



Lichfield Science & Engineering Society

LICHFIELD **GARRICK**
Theatre & Studio

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Dr Zsuzsanna Nagy

MD, MA, DPhil

8:00 pm on Wednesday, 13th September 2017
in the Studio Theatre of the Lichfield Garrick, Castle Dyke, Lichfield

HARNESSING THE IMMUNE SYSTEM TO ERADICATE CANCER

Professor Roy Bicknell MA, D.Phil, FRSB

Professor of Cancer Biology and Genomics,
University of Birmingham

Roy Bicknell originally read chemistry at St. John's College, Oxford before studying for a doctorate in The William Dunn School of Pathology, University of Oxford as an E.P.Abraham scholar. He then won a NATO Postdoctoral Fellowship to study at Harvard Medical School. His original research interest was bacterial resistance to antibiotics but at Harvard moved to growth and angiogenic factors. He has published over 300 papers in the field of angiogenesis and is recognised as an international expert in the field. Roy is married to our President and both were co-founders of Cyttox, a company that is helping to elucidate the biology behind the risk of dementia.

"I have devoted my life to cancer research at Harvard, Oxford and Birmingham for the last thirty years and I know that in terms of treatment we remain in the dark ages. I accept that there have been a few modest advances in treatment, but the truth remains that for many the knife is the only long term guaranteed cure. Radiation and chemotherapy are both devastating to the patient. So where to from here? Finally, we have arrived at a nexus. I choose the word carefully, a pulling together of many threads. These threads are the molecular targets Paul Ehrlich dreamt of more than a hundred years ago. They are molecular effectors (drugs in common parlance) such as antibodies and targeted killer immune cells. My ultimate goal is to develop a vaccine to eradicate cancer. All will be discussed and I look forward to a lively debate with the audience after my talk."

For further information, please see our website at www.LSES.org.uk
Students and Members Free.

Visitors £5.00. Tickets are not issued in advance, please pay at the door.

Members must sign in. Those signing in before 7:50 pm will have precedence over all visitors.

This lecture is expected to finish by 10.00 pm.