

February 7, 2007

Prominent American nanotechnology researcher recruited to Canada

Edmonton... A leading American chemist, working in the field of molecular scale electronics, has been enticed to Alberta to continue his groundbreaking research on new microelectronic platforms. "I am excited about coming to a place that puts such a high priority on research and development," said McCreery. "I was not looking to leave Ohio, but the situation and opportunities here were hard to resist."

Dr. Richard McCreery has relocated to Alberta from The Ohio State University in Columbus, Ohio. Coming north to continue his research in Edmonton at NRC's National Institute for Nanotechnology (NINT) as a Principal Researcher and Ingenuity Scholar, he will also teach chemistry at the University of Alberta.

Doug Horner, Minister of Advanced Education and Technology, believes that new electronic business opportunities in Alberta are not far off because, "Dr. McCreery's research could lead to significant improvements in electronics and computing." He added, "Moving ideas developed in the lab into products and processes for markets relevant to our province, reflects our government's priority to build a stronger Alberta."

McCreery's research will investigate the behaviour of molecules or single molecular layers as electronic circuit components, with the goal of developing new technology platforms for microelectronics. Molecular circuit components are potentially more versatile than existing microelectronics, and may lead to reduced cost and lower power consumption.

Funding partner Peter Hackett, president and CEO of Alberta Ingenuity, said, "This is how we create benefits for Alberta in nanotechnology - get exceptional people, provide exceptional support, so they create exceptional results. We are delighted to support the recruitment of innovators like Dr. McCreery to the province."

Gregory Taylor, Dean of Science at the University of Alberta is thrilled that McCreery will be a Professor in the Department of Chemistry, "Not only will we benefit from Dr. McCreery's innovative and extensive research program, but he will be instrumental in integrating research into the learning environment to enhance the undergraduate and graduate student experience".

McCreery's research and academic efforts will be supported during the next five years by a total of \$4.5 million in funding from the National Research Council (\$2.5 million), the Alberta Ingenuity Fund (\$1 million) and the University of Alberta (\$1 million).

In welcoming the fellow chemist, Nils Petersen, Director General of NINT, said, "Our ability to recruit an established scientist like Rick McCreery shows that partnership between the National Research Council, the University of Alberta and the Government of Alberta can compete in attracting research excellence in strategically important areas."

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Editor's Note:

See attached backgrounder for more information.

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Backgrounder

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Dr. Richard McCreery

Principal Researcher, National Research Council, National Institute for Nanotechnology

Alberta Ingenuity Scholar in Molecular Electronics

Professor of Chemistry, Faculty of Science, University of Alberta

Employment History

- Dow Professor of Chemistry, The Ohio State University, Columbus, OH, USA. 1998-2006.
- Assis., Associate & Full Professor, Chemistry, The Ohio State University, Columbus, OH, USA. 1974-98.

Education

- PhD, Analytical Chemistry, University of Kansas, Lawrence, Kansas, USA. 1974.
- B.Sc., Chemistry, University of California - Riverside, Riverside, California, USA. 1970.

Highlights

- Fellow of the American Association for the Advancement of Science since 1992, and of the Electrochemical Society since 2003.
- O.S.U. Distinguished Research Award (1982), American Chemical Society Award in Electrochemistry (2000), and C.N. Reilly Award, Society of Electroanalytical Chemistry (2003).
- Board of Directors, Society of Electroanalytical Chemists (1986-1991); Elected the Dow Professor of Chemistry (1998-2006); Editorial Advisory Board, Analytical Chemistry (2001-2004), and Associate Editor, Analytical Chemistry, 2005-Present.

The

National Institute for Nanotechnology conducts advanced research and fosters innovation in support of a new generation of nanotechnology-based firms. Canada's flagship nanotechnology institute has created a unique multidisciplinary environment which integrates National Research Council (NRC) and the University of Alberta researchers from numerous disciplines. Established in 2001, NINT is a joint initiative of the Government of Canada, the Government of Alberta, the NRC and the University of Alberta.

<http://nint-innt.nrc-cnrc.gc.ca>

The Alberta Ingenuity Fund

supports science and engineering research and innovation of the highest calibre to create a strong and prosperous future for the province. It draws funding from a \$1-billion endowment established by the

Government of Alberta to build the capacity for innovation in areas with enduring social and economic impact. www.albertaingenuity.ca

The University of Alberta

in Edmonton is one of the top 100 research and teaching universities in the world serving some 36,000 students with more than 9,000 faculty and staff. The university attracts more than \$400 million in annual research funding. www.ualberta.ca

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