ROSETTAGENOMICS™
Revealing Genomic Answers

Rosetta Genomics Receives NASDAQ Notification

PHILADELPHIA and REHOVOT, Israel (November 8, 2017) – Rosetta Genomics Ltd. (NASDAQ: ROSG) ("Rosetta" or "the Company"), a genomic diagnostics company that improves treatment decisions by providing timely and accurate diagnostic information to physicians, announces that on October 24, 2017, the Company received a notification letter from the NASDAQ Stock Market indicating that the Company's stockholders' equity as reported in the Company's Report on Form 6-K as filed with the Securities and Exchange Commission (the "SEC") on October 10, 2017, no longer meets the minimum amount of $2,500,000 required for continued inclusion on The NASDAQ Capital Market ("NASDAQ") pursuant to NASDAQ Listing Rule 5550(b)(1).

The Company has 45 calendar days from October 24 to submit a specific plan to NASDAQ to attempt to achieve and regain compliance with the minimum stockholders' equity requirement. The Company plans to submit such a plan to NASDAQ. There is no assurance that NASDAQ will accept the Company's plan to satisfy the stockholders' equity requirement. If the plan is accepted, NASDAQ may provide the Company up to 180 calendar days from the date of the notification for the Company to regain compliance.

If, after the completion of its review, NASDAQ determines that the Company has not presented a plan that adequately addresses the stockholders' equity issue, NASDAQ will provide written notice that the Company's securities will be subject to delisting from The NASDAQ Capital Market. In that event, the Company may appeal the decision to a NASDAQ Hearings Panel. In the event of an appeal, the Company's securities would remain listed on The NASDAQ Capital Market pending a decision by the Hearings Panel following the hearing.

Although the Company plans to submit a compliance plan to NASDAQ and, if accepted, will seek to demonstrate compliance within the required time period, there is no assurance that NASDAQ will accept the Company's compliance plan, nor that the Company could achieve compliance with its proposed plan in the required time.

About Rosetta Genomics
Rosetta is pioneering the field of molecular diagnostics by offering rapid and accurate diagnostic information that enables physicians to make more timely and informed treatment decisions to improve patient care. Rosetta has developed a portfolio of

unique diagnostic solutions for oncologists, urologists, endocrinologists, cytopathologists and other specialists to help them deliver better care to their patients. RosettaGX Reveal™, a Thyroid microRNA Classifier for classifying indeterminate thyroid nodules, as well as the full RosettaGX® portfolio of cancer testing services are commercially available through the Company's Philadelphia, PA- and Lake Forest, CA-based CAP-accredited, CLIA-certified labs.

Forward-Looking Statement Disclaimer

Various statements in this news release constitute forward-looking statements for the purposes of the safe harbor provisions under The Private Securities Litigation Reform Act of 1995. Actual results may differ materially from those indicated by these forward-looking statements as a result of various important factors, including that we will require substantial additional funds to continue our operations and, if additional funds are not available, we may need to significantly scale back or cease our operations; we might not successfully complete the planned sale of our PersonalizeDx business; we have a history of losses and may never be profitable; if we are not able to obtain and enforce patent protection for our discoveries, our ability to develop and commercialize microRNA-based diagnostics and therapeutics could be harmed; if we become involved in patent litigation or other proceedings related to a determination of rights, we could incur substantial costs and expenses, substantial liability for damages or be required to stop our development and commercialization efforts; if third parties from which we license patent rights do not properly maintain or enforce the patents underlying such licenses, our competitive position and business prospects will be harmed; if we fail to comply with our obligations under any licenses or related agreements, we could lose license rights that may be necessary for developing microRNA-based diagnostics and therapeutics; if we fail to comply with the complex federal, state, local and foreign laws and regulations that apply to our business, we could suffer severe consequences that could materially and adversely affect our operating results and financial condition; if we do not comply with governmental regulations applicable to our CLIA-certified laboratories, we may not be able to continue our operations; any diagnostic tests that may be developed by us or others using our microRNA technology may be subject to regulatory approval, which can be lengthy, costly and burdensome; failure to comply with government laws and regulations related to submission of claims for our services could result in significant monetary damages and penalties and exclusion from the Medicare and Medicaid programs and corresponding foreign reimbursement programs; if we are found to have violated laws protecting the privacy or security of patient health information, we could be subject to civil or criminal penalties, which could increase our liabilities and harm our reputation or our business; if we are unable to expand sales of our diagnostic tests in the United States, it would have a material adverse effect on our business and financial condition; the intensely competitive biotechnology market could diminish demand for our tests and products; health insurers and other third-party payers may decide not to cover our diagnostic products or may provide inadequate reimbursement, which could jeopardize our commercial prospects; because of Medicare billing rules, we may not receive reimbursement for all tests provided to Medicare

patients; failure to comply with federal and state anti-kickback and fraud and abuse laws could result in severe penalties; changes in healthcare policy, including legislation reforming the U.S. healthcare system, may have a material adverse effect on our financial condition and operations; the market may not be receptive to any diagnostic tests or therapeutic products using our microRNA technology upon their commercial introduction; we are largely dependent upon our distributors for the success of commercialization of our current diagnostic tests; there is a substantial risk of product liability claims in our business and if we are unable to obtain sufficient insurance, a product liability claim against us could adversely affect our business; if we are unable to manage the challenges associated with our international operations, the growth of our business could be limited; the Israeli tax benefits that we are currently eligible to receive require us to meet several conditions and may be terminated or reduced in the future, which would increase our costs; we participated in programs supported by the Israeli Chief Scientist, which may restrict the transfer of know-how that we develop; and those risks more fully discussed in the "Risk Factors" section of Rosetta's most recently filed Annual Report on Form 20-F, as filed with the SEC. In addition, any forward-looking statements represent Rosetta's views only as of the date of this news release and should not be relied upon as representing its views as of any subsequent date. Rosetta does not assume any obligation to update any forward-looking statements unless required by law.

Rosetta Genomics Contact:
Contact:
Ken Berlin, President & CEO
(267) 298-1159
investors@rosettagx.com

Rosetta Genomics Investor
LHA Investor Relations
Anne Marie Fields
(212) 838-3777
afields@lhai.com

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