200 publications in professional journals, including *Neuron*, *New England Journal of Medicine*, and *Nature Neuroscience*, and has received numerous awards for his work including the NIH Director's award, the Derek Denny-Brown award, the Sheila Essey award for ALS Research, and the Potamkin Prize for Research in Pick's, Alzheimer's, and Related Diseases. He has sat on the editorial boards of *JAMA Neurology*, *JNNP*, and *Neurobiology of Aging*, and is an associate editor of *Brain*.

He received his medical degree, a Medical Doctorate, and a Doctor of Philosophy from University College Dublin. He also received a Masters in Medical Science from HST Harvard-MIT. He completed a Neurology residency and fellowship training at Massachusetts General Hospital and Brigham and Women's Hospital, Boston, and was a Staff Neurologist at Harvard Medical School and Massachusetts General Hospital before moving to Bethesda.

Organization Committee: J. Gleeson, J. Sebat  
GBSBC Seminar Coordinator: R. White

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