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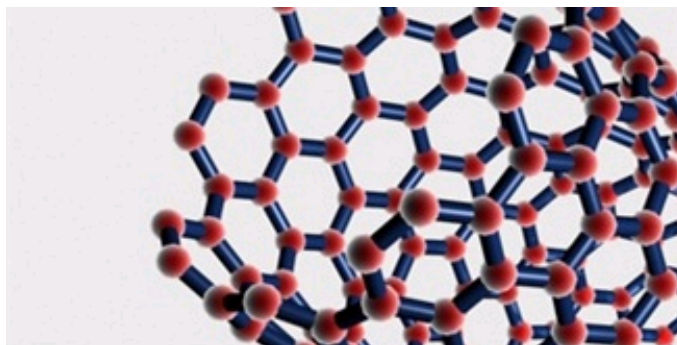
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NEWS ARTICLE



£1m research boost for 'intelligent' nano self-assembly

Thu, 22 Oct 2009 13:58:00 GMT

PA 274/09

What if material structures could 'build themselves' by self-assembling their molecules — guided by 'artificial intelligence'? It sounds like science fiction, but making this possible is now the serious research aim for computer scientists, physicists, chemists and nanotechnology experts, all working in collaboration at The University of Nottingham.

Two centuries after Charles Darwin published his most famous work, *On The Origin of Species*, researchers plan to apply evolutionary principles and insights gained from computational theory to develop algorithms that guide the creation of new chemical structures at a molecular level.

The Engineering and Physical Sciences Research Council (EPSRC) has provided nearly £1m to fund this research. Using advances in computer science and state-of-the-art microscopy, which will monitor and encourage self-assembly, academics from fields bridging computing and the physical sciences will join forces to understand, develop and control molecular 'self-assembly'.

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Story Credits

More information is available from Dr Natalio Krasnogor, Reader in Interdisciplinary Computer Science, at natalio.krasnogor@nottingham.ac.uk or on +44 (0)115 846 7592

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Simon Butt - *Media Relations
Manager*

Email: simon.butt@nottingham.ac.uk

Phone: +44 (0)115 951 5793

Location: King's Meadow Campus,
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University of Nottingham Communications Office, King's Meadow Campus, Lenton Lane, Nottingham NG7 2NR
Phone: +44 (0)115 951 5765 Fax: +44 (0)115 951 5733