



Lichfield Science & Engineering Society

LICHFIELD **GARRICK**
Theatre & Studio

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FREng., FIMMM, FInstP.

8:00 pm on Monday 31st March 2014
in the Studio Theatre of the Lichfield Garrick, Castle Dyke, Lichfield

This is a second chance to hear
the excellent and very popular lecture given on 22nd January.

On this occasion admission will be free to visitors
and seats will be allocated on a first come, first served basis.

ALZHEIMER'S DISEASE – why don't we have a cure after 100 years of research?

Dr Zsuzsanna Nagy

Senior Lecturer, Lead of the Neurodegeneration and Repair Team

School of Clinical and Experimental Medicine

College of Medical and Dental Sciences

University of Birmingham

Alzheimer's disease is the silent epidemic of our times, claiming the lives of millions of patients and destroying families. The financial burden of the disease is enormous, costing £19 billion a year in the UK alone. With the increasing age of the population it is expected that patient numbers will double in the next 30 years. Although it was first described in 1906, we still have no accurate ways of diagnosing the disease early enough and we have no treatment for it.

This talk will explain what the disease is and how it develops in the brain. The speaker will also try to explain why therapy has proved so elusive and summarise recent findings on lifestyle factors that may reduce the risk of dementia or may even slow the disease process

Zsuzsanna Nagy qualified as MD from the Medical School in Tirgu Mures, Romania, in 1989. She started research as a student research assistant in her third year of medical studies. The main topic of her interest was the development of the central nervous system. Following the completion of her internship in 1991 she resumed her scientific research at Oxford University. The following year she joined the Oxford Project to Investigate Memory and Ageing (OPTIMA) and completed her DPhil on Alzheimer's disease in 1995 under the supervision of Professors Margaret Esiri and A David Smith. Since then she has worked on the pathogenic mechanisms of Alzheimer's disease, novel biomarker development and early stage drug discovery for disease-modifying drugs. In 2004 she moved to Birmingham University Medical School. She has several patents covering novel biomarkers and therapeutic interventions for Alzheimer's disease.

For further information, please see our website at www.LSES.org.uk

This lecture is expected to finish by 10.00 pm.