

PHARMACOPEIA INC
Form 425
November 03, 2008

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Joseph A. Mollica, Chairman of the Board,
Interim President & CEO
Pharmacopeia
John L. Higgins, President & CEO
Ligand Pharmaceuticals
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Ligand
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Subject Company: Pharmacopeia, Inc.
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Joseph A. Mollica, Chairman of the Board,
Interim President & CEO
Discovering excellence, driving clinical success
TM

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This presentation, and oral statements made with respect to information contained in this presentation, constitute forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Such forward-looking statements include those which express plan, anticipation, intent, goal, contingency or future development and/or otherwise are not statements of historical fact. These statements are based upon management's current expectations and are subject to risks and uncertainties, known and unknown, which could cause actual results and developments to differ materially from those expressed or implied in such statements. These forward-looking statements include, but are not limited to, statements about the successful implementation of Pharmacoepia's strategic plans and the merger transaction between Pharmacoepia and Ligand Pharmaceuticals. Further information about these and other relevant risks and uncertainties may be found in Pharmacoepia's Reports on Form 8-K, 10-Q and 10-K filed with the U.S. Securities and Exchange Commission. Pharmacoepia urges you to carefully review and consider the disclosures found in its filings which are available in the SEC EDGAR database at <http://www.sec.gov> and from Pharmacoepia at <http://www.pharmacoepia.com>. All forward-looking statements in this presentation and oral statements made with respect to information contained in this presentation are qualified entirely

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statements
included
in
this

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Forward-Looking Statements

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Pharmacoepia/Ligand Merger

Merger announced on September 24, 2008

Expected to close Q4 2008/January 2009

Pharmacoepia shareholders benefit from any growth of combined company

Exciting combined portfolio with significant royalty potential

Premium over Pharmacoepia stock price, including further upside through CVR if DARA is partnered

Pharmacoepia financing risk removed

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Combined Product Pipeline
Stage of Development
Product
Indication
Partner
Preclinical
Phase I
Phase II
Phase III / NDA
Marketed
AVINZA ®
Chronic pain
King Pharmaceuticals
PROMACTA
ITP, Hep C, CLD, CIT

GlaxoSmithKline
VIVIANT
/ APRELA
Osteoporosis
Wyeth
FABLYN®
Osteoporosis
Pfizer
PS433540
DARA / Cardiovascular
NA
PS291822
COPD (CXCR2)
Schering-Plough
PS540446
Psoriasis / RA (p38)
Bristol-Myers Squibb
LGD-4665
Thrombocytopenia
NA
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NA

Ligand Products
PS015146
Undisclosed
Schering-Plough
Pharmacoepia Products
SGRM
Inflammation & Cancer
NA

John L. Higgins, President & CEO
Ligand Pharmaceuticals

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Safe Harbor Statement

The following presentation contains forward-looking statements regarding the proposed acquisition of Pharmacopeia by Ligand, including projections regarding expectations for potential research and development payments, savings in operational costs, cash burn rates, timing of achieving positive cash flow, and potential revenue and profits of a combined company.

The forward looking statements made in the presentation are subject to several risk factors, including, but not limited to the reliance on collaborative partners for milestone and royalty payments, regulatory hurdles facing product candidates, uncertain product development costs, disputes regarding ownership of intellectual property, the commercial success of approved products. The failure of Pharmacopeia's stockholders to approve the merger, Ligand's inability to satisfy the conditions of the merger, or that the merger is otherwise delayed or ultimately not consummated, and a failure of the combined businesses to be integrated successfully. Additional risks may apply to forward looking statements made in this presentation.

The risk factors facing Ligand and Pharmacopeia are explained in greater detail in the

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Company's and Pharmacopeia's filings with the SEC, including the most recently filed annual reports on Form 10-K and quarterly reports on Form 10-Q, as well as other public filings.

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Additional Information and Where to Find It

Ligand filed on October 20, 2008, the SEC a preliminary Registration Statement on Form S-4, which includes a proxy statement of Pharmacoepia and other relevant materials in connection with the proposed transaction. Once, finalized, the proxy statement will be mailed to the stockholders of Pharmacoepia. Investors and security holders of Pharmacoepia are urged to read the proxy statement and the other relevant materials when they become available because they will contain important information about Ligand, Pharmacoepia and the proposed transaction. The proxy statement and other relevant materials (when they become available), and any other documents filed by Ligand or Pharmacoepia with the SEC, may be obtained free of charge at the SEC's web site at www.sec.gov. In addition, investors and security holders may obtain free

copies
of
the
documents
filed
with
the
SEC
by
Ligand
by
going
to
Ligand's
Investor
Relations
website
at
www.ligand.com.

Investors and security holders may obtain free copies of the documents filed with the SEC by Pharmacoepia by going to Pharmacoepia's Investor Relations page on its corporate website at www.pharmacoepia.com. Investors and security holders of Pharmacoepia are urged to read the proxy statement and the other relevant materials when they become available before making any voting or investment decision with respect to the proposed transaction.

Ligand and its respective directors and executive officers may be deemed to be participants in the solicitation of proxies from the stockholders of Pharmacoepia in favor of the proposed transaction.
Information concerning

Ligand's
directors
and
executive
officers

is
set
forth
in

Ligand's
proxy
statement

for
its
2008
annual
meeting

of
shareholders,
which

was
filed
with

the SEC on April 29, 2008, and annual report on Form 10-K filed with the SEC on March 5, 2008.

Pharmacoepia

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proxies from the stockholders of Pharmacoepia in favor of the proposed transaction. Information about Pharmacoepia's executive officers and directors and their ownership of Pharmacoepia common stock is set forth in the proxy statement for the Pharmacoepia 2008 annual meeting of shareholders, which was filed with the SEC on March 24, 2008. Investors and security holders may obtain more detailed information regarding the direct and indirect interests of Pharmacoepia and its respective executive officers and directors in the acquisition by reading the proxy statement regarding the merger, which will be filed with the SEC.

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Why are we Acquiring Pharmacoepia?

Royalty partnerships

Drug discovery platform

Partnerable
assets

Cash and tax assets

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Vision for the Combined Companies

Consolidated operations with strong fundamentals

Strong balance sheet

Cost-efficient R&D business with spending discipline

Robust product pipeline

Diverse royalty partnerships with promising potential revenue and profits

Leverage highly successful drug discovery capabilities of both companies

Focus on early stage drug discovery and development

Partner pipeline assets at earliest value inflection point

Leadership

focused

on

shareholders,

market
credibility
and
solid
foundation

Commitment to driving shareholder value and to transparency on the business with goal to drive strong cash flow and earnings

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Combined Revenue Sources

AVINZA royalties

Potential royalties from three pending NDA s and future registrations in expanded indications

PROMACTA (GSK)

FABLYN (Pfizer)

VIVIANT (Wyeth)

APRELA NDA submission expected in 2009 (Wyeth)

Milestone and Research Payments from existing Pharmacopeia partnerships

\$6.5 to \$25 million potential in 2009

Potential new license payments from pipeline assets

SARM, TPO, Oral EPO, SGRM, DARA, CCR1, JAK3

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Combined company will have one of the strongest, most diverse royalty partnership rosters in the small cap biotech universe
Significant Value in Royalty Partnerships

Numerous deals with nine pharmaceutical companies

Over 15 programs in various stages of research and development in partnership portfolio

More than 20 different therapeutic indications being pursued including the largest untapped markets
Muscle wasting, COPD, thrombocytopenia, asthma

More than \$400 million in potential R&D and milestone payments from existing deals

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Ligand s
Plan for DARA

Current 2009 plan
Finish Phase
IIb
trial;
spend
minimal
amount
to
complete
study

Evaluate partnerability
of DARA by focusing on:

Quality of data

Time and cost to develop drug and get it to market

Patent extension options

Terms of DARA agreement with BMS

Interest level conveyed by

past partnering discussions

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Pro Forma Financial Forecast

Given our current outlook on the combined businesses, 2009 pro forma operating cash burn rate is expected to be \$20 million

Potential for additional revenue and cash infusion from new license agreements

More than \$350 million in potential Net Operating Loss carry-forwards before any limitations

Robustly capitalized company that has sufficient cash to make it to profitability without additional financings

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Strong Research Platforms

Mainly GPCR, kinase, ion channel, other targets

Exclusively nuclear and cytokine receptor targets

Targets

Combinatorial chemistry compound library

Over 7 million compound screening deck

Discrete compounds

100,000 compound library

Chemistry

Broad approach similar to Big Pharma:

-High-throughput & Ultra-HTS Screening

Focused expertise:

-Cell-based assays

-Gene transcription

Screening

Pharmacopeia

Ligand

Highly complementary research technology

Transaction combines two successful discovery platforms and integrates strong biology and chemistry capabilities

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Opportunities
and Benefits to Shareholders

Ligand shareholders gain access to:

Numerous royalty partnerships

Pipeline assets

Drug discovery assets

Cash and NOLs

Pharmacopeia shareholders will participate in:

Lucrative potential near-term royalties

Well capitalized company with no anticipated financing needs

Expanded product pipeline

Financial liquidity

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Overview of Ligand s
Partnerships

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Major Collaborations

1997 drug discovery collaboration resulted in
eltrombopag
(PROMACTA)
small molecule
TPO mimetic

ITP: Numerous clinical studies tested, data
published in NEJM, NDA pending approval
(16-0 panel vote in favor of drug)

Hepatitis C: Two Phase III trials were initiated
in 4Q:07, Phase II Hep C data published in

the NEJM

CIT: Chemotherapy-induced
thrombocytopenia Phase II ongoing

Sarcoma: Phase I trial
&

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Thrombocytopenia -
Causes of Disease

Decreased production of platelets
Myelodysplastic syndrome
Hepatitis C
Cancer in the bone marrow (leukemia)
Aplastic anemia

Increased destruction of platelets
Autoimmune, such as ITP
Sequestration in the spleen

Drug-induced

Myelosuppression by chemotherapy regimens
Anti-virals in Hep C therapies

Thrombocytopenia is a condition in which there is an abnormally low level of platelets in the blood.

Regardless of the underlying cause, thrombocytopenia leads to decreased platelet counts, which puts patients at greater risk for bleeding and serious adverse events.

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Medical Significance of Thrombocytopenia (US)

(Estimated markets)

Potential

Treatable

Patients

ITP

~100,000

Hepatitis C

~120,000

Myelodysplastic syndrome

~20,000

Leukemia / lymphoma

~50,000

Chemotherapy induced thrombocytopenia

~140,000

Intensive

care

unit

acquired

~500,000

Bone marrow transplants

~50,000

Lupus

~100,000

Cirrhosis

~113,000

HIV/other

~600,000

~ 2 million platelet transfusions per year

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Illustrative Cost for Blood-Related Treatments
Annual
Cost
of
Care
Pharmaceuticals
~\$15,000 (annual cost of care)
Splenectomy
\$48,000 (procedure and medical management)
Platelet Transfusion
Single Course
\$4,000
Leukemia
\$84,000 (2 to 4 weeks daily)
Bone Marrow Transplant
\$140,000 (4 to 6 weeks daily)
Chemotherapy

\$20,000 (5 cycles)

NPlate

*\$55,000

References: USRDS, 2005. DrugStore.com, Blood 108:481B-482B, 2006

American Red Cross, Transfusion of Plateles: Current Issues, Medical and Scientific Updates, No 98-6.

*Cost of therapy will be significantly higher if increased dose is needed; Cowen & Company Analyst Report, August 29, 2008

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SERM Collaborations

Ligand has two partnerships around
Selective Estrogen Receptor Modulators (SERMs):

Wyeth

Pfizer

SERMs bind with estrogen receptors in a tissue-specific manner:

Exhibit estrogen action in some tissues and anti-estrogen
action in other tissues

Deliver benefits of estrogen in desirable tissues without
the negative side effects

Potential target markets: osteoporosis, vaginal atrophy and
vasomotor symptoms of menopause

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SERM Collaborations

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Bazedoxifene (VIVIAN) Monotherapy:

Received third FDA approvable letter for osteoporosis
in May 2008

Expects to file complete response with FDA by year-end

Submitted NDA for osteoporosis treatment in 3Q:07

Submitted MAA for osteoporosis prevention &
treatment in 3Q:07

Bazedoxifene in Combination with Premarin CE (APRELA):

FDA Meeting in February 2008 discussed product

formulation, bioequivalence and clinical study
efforts to support the planned NDA filing.
NDA planned by 2H:09

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SERM Collaborations

Lasofoxifene (FABLYN) for osteoporosis
treatment

NDA pending approval; FDA Extended Review
through January 2009

FDA Panel had positive vote (9-3) on
September 8, 2008 that benefits could
outweigh its risks, including blood clots and
vaginal bleeding for the osteoporosis treatment
indication for FABLYN

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SARM
Selective Androgen Receptor Modulators

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SARM Program

Androgens (e.g. testosterone) are steroids that play key roles in bone, skeletal muscle and libido

Current androgenic drugs have disadvantages that significantly limit their use

Non-selective stimulation of all androgen receptors

Inconvenient formulations

injectable or topical

Available oral drugs have potential for hepatotoxicity

Ligand s lead SARMS LGD-3303 and LGD-4033:

Tissue-selective for bone and muscle while sparing the prostate

Orally active

In preclinical development and expected IND filing in 4Q08

Target Indications:

osteoporosis, frailty, hypogonadism,

sexual dysfunction, cachexia

Market Need

Convenient, prostate-sparing androgen receptor modulator with activity in bone, muscle and CNS

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BMD

Muscle

Mass

SARMs Address a Major Unmet Need

Approximately 1/3 of Older Adults

have low muscle mass and

low bone mineral density

Revue de Medecine Interne 2000; 21:608,

Molecular Aspects Med. 2005; 26:818

Healthy Elderly

Elderly with

Serious Disease

Epidemiology of Aging

Ligand SARM Repletes

Muscle and Bone Loss

Increased falls

Increased risk of fractures
Normal Level
Hormone Deficient

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EPO Mimetic Program

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Oral EPO Mimetics Will Provide New Therapeutic Options to Patients

Research-stage program to discover non-peptide, small molecule oral agonists

Builds upon our recent success in discovering TPO mimetic drugs

Current recombinant EPO proteins and the EPO receptor synthetic peptides in development

All require injection

Minimal differentiation of products results in limited therapeutic option

Oral HIF Prolyl Hydroxylase inhibitors in development have the potential for mechanism-based toxicity

HIF-induced angiogenesis is a risk

Oral EPO mimetics will potentially provide targeted activation of the EPO signaling pathway with an oral dosing route

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TPO Mimetic Program

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Ligand TPO Mimetic Program

The goal to develop best-in-class molecules to stimulate the production of platelets focused on:

Potency

Onset of action

Safety

Oral dosing flexibility

Ligand's lead molecule, LGD-4665 has a promising efficacy and safety profile

Ligand is developing a robust library of next generation compounds

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LGD-4665 Summary

LGD-4665 is approximately 10 times more potent than eltrombopag based on published data

The drug was safe and well tolerated in Phase I studies

The strong efficacy, good safety and long half-life may permit weekly dosing regimen

Conducting numerous pharmacology studies, to establish drug activity and differentiate drug profile from other TPO mimetic drug candidates

Conducting Phase II ITP trial

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Combined Product Pipeline

Stage of Development

Product

Indication

Partner

Preclinical

Phase I

Phase II

Phase III / NDA

Marketed

AVINZA ®

Chronic pain

King Pharmaceuticals

PROMACTA

ITP, Hep C, CLD, CIT

GlaxoSmithKline
VIVIANT
/ APRELA
Osteoporosis
Wyeth
FABLYN®
Osteoporosis
Pfizer
PS433540
DARA / Cardiovascular
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COPD (CXCR2)
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PS031291
Arthritis/MS (CCR1)
NA

Ligand Products
PS015146
Undisclosed
Schering-Plough
Pharmacoepia Products
SGRM
Inflammation & Cancer
NA

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Near-Term Milestone and Events Calendar

1Q 09

FABLYN FDA Action

1Q 09

Phase IIb

DARA

4Q 08

Completion of SP CXCR2 Trial in COPD

1Q 09

VIVIAN T FDA Action

4Q 08

Phase II ITP Interim Data

Projected Timing

Development and Regulatory Events

Ligand SARM IND Submission

PROMACTA FDA Action
4Q 08
Anytime?