

FINAL REPORT

FOR CRADA NO. C-06-07

BETWEEN

BROOKHAVEN SCIENCE ASSOCIATES

AND

NANO -LIFE SCIENCES, INC.

Project Entitled:

Rapid Cycling Medical Synchrotron

Brookhaven PI: Stephen Peggs

Submitted by: Michael J. Furey
Manager, Research Partnerships
Brookhaven National Laboratory

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Memo

Date: December 21, 2009
To: M. J. Furey
From: S. Peggs
Subject: CRADA No. BNL-C-06-07 Between BNL and Nano-Life Sciences, "Rapid Cycling Medical Synchrotron."

The term of the subject CRADA expired as of October, 2007. The "Funds-in" for this CRADA were initially expected to be \$5,195,436, while in fact Nano-Life had provided a net total of only \$290,156 by the termination of the CRADA. This termination was initiated by BNL. Nano-Life has since ceased operation, after the suicide of its CEO.

This memo serves as the final abstract of the CRADA, insofar as it was abandoned at an early stage. Because the CRADA was terminated at such an early stage, and because of the demise of Nano-Life, there is no possibility of a jointly filed final report.

Significant accomplishments. The goal of this CRADA was to perform early prototyping on the Rapid Cycling Medical Synchrotron, leading to more accurate cost and schedule estimates. Some progress was made in this direction.

Significant problems. Nano-Life first deposited installments on schedule, but quickly fell behind. Work slowed down at BNL, and then eventually ceased when it became clear that the CRADA could not be completed for want of financial support. The final act was for BNL to return \$109,845 of unspent funds to Nano-Life. Larry Welch, the Nano-Life CEO, committed suicide a few months later.

Industry benefits. None.

Laboratory benefits. The modest progress that was made in laying down rapid prototyping plans for the RCMS could easily be picked up where they ceased. The RCMS is ready to take the next step.

Recommended follow-on work. Identify a new CRADA partner, or another mechanism, through which early RCMS prototyping could be resumed.

Potential benefits from pursuing follow-on work. Rapid prototyping leading to first implementation and commissioning of the RCMS.