



**Beth Israel Deaconess
Medical Center**



A teaching hospital of
Harvard Medical School

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July 30, 2013

Dr. Maria Ercsey Ravasz

Research Faculty
Physics Department, Babes-Bolyai University
Mihail Kogalniceanu 1 Street,
400084 Cluj-Napoca, Romania

Dear Maria,

I am writing this letter to invite you and your research team, Dr. Robert Z. Sumi, David Deritei and Botond Molnar to visit my research group this fall at the Beth Israel Deaconess Medical Center, Boston. I am really looking forward to teaching your team the computational techniques I have been developing to understand modular organization of cellular regulatory networks. Applying these techniques to optimization problems in computer science such as constraint satisfaction is an exciting new direction for research in your group. As we discussed, a parallel investigation of network modularity and clustering in Boolean network models (used in biological regulation) and modularity in K-satisfiability problems (used in computer science) is likely to advance both our fields. I thus expect searching for biologically inspired solutions to constraint satisfaction problems, your area of expertise, to be a valuable avenue for your team to explore.

For purposes of clarity, I am including official personal identification data for all members of the invited team:

Prof. Maria Ercsey Ravasz (team leader and project director): Birth date Sep 11, 1980; Passport No 13927967, CNP No 2800911266894.

Dr. Robert Z. Sumi (K-satisfiability expert): Birth date May 2, 1982; Passport No 050533979, CNP No 1820502303969.

David Deritei (Boolean modeling and network clustering): Birth date January 14, 1991, CNP No 1910114125778.

Botond Molnar (K-satisfiability, network clustering): Birth date June 5, 1986, CNP No 1860605142590.

We expect that Dr. Sumi and Mr. Deritei will stay in Boston in the period **October 15–November 12 2013** in order to learn computational techniques developed by my group. Dr. Ercsey Ravasz and Mr. Molnar will visit us for a few days between **October 23 and 30**, to discuss the status and future of their project.

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Please let me know about any logistical questions you may have related to travel. My understanding is that you will cover the costs of your trip and that of your team members from your research funding. I will make arrangements for you and your team for temporary office space at Research North, 99 Brookline Avenue, Boston, MA, 02215 (where our offices are located), as well as the computational resources you need.

Looking forward to a fruitful time with you and your group,

Sincerely,

Erzsébet Ravasz Regan

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