



**FOR IMMEDIATE RELEASE**

**TSX-V: PGA**

**PACGEN PRESENTS RESEARCH DATA AT ACCP ON  
EVALUATION OF A NEW HOST DERIVED SYNTHETIC  
ANTIFUNGAL PEPTIDE (PAC-113) IN THE TREATMENT OF  
ORAL CANDIDIASIS**

**Vancouver, BC, Canada (November 13 2007)** – Pacgen Biopharmaceuticals Corporation (“Pacgen”) (TSX-V: PGA) announced today a poster entitled, “Evaluation of a New Host Derived Synthetic Antifungal Peptide (PAC-113) in the Treatment of Oral Candidiasis”, will be presented at the 5<sup>th</sup> International Meeting on Antimicrobial Chemotherapy in Clinical Practice (ACCP) to be held in Portofino, Italy on November 15-17, 2007. The poster presentation of in-vitro data (paper number 29) will be given by Dr. Eva Helmerhorst from Goldman School of Dental Medicine, Boston University.

Dr. Helmerhorst, will be available for discussion at the Poster Review Session located in the Poster Hall from 1:00pm – 2:30pm November 15-17. The in vitro *Candida albicans* cell killing results presented in the poster demonstrate the antifungal activity of PAC-113 can be increased by several orders of magnitude when the drug is formulated with a lower ion concentration. A planned follow-up, Phase IIb clinical dose-ranging study with the improved formulation based on the obtained in vitro data may translate into increased clinical efficacy for PAC-113 in the treatment of oral Candidiasis.

The improved mouthrinse formulation of PAC-113 will be used in the Phase IIb study which will be initiated in the next month. This study is a randomized, examiner-blinded, parallel design trial comparing three doses of PAC-113 to Nystatin mouthrinse. The study will enroll about 200 seropositive HIV patients with oral Candidiasis and will be completed in 2008.

**About PAC-113**

PAC-113 is a 12 amino-acid antimicrobial peptide derived from a naturally occurring histatin protein found in human saliva. This peptide alters the permeability of fungal cell membranes causing cell death. In addition, PAC-113 also interacts with fungal mitochondria causing production of reactive oxygen species that lead to fungal cell destruction. PAC-113 is formulated as a pleasant tasting, sugar-free mouth rinse for use four times per day.

**About Candida Infection**

*Candida albicans* is the most common fungal pathogen among immune-compromised, hospitalized patients, accounting for roughly 50-60% of all bloodstream fungal isolates. Opportunistic growth of *Candida* can be life-threatening if not treated.

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Oropharyngeal Candidiasis, also referred to as "thrush", is a local infection seen in patients treated with antibiotics or steroids, chemotherapy, or radiation therapy to the head and neck, and those with cellular immune deficiency states, such as HIV and AIDS. Patients with xerostomia and those treated with inhaled corticosteroids for asthma or rhinitis are also at risk. Oropharyngeal Candidiasis infection can cause great discomfort, and if not treated, can spread from the primary site of infection through the blood stream to cause a disseminated infection. Disseminated fungal infections are associated with a high mortality rate.

The demand for effective anti-fungals is driven by a rising incidence of immunocompromised patients populations including individuals with HIV, cancer, asthma and diabetes, among others. In 2004, global sales of topical anti-fungal drugs represented nearly a US \$1.6 billion dollar market, and it is projected to grow to US \$2.1 billion by 2009. Pacgen estimates that the current worldwide market opportunity for a novel, safe and effective, oral Candidiasis therapy is approximately US \$300 million.

### **About Pacgen**

Pacgen is a life sciences company focused on the development of therapeutics for the treatment of infectious and inflammatory diseases. The Company's lead product, PAC-113, is an anti-fungal in a Phase II clinical program. Pacgen also has candidates in an early stage research program. The most advanced of these candidates is a protein therapeutic, PAC-G31P, which is currently being investigated in preclinical studies for its potential to treat inflammatory diseases such as acute respiratory distress syndrome. For additional information, please visit [www.pacgenbiopharm.com](http://www.pacgenbiopharm.com).

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### **Forward looking Statements**

Certain statements included in this press release may be considered forward-looking. Such statements involve known and unknown risks, uncertainties and other factors that may cause actual results, performance or achievements to be materially different from those implied by such statements, and therefore these statements should not be read as guarantees of future performance or results. All forward-looking statements are based on Pacgen's current beliefs as well as assumptions made by and information currently available to Pacgen and relate to, among other things, anticipated financial performance, business prospects, strategies, regulatory developments, market acceptance and future commitments. Readers are cautioned not to place undue reliance on these forward looking statements, which speak only as of the date of this press release. Due to risks and uncertainties, including the risks and uncertainties identified by Pacgen in its Final Prospectus dated November 28, 2006, actual events may differ materially from current expectations. Pacgen disclaims any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. For all forward-looking statements, Pacgen claims the safe harbour for forward-looking statements within the meaning of the Private Securities Legislation Reform.

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For further information contact:

Christina Yip

CFO

Tel: 604-629-3383

Email: [cyip@pacgenbiopharm.com](mailto:cyip@pacgenbiopharm.com)

Carol Shafer

Manager, Investor Relations

Tel: 604-629-3380

Email: [cshafer@pacgenbiopharm.com](mailto:cshafer@pacgenbiopharm.com)