

ONCOLYTICS BIOTECH INC

Form 6-K

February 04, 2008

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Form 6-K

Report of Foreign Private Issuer

Pursuant to Rule 13a-16 or 15d-16
of the Securities Exchange Act of 1934

For the month of February 2008

Commission File Number 000-31062

Oncolytics Biotech Inc.

(Translation of registrant's name into English)

**Suite 210, 1167 Kensington Crescent NW
Calgary, Alberta, Canada T2N 1X7**

(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F

Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Note: Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's home country), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

Indicate by check mark whether by furnishing the information contained in this Form, the registrant is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes

No

If Yes is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82 - _____

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Oncolytics Biotech Inc.
(Registrant)

Date: February 4, 2008

By: /s/ Doug Ball

Doug Ball
Chief Financial Officer

210, 1167 Kensington Crescent
N.W.
Calgary, Alberta
Canada T2N 1X7

FOR IMMEDIATE RELEASE

**Oncolytics Biotech Inc. Announces Publication of Research on Combination
Reovirus and Radiation Therapy**

CALGARY, AB, February 4, 2008 Oncolytics Biotech Inc. (TSX: ONC, NASDAQ: ONCY) (Oncolytics) reported today that Dr. Kevin Harrington and his research group at The Institute of Cancer Research, London, U.K. published the results of their work testing combination treatment schedules of reovirus and radiation in human and murine tumour cells *in vitro* and *in vivo*. The paper, entitled *Enhanced In vitro and In vivo Cytotoxicity of Combined Reovirus and Radiotherapy* appears online in the February 1, 2008 issue of *Clinical Cancer Research*.

The effect of different schedules of reovirus and radiotherapy on viral replication and cytotoxicity was tested *in vitro* and the combination was assessed in three tumour models *in vivo*. The results demonstrated that combining reovirus and radiotherapy significantly increased cancer cell killing both *in vitro* and *in vivo*, particularly in cell lines with moderate susceptibility to reovirus alone.

Dr. Harrington's work demonstrates convincingly that REOLYSIN works to enhance the effects of radiation therapy, said Dr. Matt Coffey, Chief Scientific Officer of Oncolytics. The results of this preclinical research provided strong support for the combination REOLYSIN® and radiation clinical trials we are conducting in the U.K. To date, we have successfully completed enrolment in a Phase Ia/Ib combination REOLYSIN® and radiation trial and are currently enrolling patients in a Phase II trial using this combination.

About Oncolytics Biotech Inc.

Oncolytics is a Calgary-based biotechnology company focused on the development of oncolytic viruses as potential cancer therapeutics. Oncolytics' clinical program includes a variety of Phase I and Phase II human trials using REOLYSIN®, its proprietary formulation of the human reovirus, alone and in combination with radiation or chemotherapy. For further information about Oncolytics, please visit www.oncolyticsbiotech.com

This press release contains forward-looking statements, within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended. Forward-looking statements, including the implication of the materials presented in Clinical Cancer Research with respect to REOLYSIN®, the Company's expectations related to the results of trials investigating delivery of REOLYSIN®, and the Company's belief as to the potential of REOLYSIN® as a cancer therapeutic, involve known and unknown risks and uncertainties, which could cause the Company's actual results to differ materially from those in the forward-looking statements. Such risks and uncertainties include, among others, the availability of funds and resources to pursue research and development projects, the efficacy of REOLYSIN® as a cancer treatment, the success and timely completion of clinical studies and trials, the Company's ability to successfully commercialize REOLYSIN®, uncertainties related to the research and development of pharmaceuticals and uncertainties related to the regulatory process. Investors should consult the Company's quarterly and annual filings with the Canadian and U.S. securities commissions for additional information on risks and uncertainties relating to the forward-looking statements. Investors are cautioned against placing undue reliance on forward-looking statements. The Company does not undertake to update these forward-looking statements.

FOR FURTHER INFORMATION PLEASE CONTACT:

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