RESVERLOGIX
www.resverlogix.com
Suite 202
279 Midpark Way SE
Calgary AB T2X 1M2
P 403.254.9252
F 403.256.8495
info@resverlogix.com

This press release is not for dissemination in the United States or through US newswire services.

For Immediate Release TSX Exchange Symbol: **RVX**

Resverlogix Enters CAD $25 Million Standby Equity Agreement Term Sheet

To augment funding for upcoming ApoA-I clinical trials

December 16, 2009 (Calgary, AB) — Resverlogix Corp. ("Resverlogix" or the "Company") (TSX:RVX) announces today that it has signed a nonbinding term sheet for a standby equity distribution agreement ("SEDA") with YA Global Master SPV, Ltd, a fund managed by Yorkville Advisors, LLC ("YA"), whereby Resverlogix would have the option, at its sole discretion, to issue and sell up to CAD $25 million of its common shares to YA. The term sheet is nonbinding and the final agreement remains subject to definitive documentation and completion of due diligence to the satisfaction of both the Company and YA.

Under the SEDA, Resverlogix would be able to sell, and YA would be obligated to buy, up to CAD $500,000 of Resverlogix common shares in any ten-day period. The common shares sold under the SEDA would be purchased at a discount to the market price. The SEDA would not prevent Resverlogix from exploring and entering into other potential financing agreements. In the event the SEDA closes, full details of all terms and conditions will be disclosed.

The final SEDA will also be subject to certain conditions precedent, including receipt of exemptive relief from applicable Canadian securities regulators, from certain requirements of applicable Canadian securities laws, the filing of a base shelf prospectus with applicable Canadian securities regulators and the approval of the Toronto Stock Exchange.

"We have entered a period of increased activity in our ApoA-I programs. This agreement will provide Resverlogix with the flexibility to draw strategic amounts of capital at its discretion, thus placing the Company in a more comfortable position for pursuing our development plans," said Donald J. McCaffrey, President and CEO of Resverlogix.

About ApoA-I

RVX-208, a novel small molecule therapeutic that facilitates endogenous ApoA-I production, is positioned to be one of the most promising emerging drugs in the treatment of atherosclerosis. To the Company's knowledge RVX-208 is the only novel small molecule that is specifically designed to increase ApoA-I production and thereby raise HDL levels thus enhancing HDL functionality to augment reverse cholesterol transport (RCT). RCT is a pathway by which accumulated cholesterol is transported from the arterial wall to the liver for excretion, thus preventing atherosclerosis.

About Resverlogix Corp.

Resverlogix Corp. is a leading biotechnology company engaged in the development of novel therapies for important global medical markets with significant unmet medical needs. The NexVas™ PR program is the Company's primary focus which is to develop novel small molecules that enhance ApoA-I. These vital therapies address the burden of atherosclerosis and other important diseases such as Acute Coronary Syndrome, Diabetes, Alzheimer's disease, Peripheral Artery Disease and other vascular disorders. Resverlogix Corp. trades on the Toronto Stock Exchange (TSX:RVX). For further information please visit www.resverlogix.com.

This news release may contain certain forward-looking statements as defined under applicable Canadian securities legislation, including our statements with respect to the SEDA, vision to be a leader in the research, development and commercialization of novel therapeutics that reduce the risk of cardiovascular disease including atherosclerosis, diabetes, Alzheimer's disease, Peripheral Artery Disease and other vascular diseases. These forward-looking statements contained herein that are not based on historical fact, including without limitation statements containing the words "believes", "anticipates", "plans", "intends", "will", "should", "expects", "continue", "estimate", "forecasts" and other similar expressions. Our actual results, events or developments could be materially different from those expressed or implied by these forward-looking statements. We can give no assurance that any of the events or expectations will occur or

be realized. By their nature, forward-looking statements are subject to numerous known and unknown risks and uncertainties including but not limited to those associated with the success of research and development programs, clinical trial programs including possible delays in patient recruitment, the regulatory approval process, competition, securing and maintaining corporate alliances, market acceptance of the Company's products, the availability of government and insurance reimbursements for the Company's products, the strength of intellectual property, financing capability, the potential dilutive effects of any financing, reliance on subcontractors and key personnel and additional risk factors discussed in other documents we file from time to time with securities authorities, which are available through SEDAR at www.sedar.com. Additionally, risks and uncertainties are discussed in detail on page 22 of the July 31, 2009 MD&A. The forward-looking statements contained in this news release are expressly qualified by this cautionary statement are made as of the date hereof. The Company disclaims any intention and has no obligation or responsibility, except as required by law, to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. The TSX Exchange does not accept responsibility for the adequacy or accuracy of this news release.

For further information please contact:

Theresa Kennedy
VP, Corporate Communications
Resverlogix Corp.
Phone: 403-254-9252
Fax: 403-256-8495
Email: Theresa@resverlogix.com

Sarah Zapotichny
Manager, Investor Relations
Resverlogix Corp.
Phone: 403-254-9252
Fax: 403-256-8495
Email: Sarah@resverlogix.com

US Investor Relations
Susan Noonan
Managing Partner
S.A. Noonan Communications, LLC
Phone: 212-966-3650
Email: susan@sanoonan.com

US Media Relations
Eric Goldman
Vice President
Rx Communications Group
Phone: 917-322-2563
Email: egoldman@rxir.com