CIFAR Junior Fellowship – Quantum Materials Program

The Junior Fellow Academy of the Canadian Institute for Advanced Research is an elite fellowship program designed to build research and leadership capacity in gifted young scholars at a critical early stage of career development. The Academy provides unique opportunities for personal and professional growth through close collaboration with and mentorship from some of the best researchers in Canada and around the world.

By participating both in an innovative CIFAR research program and the leadership-building Junior Fellow Academy, Junior Fellows learn to embrace CIFAR’s core values: to think broadly and imaginatively across disciplines and to collaborate on a deep level with colleagues. These valuable experiences are intended to profoundly impact a Junior Fellow’s future career path.

CIFAR’s Quantum Materials Program is seeking an exceptional theorist to fill a Junior Fellowship position beginning in the summer or fall of 2011. Junior Fellowships are held in conjunction with a university postdoctoral appointment. The successful candidate will work as a postdoctoral fellow under the supervision of one or more program members. The position is tenable at any of the Canadian institutions where program members working in theoretical research are based. A list of these program members is provided below. Applicants are strongly encouraged to contact the program member they wish to work with prior to submitting an application.

The Quantum Materials Program focuses on the discovery and understanding of novel quantum materials. Principal areas of interest include superconductivity, quantum magnetism, quantum phase transitions, cold atom gases and novel oxides. It brings together over 50 researchers from eight institutions across Canada and six other countries.

Eligibility: Individuals who have completed their PhD within the past three years, or will complete their doctorate before Summer/Fall 2011, are eligible to apply. The successful candidate will have an outstanding record of accomplishment in a theoretical area of interest to the program, excellent communication skills, strong potential to collaborate with program members and ability to contribute to the program’s mission. The candidate will also be interested in exploring the contributions of research to society in collaboration with their peers from other CIFAR programs.

Duration: Two years.

Value: $65,000 CDN/year for salary, plus benefit support, if needed
$5,000 CDN/year for research support

How to Apply: Applications will be submitted through an online application system. Instructions will be posted on or before July 5, 2010 at www.cifar.ca/JFA, with an application deadline of September 1, 2010. Visit today for more information about CIFAR and its Junior Fellow Academy.

CIFAR is strongly committed to diversity within its community, and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups and others who may contribute to further diversification of ideas.

*Canada-based Quantum Materials Program members working in theory are listed below. For more information, please visit the researcher profiles posted on the CIFAR website.

UCB: P. Stamp, F. Zhou

U of Alberta: F. Marsiglio

U of Toronto: A. Griffin, H.-Y. Kee, Y. B. Kim

U of Waterloo: M. Gingras

McMaster U: J. Berlinsky, J. Carbotte, C. Kallin

U de Sherbrooke: A. Blais, C. Bourbonnais, A.-M. Tremblay