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FOR RELEASE

July 7, 2004

## **COMBIMATRIX ANNOUNCES FIRST IN A SERIES OF CATALOG EXPRESSION ARRAYS -- HUMAN DRUG METABOLISM ARRAY**

Newport Beach, Calif. – (BUSINESS WIRE) –July 7, 2004 – Acacia Research Corporation (Nasdaq: CBMX:ACTG) announced today that its CombiMatrix group has made available to researchers a new CustomArray™ Human Drug Metabolism Array. This array enables researchers to screen a panel of genes and “splice variants” known to be critical for the pharmacokinetics and metabolism for both established and new drugs.

“This catalog array, for drug metabolism, is the first in a series of catalog arrays which we will be releasing over the coming months,” stated Dr. Amit Kumar, President and CEO of CombiMatrix. “We have recently launched our low density and high density arrays, and our catalog array initiative is intended to provide customers with pre-designed arrays for common studies in pharmaceutical research.”

The Human Drug Metabolism Array is based on the most recent available information regarding genes that control drug metabolism. This array provides complete coverage of the Cytochrome p450 gene family, UDP-glucuronosyl-transferases (UGTs), glutathione-transferases (GSTs), sulfo-transferases (SULTs), and N-acetyl-transferases (NATs).

Metabolism has a major impact on the effectiveness of a drug, as well as, potential adverse reactions. Understanding of drug metabolism enables researchers to develop superior drugs. In addition, an understanding of drug metabolism can help clinicians determine safer and more effective drugs for individual prescriptions. This array will provide a tool for understanding how humans metabolize drugs used to treat cardiovascular disease, metabolic diseases, cancers, and others. The array may also help limit the number of adverse reactions, which annually kill approximately 100,000 people in the US alone.

CombiMatrix’s technology enables researchers to customize an array for any organism and standardize their expression results on a single platform using the most up to date information while maintaining the capability to compare to existing data. This helps ensure consistent and reproducible array results and facilitates data sharing around the world.

### **ABOUT CUSTOMARRAY™**

CustomArrays™ are semiconductor-based arrays (approx. 1 cm<sup>2</sup>) integrated onto a standard 1” x 3” slide format. CombiMatrix synthesizes oligonucleotides *in situ* to build CustomArrays. This

revolutionary technology allows CombiMatrix to deliver CustomArrays in days. Sensitivity and performance metrics are available on the company's main web site and at [www.customarray.com](http://www.customarray.com).

Researchers can place orders for CustomArray products by contacting CombiMatrix at (800) 985-2269 or by accessing CombiMatrix's order site at [www.customarray.com](http://www.customarray.com).

## **ABOUT ACACIA RESEARCH CORPORATION**

Acacia Research Corporation comprises two operating groups: Acacia Technologies Group and CombiMatrix Group.

The CombiMatrix group is developing a platform technology to rapidly produce customizable active biochips, which are semiconductor-based tools for use in identifying and determining the roles of genes, gene mutations and proteins. CombiMatrix's technology has a wide range of applications including DNA synthesis/diagnostics, siRNA synthesis, drug discovery, and immunochemical detection. CombiMatrix provides DNA arrays to researchers under the CustomArray™ brand. CombiMatrix's Express Track<sup>SM</sup> drug discovery program is a systems biology approach, using its technology, to target common viral diseases with siRNA compounds.

The Acacia Technologies Group develops, acquires, and licenses patented technologies. Acacia's DMT technology, which is supported by 5 U.S. and 31 foreign patents, relates to audio and audio/video transmission and receiving systems commonly known as audio-on-demand, video-on-demand, and audio/video streaming, and is used for distributing digital content via several means including Internet, cable, satellite and wireless systems.

Acacia Research-Acacia Technologies (Nasdaq: ACTG) and Acacia Research-CombiMatrix (Nasdaq: CBMX) are both classes of common stock issued by Acacia Research Corporation and are intended to reflect the performance of the respective operating groups and are not issued by the operating groups.

Information about the Acacia Technologies Group and the CombiMatrix Group is available at [www.acaciaresearch.com](http://www.acaciaresearch.com).

### **Safe Harbor Statement under the Private Securities Litigation Reform Act of 1995:**

*This news release contains forward-looking statements within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995. These statements are based upon our current expectations and speak only as of the date hereof. Our actual results may differ materially and adversely from those expressed in any forward-looking statements as a result of various factors and uncertainties, including the economic slowdown affecting technology companies, our ability to successfully develop products, rapid technological change in our markets, changes in demand for our future products, legislative, regulatory and competitive developments and general economic conditions. Our Annual Report on Form 10-K, recent and forthcoming Quarterly Reports on Form 10-Q, recent Current Reports on Forms 8-K and 8-K/A, and other SEC filings discuss some of the important risk factors that may affect our business, results of operations and financial condition. We undertake no obligation to revise or update publicly any forward-looking statements for any reason.*