

Brain Disorders 2016

2nd International Conference on Brain Disorders and Therapeutics

Chicago, USA October 27-29, 2016

Brochure

Brain Disorders 2016



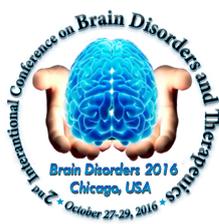
Conference Secretariat

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Invitation

OMICS International welcomes you to attend the **2nd International Conference on Brain Disorders and Therapeutics** during **October 27-29, 2016** at **Chicago, USA**.

We cordially invite all the participants who are interested in sharing their knowledge and research in the arena of Brain Disorders and Neurology.

Brain Disorders 2016 anticipates more than 300 participants around the globe with thought provoking Keynote lectures, Oral and Poster presentations. The attending delegates include Editorial Board Members of related OMICS International Journals.

This Conference will provide a forum for exchange of ideas and authoritative views by leading scientists as well as business leaders and investors in this exciting field. Outstanding keynote speakers and well known leading scientists and experts from around the globe will be expected to share their knowledge.

It is a broad audience gathering for exploring the advancement in brain disorders which focus on its prevention and treatments. This is an excellent opportunity for the delegates from Universities and Institutes to interact with the world class Scientists. The intending participants can confirm their participation by registering for the conference along with your colleagues. Avail the delegate early bird offer.

The main theme of the conference is "**Rethinking the Brain: Spread Your Intellectual Insight in Comprehending Brain**".

We have the pleasure to invite and welcome you for the participation to our exciting conference. Let us meet in one of the most glorious cities in the world.

Regards,
Brain Disorders 2016
Organizing Committee

Past Conference Report

International Conference on Brain Disorders and Therapeutics was organized during **August 24-26, 2015** at **Crowne Plaza London, UK**. With the support and contribution of the Organizing Committee Members, we successfully hosted the event at the conference venue.

There are infinite reasons which made the **Brain Disorders 2015** outstanding conference. We couldn't have done it without the support of Organizing Committee and belief towards our organization, which mutually made to achieve **Brain Disorders 2015** a new heights in the field of Neuroscience.

The conference was marked with the attendance of Directors of Leading Universities, Neurologist, Neurosurgeons, Psychiatrist, Professors and young & brilliant researchers, business delegates and talented student communities representing more than 30 countries, who have driven this event into the path of success.

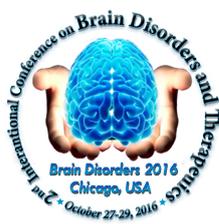
The conference was organized around the theme "**Exploring the Challenges and Recent Innovations in Prevention, Diagnosis and Treatment of Brain Disorders**". The event implanted a firm relation of upcoming strategies in the field of Brain Disorders with the scientific community. The conceptual and applicable knowledge shared, will also foster organizational collaborations to nurture scientific accelerations.

The conference proceedings were carried out through various Scientific-sessions and plenary lectures, of which the following Speakers were highlighted as Keynote speakers: **Theresa D Hernandez, University of Colorado, USA**; **Natalie Rasgon, Stanford Health Care, USA**; **Hans von Holst, Royal Institute of Technology, Sweden**; **Mark S Kindy, Medical University of South Carolina, USA**; **Wayne Grant Carter, University of Nottingham, UK** and **Harish C Pant, National Institute of Neurological Disorders and Stroke, USA**

So as continuation of **Brain Disorders 2015**, we would like to heartily invite you to our upcoming **2nd International Conference on Brain Disorders and Therapeutics** scheduled at **Chicago, USA** during **October 27-29, 2016**.

We look forward to see your benign presence with active contribution and support to make this event successful once more.

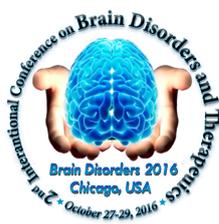




Brain Disorders Market Analysis

- *Chicago is the most populous city in the United States. There are about 15 Universities in and around Chicago which are working in the field of Brain disorders. Around 1000 neurologist, psychiatrist and neurosurgeons are working exclusively on brain disorders in Chicago. Along with professional services, media companies are concentrated in Chicago and the media distribution industry is Chicago's second most competitive sector.*
- *Brain Disorders are the most common cause of serious disability and have a major but often unrecognized, impact on health and social services.*
- *There are 10 million people in the USA living with a neurological condition which has a significant impact on their lives. Mainly stroke, epilepsy, dementia, headache and head injury are the neurological conditions seen mostly in USA.*
- *It has been estimated that the lifetime risk of developing brain and other central nervous system cancer is **1 in 133 for men and 1 in 185 for women** in the USA.*
- *Each year 600,000 people (1% of the USA population) are newly diagnosed with a brain disorders condition. Primary brain tumors represent about 1.6% of all tumors diagnosed in the USA.*
- *The aggregate costs of all mental disorders in the United States are £32 billion.*
- *National Alliance provided fund of \$650 million to fuel the research on mental illness.*
- *NARSAD Young Investigator Grant provides \$30,000 per year on research in brain and behavior disorders such as schizophrenia, mood disorders, anxiety disorders, or child and adolescent mental illnesses.*
- *Brain tumor research receives less than 1% (0.7%) of national cancer research spending in the USA.*





Conference Scientific Highlights

Brain Disorders

Brain disorders occur when brain is damaged by injury, disease, or health conditions. The three brain chemicals noradrenaline, dopamine and serotonin are involved in both bodily functions and brain. The goal of this session is to understand the Causes, Origin, Genesis and Source of various types of brain disorders. The causes of brain disorders: Brain trauma, Stroke, Viral infections, Tumor, Brain's electrical pathway and Genesis of Brain

Structural and Functional Brain

The structural connectivity describes anatomical connections linking a set of neural elements whereas functional connectivity is generally derived from time series observations, and describes patterns of statistical dependence among neural elements. Brain connectivity is thus crucial to elucidating how neurons and neural networks process information.

Brain Disorders: Pathophysiology

There pathophysiology of brain disorders was affected by many factors such as Molecular and cellular mechanism, Altered cerebral hemodynamics, Cerebrovascular autoregulation, Cerebral oxygenation, Excitotoxic cell damage, Inflammation, Cerebral metabolic dysfunction and Changes in coordination or balance

Brain Disorder Manifestation

The common symptoms brain disorders may includes: Seizures, loss of sensation, Muscle weakness, Paralysis and Impaired Cognitive Function.

Analysis, Assesment and Diagnosis

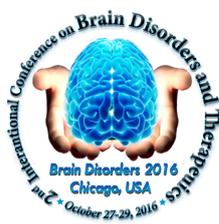
Diagnostic tests and procedures are vital tools that help physicians confirm or rule out the presence of a neurological disorder or other medical condition. Tests and techniques such as Chorionic villus sampling, Pre-symptomatic testing, Biomarkers, Molecular diagnostics, Neuroimaging and Human Neuroimaging are commonly used to diagnose

Brain Associated Complications

Epilepsy may occur as a result of a number of other conditions including tumors, strokes, head trauma, previous infections of the central nervous system, genetic abnormalities, and as a result of brain damage around the time of birth. Parkinson's disease is a degenerative disorder of the central nervous system mainly affecting the motor system. The motor symptoms of Parkinson's disease result from the death of dopamine-generating cells in the substantia nigra, a region of the midbrain.

NeuroImmunology of Brain

Neuroimmunology is the study of the interaction between our central nervous system (the brain and spinal cord) and our immune system. The goal of this session is to know more about: Neuroimmunology, Neurovirology, Neuro-immune pathology, Neuro-immune Interaction, Neuropharmacology and Therapeutics, Neuropeptides and Neurohormones, Neurobiology of Brain Disorders and Neurolinguistics and Neuroheuristics



Head ache and Migraines

Headaches are generally classified into two main types: primary headaches and secondary headaches. A migraine, which is a disabling, recurring headache that frequently occurs only on one side of the head and often results in other symptoms, is one type of primary headache. Cluster headaches, which are less common than migraines or tension headaches, usually bring severe pain are treated with anti-nausea drugs and abortive or preventive medications. Headache remedies include pain relievers.

Neurodegeneration and Aging-Related Disorders

Neurodegeneration is the process by which a part of your brain dies as a result of trauma or disease. Aging is the overwhelming risk factor for developing any of a number of phenotypically distinct neurodegenerative diseases, and the increasing prevalence, along with human life span, represents a major scientific challenge for the biomedical research community and a growing public health problem.

Psychiatric Brain

Psychiatric disorders, including depression, schizophrenia, and bipolar disorder, affect millions of people around the world. In this session we will be discussing about: Neurology, Psychiatry, Psychotherapy, Psychopathology, Brain research, Neuropsychiatry and Neuropsychimmunology

Cerebro spinal Complications

Cerebrospinal fluid bathes the brain and spinal cord and acts as a cushion to protect these areas. CSF leaks occur through a communication between the lining of the brain and the nose. These communications may occur spontaneously or result from trauma or prior sinonasal surgery. Complications may occur if the cause is surgery or trauma. Infections after surgery or trauma can lead to meningitis and serious complications, such as swelling of the brain. Most CSF leaks are a complication of a spinal tap or surgery.

Brain Nursing

The goal of these session is to know nursing activities that have the potential to maximize outcomes for severe brain disorders. In this session we will be discussing about: Advance Practice Nursing, Geriatric Nursing, Movement Disorders, Multiple Sclerosis, Neuro-Oncology, Neurotrauma, Pediatrics Nursing, Spine and Stroke

Novel Treatment Strategies

The goal of this session is to understand the Novel Treatment strategies like Therapeutic brain stimulation (electric and magnetic), Tau-Based Treatment Strategies in Neurodegenerative Diseases, Anti-amyloid therapy, Comprehensive treatment, Therapeutic dilemmas in multiple sclerosis and Future research directions in brain disorders.

Every step is closer to a cure



16000 diagnosed with Brain tumors
10 million people in USA living with Neurological Condition
Risk of developing Brain Disorders is 1 in 133 for men
and 1 in 185 for women in the USA



**Brain Disorders
2016**

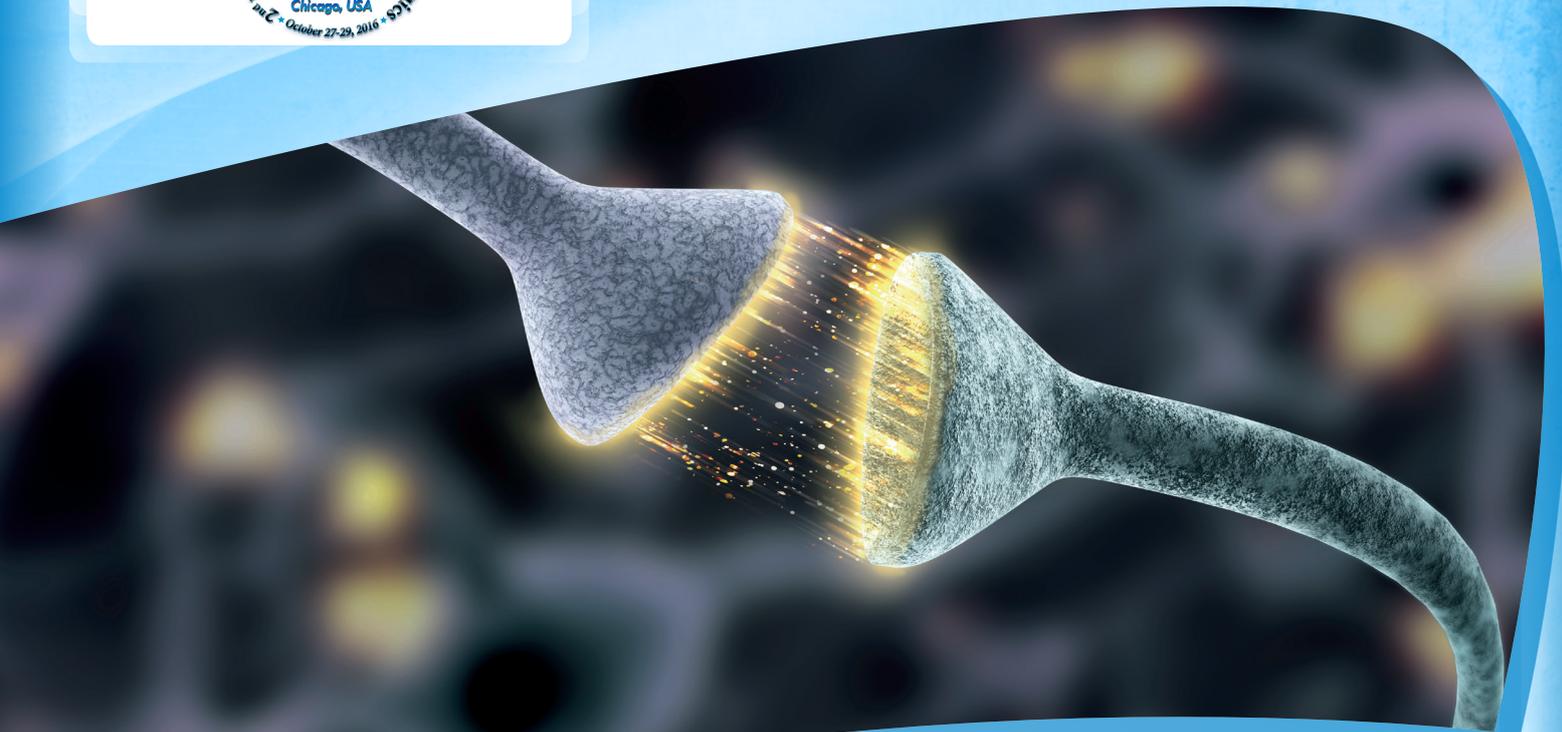
Join the fight against Brain Disorders

Gear
up for a new
venture into
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The field of brain disorders is growing rapidly and its development is making tremendous impacts in medical sciences and pharmaceuticals. The importance and significance can be gauged by the fact that it has made huge advancements over the course of time and is continuing to influence various sectors.

Brain Disorders 2016

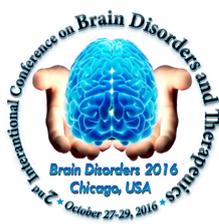
- *Opportunity to attend the presentations delivered by eminent scientists from all over the world*
- *Selected contributions will be published in following OMICS International Journals*
 - *Journal of Brain Disorders and Therapy*
 - *Journal of Neurological Disorders*
 - *Journal of Neurology & Neurophysiology*
- *Participation in sessions on specific topics on which the conference is expected to achieve progress*
- *Global networking: In transferring and exchanging Ideas*
- *Share your excitement in promoting Health care, Clinical R & D*
- *Conference brings together Scientific Researchers, Business Entrepreneurs and Pharma, Biotech & Healthcare, Industry Developers.*



About Chicago

Why Brain Disorders 2016 in Chicago???

- *Chicago is the third most populous city in the United States, located in the center of the United States on the shores of Lake Michigan.*
- *It ranks 4th in financial services. There are about 15 Universities in and around Chicago which are working in the field of Brain disorders.*
- *Around 1000 clinical neurologist and neurosurgeons are working exclusively on brain disorders in Chicago.*
- *Along with professional services, media companies are concentrated in Chicago and the media distribution industry is Chicago's second most competitive sector.*
- *There are 10 million people in the USA living with a neurological condition which has a significant impact on their lives.*
- *Mainly stroke, epilepsy, dementia, headache and head injury are the neurological conditions suffered in USA. It has been estimated that the lifetime risk of developing brain and other central nervous system cancer is **1 in 133 for men** and **1 in 185 for women** in the USA.*
- *Each year 600,000 people (1% of the USA population) are newly diagnosed with a brain disorders condition. Primary brain tumors represent about 1.6% of all tumors diagnosed in the USA.*
- *The aggregate costs of all mental disorders in the United States are \$ 32 billion.*



Important Links

Venue

Chicago, USA

Important Dates

Abstract submission opens: **September 15, 2015**

Registration opens: **September 15, 2015**

Early bird registration: **December 12, 2015**

On spot registration: **October 27, 2016**

Registration Details

Register online: <http://braindisorders.conferenceseries.com/registration.php>

Register online: <http://conferenceseries.com/onlinepayment/>

Registration Benefits

- *Contribute to and learn about the most recent advances in Brain Research*
- *Accepted abstract will be published in respective OMICS journals*
- *Each abstract will receive a Digital Object Identifier (DOI) provided by crossref*
- *Access to All programs and Reception banquet*
- *Coffee and Lunch during the conference*
- *Handbook and A free paper abstract*
- *Conference will contribute to increment in overall research profile*
- *Golden chance to meet other researchers in neurology field and potential contacts for future positions*

About US

OMICS International Journals

- 500 Open Access Journals
- 21 Day rapid review process
- 50000 Editorial team, 55000 Reviewers team
- 3.5 Million readers and high visibility
- More than 100000  fans
- Publication immediately after acceptance
- Quality and quick editorial, review processing

Key features

- User friendly/feasible website translation of your paper to 50 world's leading languages
- Enhanced feature: Audio version of published paper
- Digital articles to share and explore
- Sharing option: Social networking enabled
- Authors, reviewers and editors are provided with scientific credits



OMICS International Conferences

- 300+ Conferences all over the World every year
- Well organized scientific program
- Renowned speakers and scientists across the globe
- Poster presentations and world class exhibits
- Panel discussions and interactive sessions
- B2B meetings
- Perfect platform for Global Networking

Key features

- Presentation by renowned speakers from all over the world
- Poster presentations and world class exhibits
- Interactive Sessions
- Platform for global networking
- Connecting scientific community



Special Issues

All accepted abstracts will be published in respective OMICS International Journals

Each abstract will be provided with digital Object Identifier by 