Sol-Gel

Advanced Topical Therapy

NASDAQ: SLGL

Forward-Looking Statements

This presentation contains “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995. All statements contained in this presentation that do not relate to matters of historical fact should be considered forward-looking statements, including, but not limited to, statements regarding the benefits we expect to receive under our agreement with Galderma; expected net sales and royalty income in line with volume growth of EPSOLAY and/or TWYNEO; the benefits of and projections of our future financial performance as a result of our acquisition and development of SGT-610; the timing and success of any clinical studies and obtaining of regulatory approval for our product candidates, including SGT-610; and our expected cash runway. These forward-looking statements include information about possible or assumed future results of our business, financial condition, results of operations, liquidity, plans and objectives. In some cases, you can identify forward-looking statements by terminology such as “believe,” “may,” “estimate,” “continue,” “anticipate,” “intend,” “should,” “plan,” “expect,” “predict,” “potential,” or the negative of these terms or other similar expressions. Forward-looking statements are based on information we have when those statements are made or our management’s current expectations and are subject to risks and uncertainties that could cause actual performance or results to differ materially from those expressed in or suggested by the forward-looking statements. Important factors that could cause such differences include, but are not limited to, the risk that the initiation or results of the Phase 3 study for SGT-610 will be delayed or not occur, the risk that our annual net sales from SGT-610 will be lower than expected, risks that our cash runway will be shorter than expected as well as the following factors: (i) the adequacy of our financial and other resources, particularly in light of our history of recurring losses and the uncertainty regarding the adequacy of our liquidity to pursue our complete business objectives; (ii) our ability to complete the development of our product candidates; (iii) our ability to find suitable co-development partners; (iv) our ability to obtain and maintain regulatory approvals for our product candidates in our target markets, the potential delay in receiving such regulatory approvals and the possibility of adverse regulatory or legal actions relating to our product candidates even if regulatory approval is obtained; (v) our ability to commercialize our pharmaceutical product candidates; (vi) our ability to obtain and maintain adequate protection of our intellectual property; (vii) our ability to manufacture our product candidates in commercial quantities, at an adequate quality or at an acceptable cost; (viii) our ability to establish adequate sales, marketing and distribution channels; (ix) acceptance of our product candidates by healthcare professionals and patients; (x) the possibility that we may face third-party claims of intellectual property infringement; (xi) the timing and results of clinical trials that we may conduct or that our competitors and others may conduct relating to our or their products; (xii) intense competition in our industry, with competitors having substantially greater financial, technological, research and development, regulatory and clinical, manufacturing, marketing and sales, distribution and personnel resources than we do; (xiii) potential product liability claims; (xiv) potential adverse federal, state and local government regulation in the United States, Europe or Israel; (xv) loss or retirement of key executives and research scientists (xvi) general market, political and economic conditions in the countries in which the Company operates; and (xvii) the current war between Israel and Hamas and any deterioration of the war in Israel into a broader regional conflict involving Israel with other parties. These factors and other important factors discussed in the Company's Annual Report on Form 20-F filed with the Securities and Exchange Commission (“SEC”) on March 10, 2023 as amended, and our other reports filed with the SEC could cause actual results to differ materially from those indicated by the forward-looking statements made in this press release. Except as required by law, we undertake no obligation to update any forward-looking statements in this presentation. This presentation contains information from third-party sources, including data from studies conducted by others and market data obtained from industry publications. Although we believe that such information is reliable, we have not independently verified any of this information and we do not guarantee the accuracy or completeness of this information

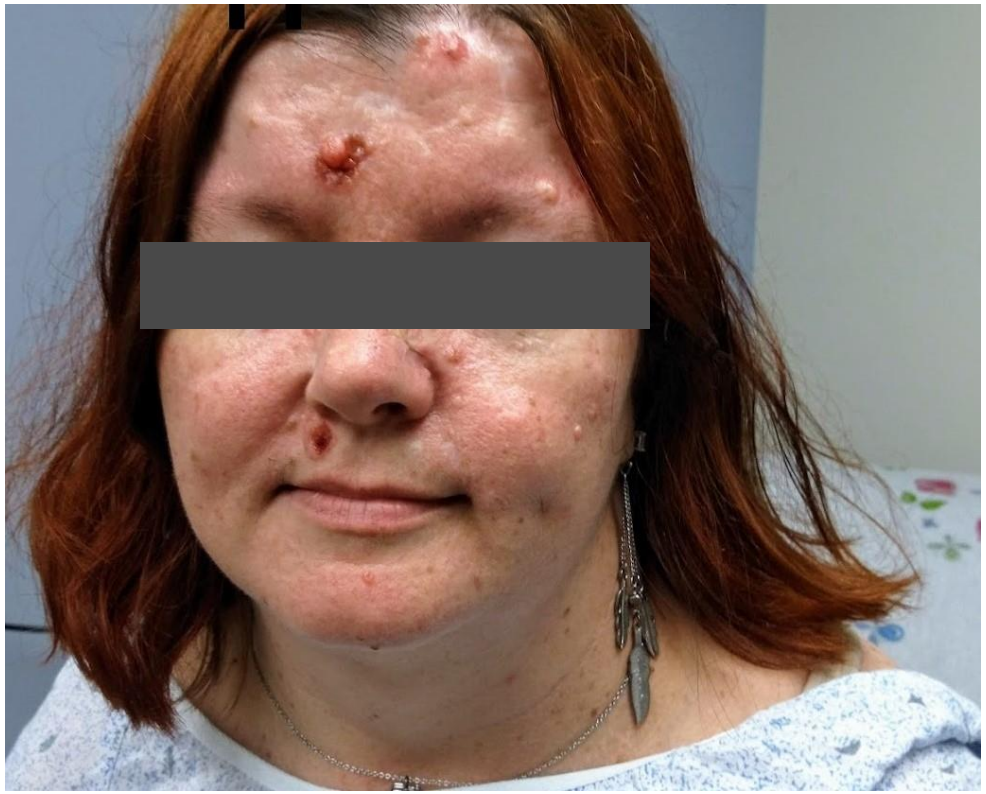
Sol-Gel's Products and Pipeline

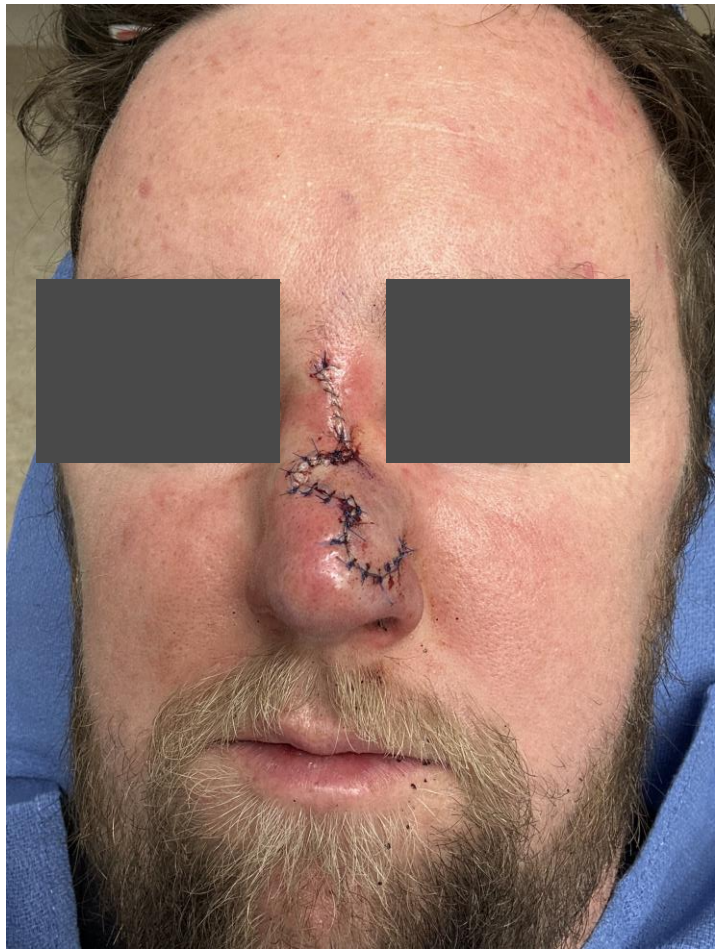

Rx Only
NDC 0299-5945-30
GALDERMA
TWYNEO®
(tretinoin and benzoyl peroxide) cream, 0.1%/3%
For topical use only
Not for ophthalmic, oral
or intravaginal use
30g
Bottle with a pump
MICROENCAPSULATION TECHNOLOGY
GALDERMA
Rx Only
NDC 0299-5945-30
TWYNEO®
(tretinoin and benzoyl peroxide) cream, 0.1%/3%
For topical use only.
30g
Bottle with a pump


GALDERMA
Rx Only
NDC 0299-5890-30
EPSOLAY®
(benzoyl peroxide) cream, 5%
For topical use only.
Not for ophthalmic, oral, or intravaginal use.
Package is not child-resistant.
Keep out of reach of children.
MICROENCAPSULATION TECHNOLOGY
GALDERMA
Rx Only
NDC 0299-5890-30
EPSOLAY®
(benzoyl peroxide) cream, 5%
For topical use only.

Gorlin Syndrome (GS) Patients may have Thousands of BCCs During their Lifetime

Painful repeated surgical excision is the treatment of choice for BCCs until this becomes impossible





Photos by courtesy of Gorlin Syndrome Alliance

Potential Market Opportunity > $300M

~17,000 adult Gorlin syndrome patients with BCCs worldwide

US prevalence is 1 in 31,000 out of which 90% have BCC†

EU, UK and China prevalence is 1 in 40,000-60,000 out of which 67% have BCC‡

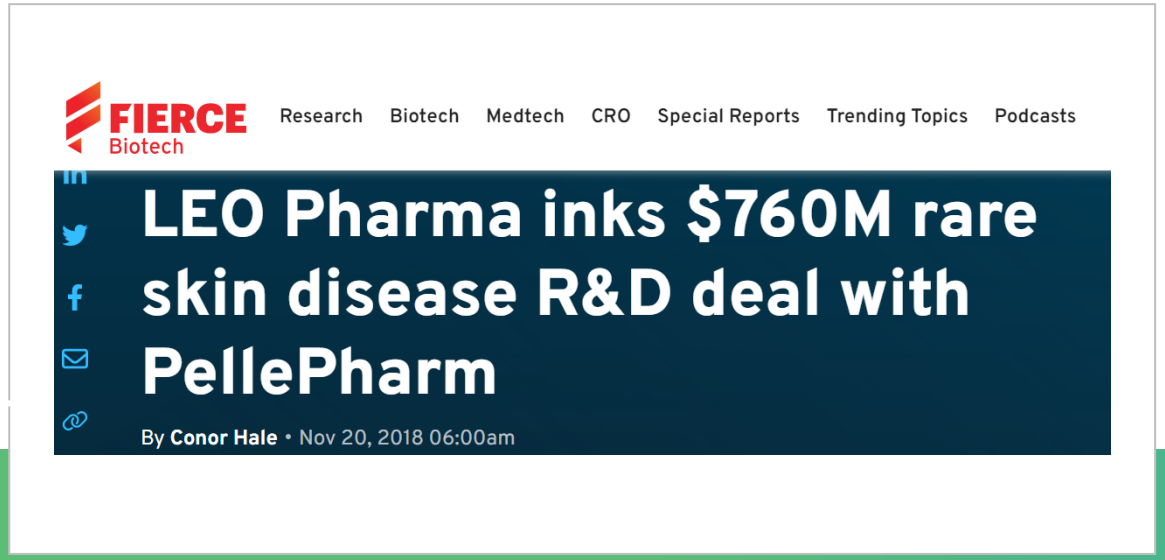
We estimate 44% to 55% market share and patient treatment adherence of 65%*; SGT-610, if approved, represents an annual net revenue opportunity with the potential to exceed $300M

Annual cost of treatment by oral HHIs **>** $100,000

† Gorlin Syndrome Alliance website
‡ Spiker AM, StatPearls. Treasure Island (FL): PMID: 286613671; J. Skin Cancer. 2011; 2011: 217378
* Patient Preference and Adherence 2019:13 2029-2038

Leo Valued Topical Patidegib at $760M + Double-Digit Royalties

Leo's deal with PellePharm terminated following Phase 3 failure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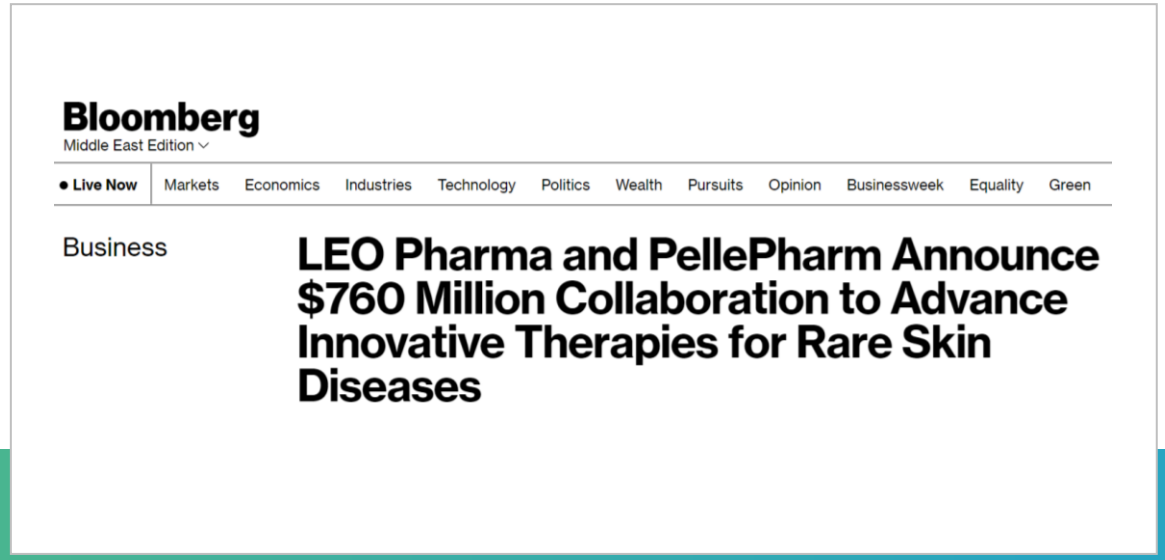
LEO Pharma inks $760M rare skin disease R&D deal with PellePharm

By **Conor Hale** • Nov 20, 2018 06:00am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Business

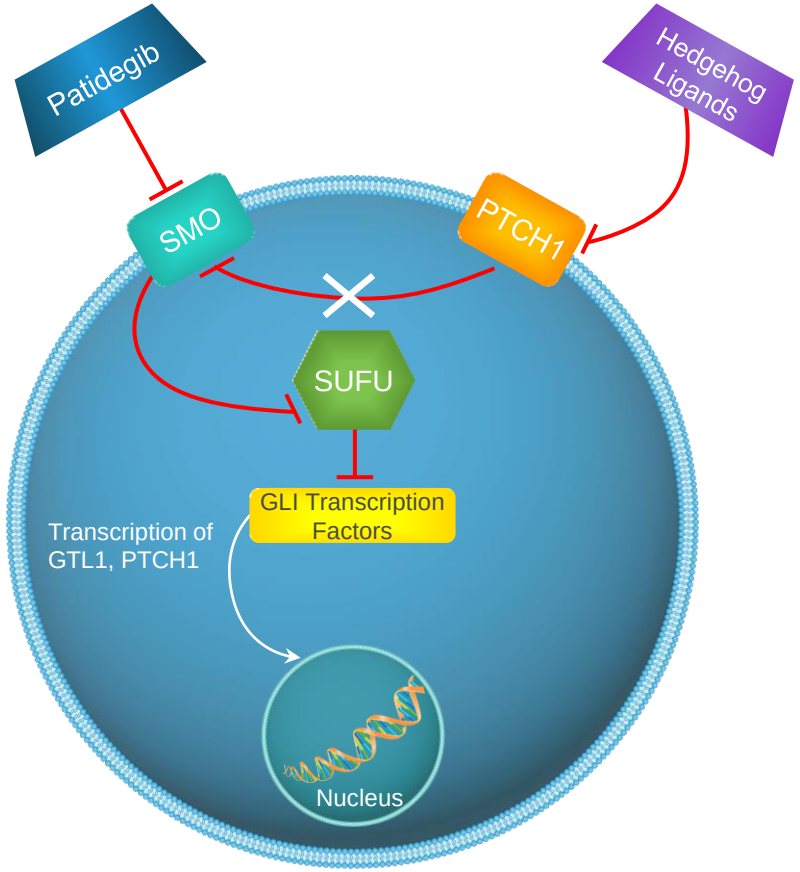
LEO Pharma and PellePharm Announce $760 Million Collaboration to Advance Innovative Therapies for Rare Skin Diseases

The PellePharm / Leo deal started with $70M equity financing and R&D support to fund a global Phase 3 trial

PellePharm was to receive up to additional $690M upon completion of certain regulatory and commercial milestones, in addition to double-digit royalty payments

Hedgehog Inhibitors can Remit BCCs in GS but Adverse Events Result in Discontinuation

GS patients with mutations other than in PTCH1 do not respond to hedgehog inhibitors



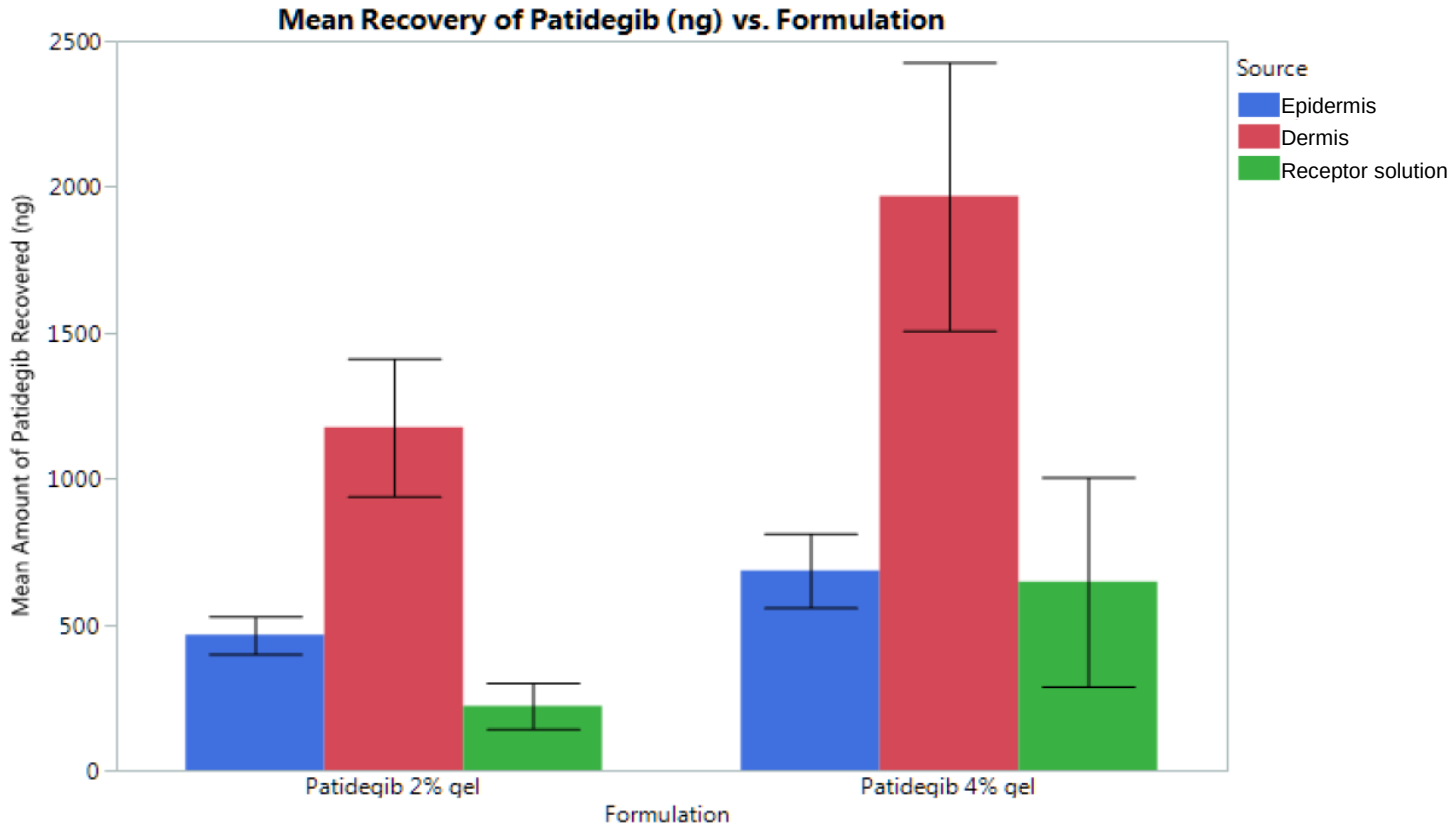
Erivedge vismodegib

Adverse Reaction	(N = 138)		
	All Grades[1] (%)	Grade 3 (%)	Grade 4 (%)
Gastrointestinal			
Nausea	30%	0.7%	-
Diarrhea	29%	0.7%	-
Constipation	21%	-	-
Vomiting	14%	-	-
General			
Fatigue	40%	5%	0.7%
Investigations			
Weight loss	45%	7%	-
Metabolism and nutrition			
Decreased appetite	25%	2.2%	-
Musculoskeletal and connective tissue			
Muscle spasms	72%	3.6%	-
Arthralgias	16%	0.7%	
Nervous system			
Dysgeusia	55%	-	-
Ageusia	11%	-	-
Skin and subcutaneous tissue			
Alopecia	64%	-	-

[1] Grading according to National Cancer Institute-Common Terminology Criteria for Adverse Events version 3.0.

SGT-610 Aims to Prevent New BCCs in GS Without Systemic Adverse Events

“Orphan Drug” and “Breakthrough Therapy” designations have been received

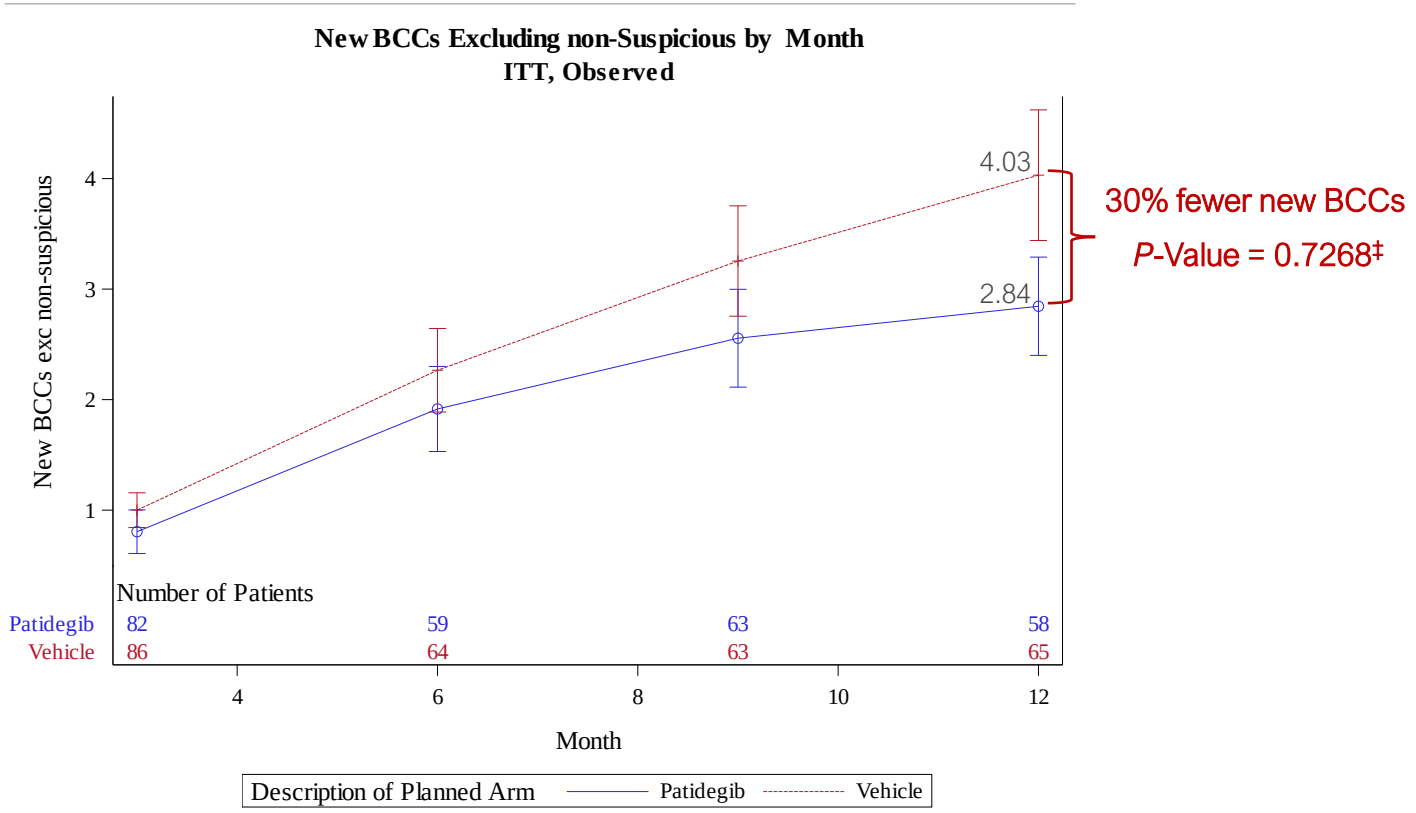


Amount of patidegib (ng) recovered from the epidermis, dermis and receptor solution 24h post-application of patidegib 2% and 4% gel formulations. The data is presented as the mean ± SEM (n=11-12 across 3 individual skin donors)

PellePharm’s report: 180-1701-05R

PellePharm Failed in Phase 3 Despite 30% Fewer New BCCs

Subjects were not tested for their GS mutations and subjects with as few as 2 BCCs were enrolled†



† Pelle-926-301 study design: 12-month, double blind, 1:1 vehicle controlled, entire face, BID, subjects with a minimum of 2 small BCCs at baseline

‡ Missing data of subjects who discontinued due to adverse events, use of a prohibited concomitant medication or lack of efficacy were imputed based on vehicle; and imputed based on randomized treatment for remaining subjects

Influence of Baseline Severity on Efficacy

Post-hoc analysis reveals 48% fewer new BCCs for higher-burden PTCH1 positive patients

Post Hoc Negative Binomial Analysis of the Number of new Basal Cell Carcinomas per Subject by Month 12 using Multiple Imputation by Subgroups – mITT Population†

Variable Subgroup Statistic	Patidegib (N = 52)	Vehicle (N=58)
Baseline BCCs Split by Overall Median		
< = 10.5 BCCs at Baseline	30	26
Total new BCCs	70	55
LS Mean for new BCCs per year (Std Err)	2.93 (0.74)	1.77 (0.51)
95% CI	(1.48, 4.38)	(0.78, 2.77)
Rate-ratio: Patidegib / Vehicle (Std Err)	1.65 (0.39)	
95% CI of Mean Ratio	(0.77, 3.54)	
P-value (1)	0.1958	
< = 10.5 BCCs at Baseline	22	32
Total new BCCs	47	174
LS Mean for new BCCs per year (Std Err)	3.77 (0.76)	7.24 (1.09)
95% CI	(2.27, 5.26)	(5.11, 9.38)
Rate-ratio: Patidegib / Vehicle (Std Err)	0.53 (0.25)	
95% CI of Mean Ratio	(0.32, 0.85)	
P-value (1)	0.0098	

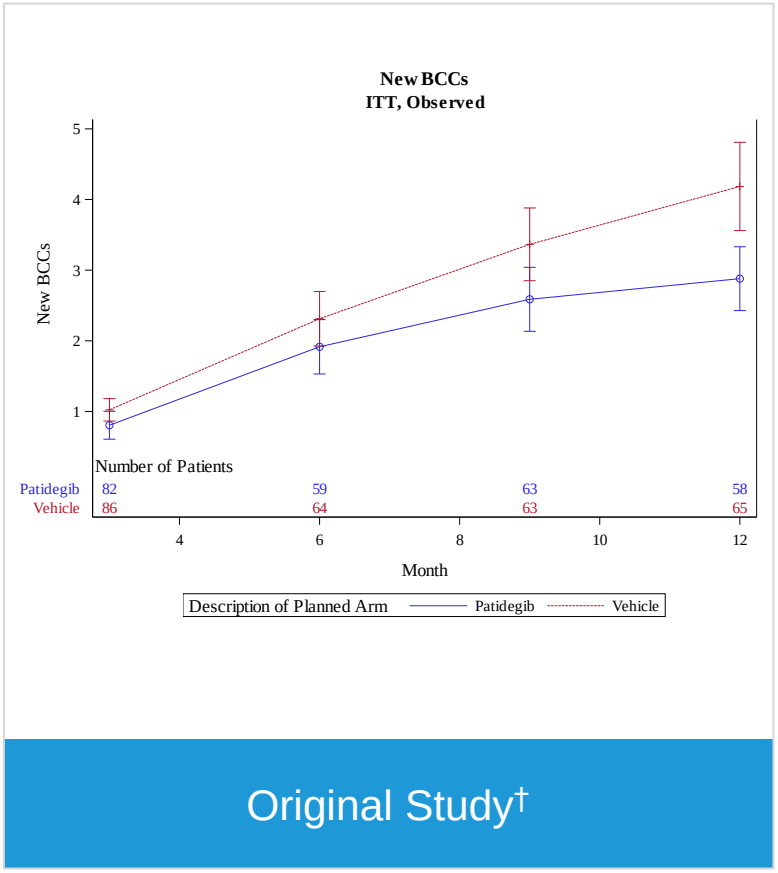
48% fewer new BCCs

†mITT = ITT population showing mutation in PTCH1

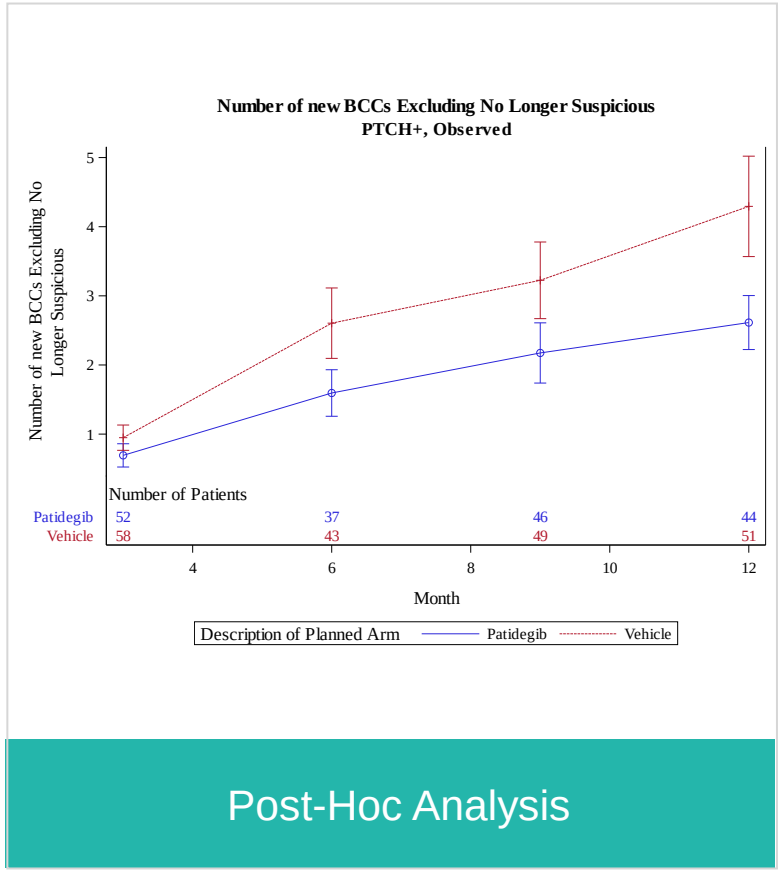
[1] P-values are obtained from a Negative Binomial regression with number of BCCs at Baseline as covariate. Subjects who dropped out due to lack of efficacy or adverse events or used a prohibited concomitant medication were imputed based on Vehicle new BCC counts. Other subjects with missing data were imputed by randomized treatment new BCC counts.

Early Onset of Action is Expected for PTCH1 Positive and Higher-Burden Patients

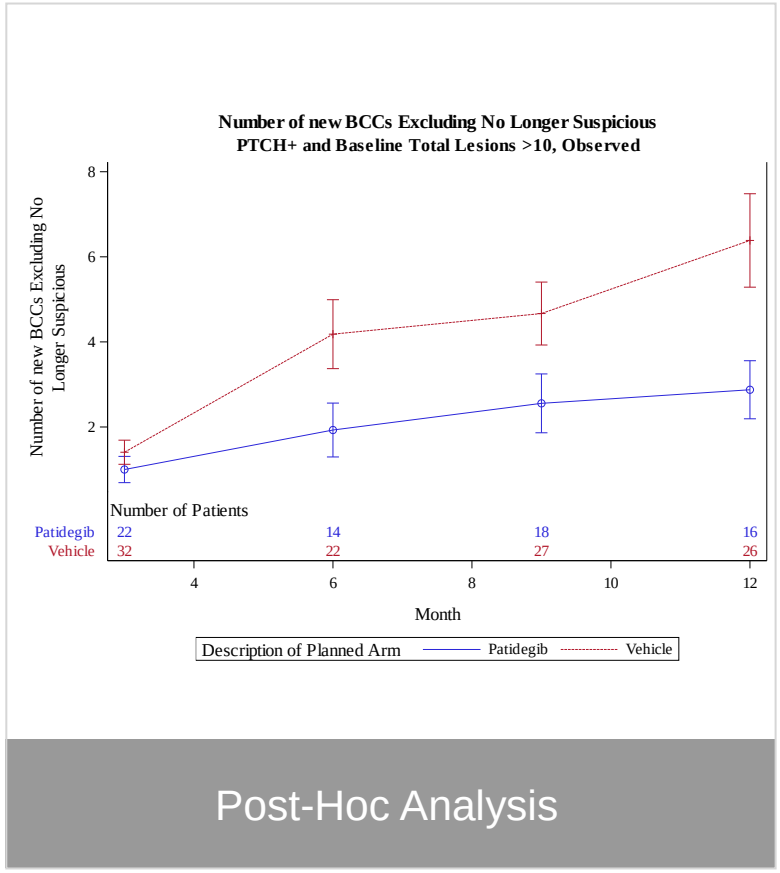
Original vs. post-hoc analyses of PellePharm's Phase 3 results



Original Study†



Post-Hoc Analysis



Post-Hoc Analysis

† Pelle-926-301

No Safety Signal Identified in PellePharm's Phase 3 Study

Patidegib gel demonstrated safety and tolerability profiles similar to vehicle

SAEs	Related Serious Treatment Emergent Adverse Events: None
Related TEAEs	Related TEAEs: Patidegib – 26 subjects; Vehicle – 28 subjects
Discontinuations	Related TEAEs leading to discontinuation: Patidegib – 3 subjects (diarrhea, application site pain, pain); Vehicle – 1 subject (face edema)
Confirmatory	These findings are in line with the low plasma distribution of topical patidegib found in *in vivo* studies

Potential to be the First Therapy for Preventing New BCCs in GS, if Approved

Our upcoming Phase 3 will include necessary adjustments for inclusion criteria

In line with the FDA's advice and the above empirical findings, we intend to:

1) Only include GS patients having PTCH1 mutation, which is the most common;
   GS patients with mutations in SUFU gene will not respond to patidegib as SUFU is downstream of SMO gene
2) Only include patients with high baseline lesion burden – as SGT-610 is aimed to be a prophylactic treatment

FDA and EMA have stated that approval may be supported by a single Phase 3 trial

Enrollment of 100-150 subjects in planned study with 90% power

“Explore the Impact of Baseline Disease Characteristics on Outcomes”

FDA’s advice on the design of a new Phase 3 is in line with our findings

FDA’s
Advice

“We also note that Study Pelle-926-301 had a fairly high proportion of subjects with missing data, and that treatment effect estimates were sensitive to the handling of missing data and adjustments for covariates. It may be useful to explore the impact of baseline disease characteristics on outcomes to assist in identifying appropriate design characteristics and consider ways to improve subject retention in future trials.”

May 2021

SECURING A STRONG BALANCE SHEET

Financial Profile

Financials	September 30, 2023
Cash and Investments	$43.3M
Shares Outstanding	27,857,620 ordinary shares
Expected Partnership Income	Royalties from Galderma and Searchlight
Cash Runway	Based on additional proceeds raised in January 2023, we anticipate that our cash resources will enable funding into the second half of 2025

Gross proceeds of $86.3M raised in IPO on February 5, 2018

Gross proceeds of $11.5, $23, $5M, $22.8M ($10M received in April 2023) raised in follow-on offerings on August, 2019, February 2020, April 2020 and January 2023, respectively

Generated non-dilutive income totaling $68.2M from agreements with Galderma, Padagis, Searchlight and royalties from two generic drugs

$5.1M proceeds related to revenues from Padagis received in 2023

In Summary

- According to IQVIA, almost 9,000 units of TWYNEO and almost 4,200 units of EPSOLAY were sold in the US in the four weeks ending August 18th; Revenue from EPSOLAY and TWYNEO expected to grow as we expand to new territories, ex-US
- We have the option to regain commercialization rights for EPSOLAY and TWYNEO in 2027
- A successful Phase 3 trial for patidegib and getting the drug approved has the potential to result in a $300M drug
- Other significant opportunities exist for us to pursue in dermatological diseases such as SGT-210 for Pachyonychia congenita and other hyperkeratosis indications

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