

**Letter of Intent
between
Charles University Teaching Hospital
and
Lawrence Berkeley National Laboratory, Molecular Foundry**

Charles University Teaching Hospital in the Czech Republic and the United States Department of Energy's Lawrence Berkeley National Laboratory, Molecular Foundry collectively herein the "Participants",

State their intention as follows:

1. Charles University Teaching Hospital, through its Department of Metabolic Care and Gerontology (hereinafter the "Hospital"), and the United States Department of Energy's Lawrence Berkeley National Laboratory, through the Molecular Foundry, propose to participate in the project: Development and testing of novel monolithic high-performance liquid chromatography stationary phases suitable for biomedical research and clinical practice.
2. The Hospital's role in the project is intended to be directing work aimed at design, preparation, and application of novel nanostructured biocompatible hypercrosslinked monolithic stationary phases with controlled porosity in capillary columns for the rapid and efficient separation and determination of selected compounds in mixtures mimicking biological materials.
3. Since the Molecular Foundry has extensive experience with the development of nanostructured porous polymer monoliths, the planned preparation of biocompatible stationary phases is likely to be achieved. The Hospital lacks both easy access to hazardous biological material such as serum, urine, exudates, and ascites, and laboratory facilities allowing work with biological hazards enabling demonstration of desired properties of the stationary phases in clinical diagnostics. The tests with clinical samples should provide results significantly enhancing the potential of the monolithic columns in an arena that has not been explored yet.
4. The Hospital intends to participate in the user program of the Molecular Foundry. This program is funded by the U.S. Department of Energy.
5. This Letter of Intent (Letter) does not create any legally binding obligations on the Participants, and the conduct of cooperative activities contemplated by this Letter is subject to the availability of funding, personnel, and other resources.

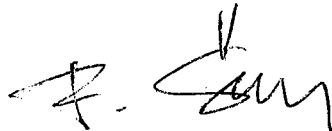
6. Each Participant is to be responsible for the costs it incurs in participating in the cooperative activities contemplated by this Letter.
7. Undertakings in furtherance of the objectives of this Letter are to be conducted under specific written agreements therefor to be negotiated between the Participants describing the scope of work and stating the respective obligations of the Participants.

Signed in duplicate.

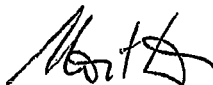
For Charles University Teaching Hospital:

For Lawrence Berkeley National
Laboratory:

BY:


Dr. Frantisek Svec

BY:


Dr. Horst D. Simon
Deputy Laboratory Director

Dated: July 15, 2012

Dated: July 13, 2012