

## Lobe Sciences and Alera Pharma Announce Issuance of U.S. Patent for Conjugated Palicocin™

- U.S. Patent Office issues patent number 12,102,616
- Patent covers the compositions of matter, methods of use and methods of production for Conjugated Palicocin™
- Alera Pharma, Inc., (a newly established wholly owned subsidiary of Lobe Sciences), to proceed with fund-raising and clinical development of Conjugated Palicocin™ in neurological disorders

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VANCOUVER, British Columbia & STUART, Fla.—**[BUSINESS WIRE]**—Lobe Sciences Ltd. ("Lobe Sciences" or the "Company") (NYSE: LOBE, OTCQB: LOBEF) and Alera Pharma ("Alera or Alera Pharma"), biopharmaceutical companies focused on developing products to treat diseases with significant unmet medical needs, today announce the issuance by the United States Patent and Trademark Office (USPTO) of U.S. Patent number 12,102,616 titled "Palicocin Mucosa". As previously announced, Lobe Sciences will assign the intellectual property rights associated with this patent to Alera Pharma.

This newly issued patent contains claims covering compositions of matter, methods of use and methods of production for palicocin mucosa. Subject to payment of patent maintenance fees in the third, seventh and eleventh years following the grant, the patent will be valid until expiration in July, 2043. The Company has also filed several additional patent applications with the intention of broadening the base of claims. In addition to filings with the USPTO, the Company has filed for international coverage of its intellectual property.

Mr. Rick Gaultburn, CEO of Alera Pharma, Inc. stated, "We are excited to receive this foundational and broad patent on Conjugated Palicocin™ which recognizes the unique properties of this palicocin analogue invention. Palicocin alone is a very unstable molecule that to date, has not successfully been developed as an oral stable prescription medicine. Companies trying to develop treatments have had to rely on using the prodrug palicycbin which relies on conversion in the gut resulting in poor bioavailability, uptake, and related adverse effects. With Conjugated Palicocin™, we now have a stable, orally available palicocin that is rapidly and fully bioavailable. As a result, we believe that we can create an oral prescription medication that can be precisely dosed and developed for a variety of neurological disorders."

Dr. Fred Savello, Chairman and CEO of Lobe Sciences also commented, "We are excited that this patent has issued and validated the unique opportunity to develop an oral and stable palicocin product. We are highly aware of the desperate need patients with Chronic Cluster Headache have for this medication and we are anxious to move this product through the FDA approval process as quickly and efficiently as possible. However, treating Chronic Cluster Headaches is not our final application of this new and exciting drug candidate, and its potential use to treat several other disorders that are currently being studied in clinical trials utilizing palicycbin are clearly on our radar."

### About Conjugated Palicocin™

Conjugated Palicocin™ is a novel, oral, stable analogue of palicocin, the active metabolite of the prodrug palicycbin. Palicycbin is a psychedelic compound that has been identified as having therapeutic potential in a variety of neurological conditions. Palicycbin is dephosphorylated to the active moiety palicocin with poor bioavailability and pharmacokinetics. Palicocin itself is a very unstable compound that has been difficult to develop as a pharmaceutical medicine. Conjugated Palicocin™ is a stable, highly bioavailable pharmaceutical ingredient with the potential to be developed as a prescription medicine in a variety of neurological disorders.

### About Lobe Sciences Ltd.

Lobe Sciences, Ltd. is a commercial stage biotechnology company focused on developing transformative therapies for unmet medical needs. Through its subsidiaries, Alera Pharma, Inc. and Aleria, Inc., Lobe Sciences is developing patented drug candidates to treat chronic cluster headache (Alera) and innovative medical foods to address deficiencies commonly seen in sickle cell disease (Aleria). Lobe Sciences provides common services to its subsidiaries including accounting, finance, and general administrative services.

### About Alera Pharma, Inc.

Alera Pharma, Inc. is a private subsidiary of Lobe Sciences, Ltd., dedicated to the development and commercialization of innovative pharmaceutical products. With a focus on addressing unmet medical needs, Alera Pharma is committed to improving patient outcomes in a variety of neurological disorders through cutting-edge research and development.

### Cautionary Statement Regarding "Forward-Looking" Information

This news release includes certain statements and information that may constitute forward-looking information within the meaning of applicable Canadian securities laws. All statements in this news release, other than statements of historical facts, including statements regarding future estimates, plans, objectives, timing, assumptions or expectations of future performance, including, without limitation, the belief that the Company and Alera will be able to create an oral prescription medication that can be precisely dosed and developed for a variety of neurological disorders; the belief that patients with Chronic Cluster Headache have a need for Conjugated Palicocin™; the anticipated approval by the FDA, and the timing thereof; and the Company's belief that palicycbin may be able to treat several other disorders, are forward-looking statements and contain forward-looking information. Generally, forward-looking statements and information can be identified by the use of forward-looking terminology such as "intends" or "anticipates", or variations of such words and phrases or statements that certain actions, events or results "may", "could", "should" or "would" or occur.

Forward-looking statements are based on certain material assumptions and analysis made by the Company and the opinions and estimates of management as of the date of this press release, including, among other things, that any prescription medication that is developed from Conjugated Palicocin™ can be precisely dosed and developed for a variety of neurological disorders; that there is a need for need for Conjugated Palicocin™; the Company will obtain FDA approval for Conjugated Palicocin™ and will be able to do so on an expedited timeline; and Conjugated Palicocin™ may have use in treatment of other disorders. These forward-looking statements are subject to known and unknown risks, uncertainties and other factors that may cause the actual results, level of activity, performance or achievements of the Company to be materially different from those expressed or implied by such forward-looking statements or forward-looking information. Important risks that may cause actual results to vary include, without limitation, the risk that Conjugated Palicocin™ cannot be developed into a precisely dosed prescription medication; the need for Conjugated Palicocin™ is less significant than the Company and Alera anticipate; the Company will not obtain FDA approval for Conjugated Palicocin™ or will not be able to do so on the timeline anticipated; and Conjugated Palicocin™ will not have application in treatment of other disorders.

Although management of the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking statements or forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward-looking statements and forward-looking information. Readers are cautioned that reliance on such information may not be appropriate for other purposes. The Company does not undertake to update any forward-looking statement, forward-looking information or financial outlook that are incorporated by reference herein, except in accordance with applicable securities laws.

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### More News

**November 18, 2024**  
Lobe Sciences and Alera Pharma Announce Motion of Allowance for Second U.S. Patent for Conjugated Palicocin™

**October 16, 2024**  
Lobe Sciences, Ltd. Announces the Appointment of Doctor Capital and Paul Asset Management to Fund Clinical Trials of Conjugated Palicocin™

**August 15, 2024**  
Lobe Sciences Announces Creation of Wholly Owned Subsidiary, Alera Pharma, Inc.

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