# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

# FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of Earliest Event Reported): November 29, 2016

# PDL BioPharma, Inc.

(Exact name of Company as specified in its charter)

000-19756 (Commission File Number)

Delaware (State or Other Jurisdiction of Incorporation)

94-3023969 (I.R.S. Employer Identification No.)

932 Southwood Boulevard Incline Village, Nevada 89451

(Address of principal executive offices, with zip code)

(775) 832-8500

(Company's telephone number, including area code)

Ch	eck the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the Company under any of the following provisions:
	Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
	Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
	Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
	Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

#### Item 7.01 Other Events.

On November 29, 2016, PDL BioPharma, Inc. (the Company) will present at the 28th Annual Piper Jaffray Healthcare Conference in New York City, New York. A copy of the Company's presentation materials has been posted to the Company's website and is attached hereto as Exhibit 99.1.

Limitation of Incorporation by Reference

In accordance with General Instruction B.2. of Form 8-K, this information, including the Exhibit, is furnished pursuant to Item 7.01 and shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that section. The information in this Item 7.01 of this Current Report on Form 8-K will not be deemed an admission as to the materiality of any information that is required to be disclosed solely by Regulation FD.

#### Cautionary Statements

This filing and the presentation include "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Although we believe that the expectations reflected in the forward-looking statements are reasonable, we can give no assurance that such expectations will prove to be correct. Important factors that could impair the Company's royalty assets or business are disclosed in the "Risk Factors" contained in the Company's 2015 Annual Report on Form 10-K filed with the Securities and Exchange Commission on February 23, 2016, and updated in subsequent filings. All forward-looking statements are expressly qualified in their entirety by such factors. We do not undertake any duty to update any forward-looking statement except as required by law.

#### Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit No. Description

99.1 Presentation

## **SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the Company has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

PDL BIOPHARMA, INC. (Company)

By: /s/ Peter S. Garcia

Peter S. Garcia

Vice President and Chief Financial Officer

Dated: November 29, 2016

## **Exhibit Index**

Exhibit No.		Description	
99.1	Presentation		



# Piper Jaffray 28<sup>th</sup> Annual Healthcare Conference

November 29, 2016

# PDL

# Mission



# Mission

PDL BioPharma seeks to optimize its return on investments so as to provide a significant return for its shareholders by acquiring and managing a portfolio of companies, products, royalty agreements and debt facilities in the biotech, pharmaceutical and medical device industries.

# PDL

# Overview



# **PDL** Today

- ✓ Noden Pharma DAC investment, an Irish domiciled specialty pharma, ultimately resulting in ~88% ownership.
- ✓ Tekturna<sup>®</sup> and Tekturna HCT <sup>®</sup> in US and Rasilez <sup>®</sup> and Rasilez HCT <sup>®</sup> in the rest of world.
- ✓ These are direct renin inhibitors, either as monotherapy (Tekturna and Rasilez) or combination with a diuretic (Tekturna HCT and Rasilez HCT), for the treatment of hypertension, typically third line therapy.
- Acquired from Novartis which had worldwide sales of \$154 million in 2015 and \$73 million in 1H16.
- ✓ Limited promotional activities for last 3 years

## √ Four debt deals representing deployed and committed capital of \$268 and \$308 million, respectively: Lensar, Direct Flow Medical kaléo, and CareView.

- Seven royalty transactions representing deployed and committed capital of \$496 and \$537 million, respectively: Depomed, VB, University of Michigan, ARIAD, Kybella and AcelRx.
- ✓ One hybrid royalty/debt transaction representing deployed and committed capital of \$44 million: Wellstat Diagnostics.
- ✓ Five completed deals with average annualized return of 18.4%.

Royalty & Debt Deals

Specialty Pharma



# **PDL Future**

Specialty Pharma

- ✓ Acquiring additional specialty pharma products for Noden Pharma DAC.
- ✓ Significant focus.
- ✓ Using proceeds from completed deals to fund new product acquisitions.

Royalty & Debt Deals

Fewer royalty transactions and still fewer debter transactions.



# **Experienced Leadership**

## Management

John McLaughlin

President & CEO

**Christopher Stone** 

VP, General Counsel & Secretary

Peter Garcia

VP & Chief Financial Officer

**Danny Hart** 

VP, Business Development

Steffen Pietzke

Controller & Chief Accounting Officer

Nathan Kryszak

Senior Counsel

## **Board of Directors**

**Paul Edick** 

David Gryska

Jody Lindell

John McLaughlin

Samuel Saks

**Paul Sandman** 

Harold E. Selick, Ph.D.

Lead Director

Leadership Team with a Track-Record of Success

# PDL





# Hypertension

- Chronic condition with serious long-term cardiovascular implications which affects about 29% of the US adult population = 78 million in US alone.
- Majority of hypertension diagnosis and management occurs in primary care setting (PCP) with rare referrals when there are severe co-morbidities or suspected secondary causes.
- ACEs and ARBs are typically first and second line therapies.
- Tekturna is deemed to be an alternative to ACEs (angiotensin converting enzyme) and ARBs (angiotensin receptor blocker), especially in ACE/ARB intolerant patients.
  - ~12% are intolerant of both ACEs and ARBs = 9.3 million in US alone.



# Tekturna Products in Noden

#### US

- Tekturna® aliskiren is a direct renin inhibitor for the treatment of hypertension that reduces plasma renin by inhibiting the conversion of angiotensinogen to angiotensin I.
  - Not for use with ACEs or ARBs in patients with diabetes or renal impairment.
     Approved in US in 2007.
- Tekturna HCT® combination of aliskiren and hydrochlorothiazide, a thiazide diuretic, for the treatment of hypertension in patients not adequately controlled by monotherapy and as initial therapy in patients likely to need multiple drugs to achieve their blood pressure goals.
  - o Not for use with ACEs and ARBs in patients with diabetes or renal impairment and not for use in patients with known anuria or hypersensitivity to sulfonamide derived drugs.
  - Approved in US in 2009.

#### Ex-US

- Rasilez® trade name for Tekturna outside the US
  - Approved in EU in 2007.
- Rasilez® HCT trade name for Tekturna HCT outside the US
  - Approved in EU in 2009.



# Tekturna Products Labeling

# For full prescribing information for Tekturna and Tekturna HCT, please visit: www.tekturna.com.



# Tekturna: Efficacy Profile

- ☐ Randomized, double-blind, placebo controlled studies in patients.
- 2,730 patients administered doses of 75-600 mg of Tekturna and 1,213 patients on placebo.
  - Clinical effects seen at approved doses of 150 mg and 30 mg.

Study	Placebo Mean Change	150 mg Placebo Subtracted	300 mg Placebo Subtracted
1	2.9/3.3	5.9/4.5*	11.2/7.5*
2	5.3/6.3	6.1/2.9*	10.5/5.4*
3	10/8.6	2.1/1.7	5.1/3.7*
4	7.5/6.9	4.8/2*	8.3/3.3*
5	3.8/4.9	9.3/5.4*	10.9/6.2*
6	4.6/4.1		8.4/4.9 <sup>†</sup>

\* p value less than 0.05 versus placebo by ANCOVA with Dunnett's procedure for multiple comparisons.

†p value less than 0.05 versus placebo by ANCOVA for pairwise comparison.



# Tekturna: Safety Profile

- □ Safety data in more than 6,460 patients, including 1,740 treated for longer than 6 months and more than 1,250 treated for longer than 1 year.
- □ Discontinuation of therapy due to clinical adverse event occurred in 2.2% of Tekturna treated patients compared to 3.5% of placebo treated patients.
- □ Cough: rates of cough in Tekturna treated patients were about one-third to one-half of the rates in ACEs arms in activecontrolled trials.
- ☐ Seizures: single episodes of tonic-clonic seizures with loss of consciousness reported in 2 Tekturna treated patients.



# Tekturna: Safety Profile

Placebo-Controlled Trials					
Adverse Event	Tekturna (%)	Placebo (%)			
Edema	0.4	0.5			
Diarrhea	2.3	1.2			
Cough	1.1	0.6			
Rash	1.0	0.3			
Elevated Uric Acid	0.4	0.1			
Gout	0.2	0.1			
Renal Stones	0.2	0.0			

Selected AE's in Patients with Type 2 Diabetes and Chronic Kidney Disease, CV Disease, or Both						
	Tekturna (n=4272)		Placebo (n=4285)			
Adverse Event	SAEs	AEs	SAEs	AEs		
Renal Impairment	5.7	14.5	4.3	12.4		
Hypotension	2.3	19.9	1.9	16.3		
Hyperkalemia	1.0	38.9	0.5	28.2		
Tekturna is contraindicated for use with ACEs and						

ARBs in patients with diabetes or renal impairment



# Tekturna HCT: Efficacy

	ASTRIDE Study	ATTAIN Study	ACTION Study	ACQUIRE Study
Study Design	Aliskiren HCT compared to amlodipine in patients with Stage 2 systolic hypertension and diabetes mellitus	Aliskiren HCT vs. ramipril in obese patients (BMI ≥30 kg/m²) with Stage 2 hypertension	Aliskiren HCT in older patients with Stage 2 hypertension	Aliskiren alone vs. Aliskiren HCT in patients with lower ranges of Stage 2 hypertension
Patient Population	Type 2 diabetes patients with SBP 160 mm Hg to <200 mm Hg	Obese patients with SBP 160 mm Hg to <200 mm Hg	Patients ages ≥55 with SBP 160 mm Hg to <200 mm Hg	Patients with SBP 160 to <180 mm Hg
# of Patients	860	386	451	688
Mean change f	rom baseline with aliskiren/H	CT 300/25 mg, mm Hg		
SBP	-28.8 (week 8)	-28.1 (week 8)	-29.9 (week 4)	-31.2 (week 12)
DBP	-9.9 (week 8)	-10.1 (week 8)	-9.3 (week 4)	-12.9 (week 12)
Mean change f	rom baseline with aliskiren 30	0 mg, mm Hg		
SBP		(144)		-22.5 (week 12)
DBP		()		-9.2 (week 12)



# Tekturna HCT: Safety

- □ Safety data in more than 2,700 patients.
- □ In placebo controlled trials, discontinuation of therapy due to clinical AE occurred in 2.7% of Tekturna HCT treated patients compared to 3.6% of placebo patients.

Placebo-Controlled Trials					
Adverse Event	Tekturna HCT (%)	Placebo (%)			
Dizziness	2.3	1.0			
Influenza	2.3	1.6			
Diarrhea	1.6	0.5			
Cough	1.3	0.5			
Vertigo	1.2	0.5			
Asthenia	1.2	0.0			
Arthralgia	1.0	0.5			



# **SPRINT Trial**

## Objective

 Randomized, controlled, open label trial to determine whether reducing systolic blood pressure from <140 mm Hg to <120 mm Hg reduces CV disease (MI, other acute coronary syndromes, stroke, heart failure or death from CV causes).

#### Patients

- 9,361 randomized into two groups.
- Patient inclusion: 50 years of age with systolic blood pressure of 130-180 mm Hg and increased risk of CV event.

## Primary Endpoint

 First occurrence of MI, other acute coronary syndromes, stroke, heart failure or death from CV causes in up to 6 years.

#### Results

- Trial ended early at median follow-up of 3.26 years due to significantly lower rate
  of events in composite endpoint in intensive treatment group compared to
  standard treatment group (1.65 per year v. 2.19% per year, hazard ratio 0.75,
  p<0.001).</li>
- All-cause mortality also significantly lower in intensive treatment group (hazard ratio 0.73, p=0.003).
- SAE's in 38.3% of intensive treatment group compared to 37.1% in standard treatment group.



# Potential Effect: SPRINT Trial

- □ Surveyed KOLs believe that SPRINT trial has created momentum to modify guidelines with respect to blood pressure goals.
- □ ~80% of physicians surveyed would lower treatment goals to ~120 mm Hg from standard target of 140 mm Hg.
- □ ACEs and ARBs use most likely to increase (42%) as a result of SPRINT trial followed by direct renin inhibitors (32%), such as Tekturna.



# Tekturna: Market Research

#### Novartis

 No active sales or marketing efforts with respect to Tekturna products for last 3 years.

## ■ Market Research

- 21 in-depth qualitative interviews with PCPs, cardiologists, hypertension specialists, and payers.
- 209 participated in quantitative survey of PCPs, cardiologists and hypertension specialists.

## Key Findings

- Most physicians believe Tekturna can be a useful drug for hypertension management for those who cannot tolerate ACEs and ARBs.
- Both qualitative and quantitative findings indicate that physicians appear to be open to prescribing more Tekturna and Tekturna HCT for their hypertension patients.
- Reviewing a detailed product profile for Tekturna in the qualitative survey increased physician estimates for the future use.
- Such promotional efforts could increase the number of Tekturna treated patients.



# Noden Pharma Entities

## Noden DAC

- Domiciled in Ireland.
- Responsible for development and commercialization activities worldwide.
- Responsible for bulk tablet manufacture worldwide and fill-and-finish ex-US.

## Noden US

- Domiciled in Delaware.
- Responsible for commercialization in US.
- Responsible for fill-and-finish in US.

## □ PDL

- As of 3Q2016, approximately 98.8% ownership of Noden.
  Noden financials consolidated with PDL financials as of 3Q16.



# **Transition from Novartis**

## Commercialization

- - Novartis distributing through September 30, 2016 and Noden receiving a transfer of
  - Noden USA assumed commercialization responsibilities on October 1, 2016.

#### Ex-US

- o Novartis distributing until transfer of marketing authorizations (projected 1H17) and
- Noden receiving a transfer of profit.

  Noden DAC assuming commercialization responsibilities after marketing authorization
- o Focus on most of EU, Canada, Switzerland and Japan with either deregistration or licensing or distributor in other potentially important territories, such China.

## Manufacturing

- Novartis to supply API while Noden seeks third party manufacturer but no later than November 2020.
- Novartis to supply tableted product and finished product while Noden seeks third party manufacturer but no later than June 2019 except for US where Noden has already assumed packaging and labeling responsibilities.



# **Noden Team**

## ☐ CEO

 Elie Farah, previously CEO and President of Merus Labs and Transition Therapeutics, Director of M&A at Boehringer Ingelheim.

## ☐ Head of Sales and Marketing US

 Michael McCann, previously head of US Cardiovascular at Sanofi Genzyme, VP of Global Strategic Marketing for Cardiovascular.

## ☐ Head of Manufacturing/Logistics

 Maria Sanchez, previously Global Product Supply New Product Development Project Lead at Bayer.

# ☐ Head of Regulatory Affairs and Pharmacovigilance

 Ronan Donelan, previously Global Head of Regulatory Science at Quintiles with over 30 years of experience.



# Novartis/Tekturna Deal

## ■ Total Potential Deal Size

Up to \$334 million.

- Closing Payments
   \$110 million to Novartis.
   \$40 million to Noden as working capital.

# First Anniversary\$89 million due to Novartis.

## Milestones

Up to \$95 million based on sales levels and generic competition.

## Financing

Combination of equity investment from PDL and debt from third



# Tekturna IP

## □ Tekturna is protected by multiple patents covering composition of matter, pharmaceutical formulation and methods of manufacture.

#### United States

- Composition of matter protection to 2018 for Tekturna; listed in the Orange Book; possible extension for 6 months with successful completion of pediatric testing requirements.
- Composition of matter protection until 2022 for Tekturna HCT.
- Formulation protection until 2026 for Tekturna; listed in the Orange Book.
- Formulation protection until 2028 for Tekturna HCT; listed in the Orange Book.
- Methods of manufacture protection until at least 2021.
  - Paragraph IV filings in 2013 are directed to the formulation patents in the Orange Book.
     No approved ANDA applications in the United States to date.

#### Europe and ROW

- Composition of matter protection until 2020 in Europe.
- Formulation protection until 2025 for Tekturna and 2027 for Tekturna HCT, where granted.
- Method of manufacture protection at least until 2021 where granted.

#### ■ Know-How

 Noden also acquired Novartis' Know-How which is necessary for economical manufacture of the products.

# PDL

# Royalty & Debt Investments



# 16 Royalty & Debt Investments







# **On-Going Transactions**

Entity	Structure	Technology	Deal Summary		
<b>∕</b> kybella ̇́	Royalty	KYBELLA® is an injectable approved for reduction of chinfat and contains synthetic deoxycholicacid which destroys fat cells, resulting in a noticeable reduction in fullness under the chin.	<ul> <li>\$9.5 million for an individual's royaty.</li> <li>\$1 million milestone upon attainment of specified sales level.</li> </ul>		
Acelax Pharmaceuticals, Inc.	Royalty	Combination drug (sufentanil nanotab) and device product used for the treatment of moderate to severe post-operative pain in the hospital setting.	<ul> <li>\$65 million in exchange for 75 percent of the royalties AcelRx receives from Grünenthal as well as 80 percent of the first four commercial milestones subject to a capped amount.</li> </ul>		
ARIAD'	Royalty	Iclusig kinase inhibitor whose primary target is BCR-ABL, an abnormal tyrosine kinase expressed in CML and Ph+ALL.	<ul> <li>Up to \$140M with \$50M at signing, \$50M at 12-month anniversary and up to an additional \$40M at ARIAD's option in July 2017. 2.5% on Iclusg WW net sales from signing through 12 months; 5% from 12 months through 12/31/2018; 6.5% thereafter.</li> </ul>		
CAREVIEW	Debt	Video system and virtual bed rails to passively monitor hospital patients at risk of falling.	<ul> <li>Up to \$40M loan, of which the first tranche of \$20M was funded on October 7, 2015 and the second tranche is payable upon attainment of a milestone by June 30, 2017. Each tranche has a five year maturity; first tranche pays interest at 13.5% and second tranche pays interest at 13.0%.</li> </ul>		
UNDERSOLV OF MECHICAN	Royalty	Cerdelga is an approved or ald rug in US and EU for adult patients with Gaucher Disease type 1.	<ul> <li>PDL acquired 75% of the University of Michigan's royalty interest in Cerdelga until the expiration of the licensed patents in return for \$65.6M.</li> </ul>		
VIB VIGCOOLOGI BROS., ELC	Royalty	PMA-approved spinal implant commercialized by Paradigm Spine.	<ul> <li>PDL acquired right to receive royalties on sales of spinal implant for \$15.5M until PDL receives 2.3xits cash.</li> </ul>		



# **On-Going Transactions**

Entity	Structure	Technology	Deal Summary
kaléo	Debt	Auvi-Q for delivery of epinephrine to treat severe allergic reactions, and EVZIO for delivery of naloxone for opioids overdose.	<ul> <li>\$150M in notes backed by 20% net sales of Auvi-Qand 10% of net sales of EVZIO by kaléo. The Notes pay interest at 13% with an expected final maturity in 2020.</li> </ul>
DIRECT FLOW MEDICAL INC.	Debt	Transcatheter aortic valve system to treat aortic stenosis with minimal risk of aortic regurgitation, a significant clinical complication.	\$35M loan at signing plus \$15M loan funded in November 2014 and \$5M, \$1.5M and \$1.5M million loan funded in January, May and September 2016, respectively, secured by substantially all assets of Direct Flow. Initial interest rate was 15.5% on \$35M and was reduced to 13.5% upon funding the second tranche of \$15M.
Depomed-	Royalty	Glumetza, Janumet XR, Invokana, Boehringer Ingelheim's fixed-dose combinations of drugs and extended- release metformin, UG Life Sciences' and Valeant Pharmaceuticals' extended- release metformin in Korea and Canada.	<ul> <li>PDL acquired royalties and milestones on sales of Type 2 diabetes products licensed by Depomed for \$240.5M until PDL receives \$481M after which payments will be shared evenly between PDL and Depomed. The agreement terminates on the later of October 2024 or when royalty payments are no longer due.</li> </ul>
LENSAR	Debt	Femtosecond laser for cataract treatment which uses 3-D imaging and liquid interface for more accurate corneal incisions.	<ul> <li>\$40M loan secured by substantially all assets of Lensar was amended and restated as part of Alphaeon's acquisition of Lensar. Alphaeon assumed \$42M of debt and issued 1.7 M shares of Alphaeon common stock to PDL as part of the amendment. The loan matures on December 15, 2020.</li> </ul>
Wellstat Diagnostics, LLC	Hybrid royalty/debt	Development of point-of-care diagnostic system using electrochemical luminescence and assays.	<ul> <li>\$44M hybrid debt-royalty structure royalty whereby return on the loans depends on the date of repayment. Upon commercialization of Well stat's diagnostic systems or assay, PDL will receive a low double digit royalty on Well stat Diagnostics' net revenues.</li> </ul>



# **Concluded Transactions**

Entity	Structure	Technology	Deal Summary
MERUS LABS	Debt	Commercialization of Enablex, a treatment for overactive bladder, and Vancocin, an intravenous antibiotic.	\$55M of Notes secured by assets of Merus.     In September 2013 Merus repaid PDL in full plus pre-payment fees.
AxoGen	Hybrid royalty/debt	Commercialization of Avance, nerve allograft to bridge severed nerves, and AxoGuard devices, to connect or protect the reconnection of severed nerves.	<ul> <li>In exchange for \$20.8M, PDL received royalties in a hybrid royalty and debt transaction.</li> <li>Royalty rate was 9.95%. Eight-year term with PDL put at end of year 4 and AxoGen call in years 5 through 8.</li> <li>On November 12, 2014, AxoGen paid \$30.3M to PDL which constituted full payment and PDL bought \$1.75M worth of AxoGen stock.</li> </ul>
DURATA THERAPEUTICS.	Debt	Novel intravenous antibiotic, dalbavancin which is dosed twice for 30 minutes, initially and on day 8.	<ul> <li>\$25M first tranche of loans and \$15M second tranche of loans.</li> <li>The interest rate on first \$25M was 14% which declined to 12.75% on \$40M outstanding when \$15M second tranches was drawn.</li> <li>On November 17, 2014, Durata repaid the \$40M loan plus accrued interest, and prepayment fees and change of control fees.</li> </ul>
AVINGER	Hybrid royalty/debt	Ocelot, image guided catheter devices used to open totally occluded arteries in the legs, and development of Pantheris, image guided atherectomy device.	<ul> <li>In exchange for \$20.0M, PDL received 12% interest on the Notes.</li> <li>In September 2015, PDL received ~\$21.4 million as payment for principal, accrued interest and fees.</li> <li>Includes minimum royalty payments through April 2018</li> </ul>
PARADIGM SPINE	Debt	Coflex for treatment of spinal conditions.	\$54M in loans backed by most assets of Paradigm Spine. Interest rate was 13%.     In August 2016 Paradigm repaid loans in full, plus accrued interest and a prepayment fee.



# Update – Wellstat Diagnostics

# Wellstat Diag. Avinger Depomed Direct Flow Lensar Paradigm Spine kaléo Viscogliosi Bros. U. of Michigan CareView ARIAD AcelRx Kybella

## Background

- Point of care diagnostics company.
- \$44 million hybrid debt-royalty transaction but PDL advanced additional sums to maintain asset during sale process.
- PDL secured by Wellstat Diagnostics, Wellstat Therapeutics and Virginia real estate, among other collateral.
- Owners of company diverted funds in violation of the terms of the loan contract.

#### Update

- In NY court action commenced by PDL to collect from related entities who are guarantors of the loan, the judge ruled in favor of PDL and has appointed a magistrate to determine PDL's damages. Wellstat has appealed the ruling, and their appeal will be heard during the January 2017 term.
- PDL has commenced a non-judicial foreclosure process to collect on the sale of certain Virginia real estate assets owned by guarantors of the loan.



# **Update - Depomed**

Wellstat Diag.

**Avinger** 

## Depomed

**Direct Flow** 

Lensar

Paradigm Spine

kaléo

Viscogliosi Bros.

U. of Michigan

CareView

ARIAD

AcelRx

Kybella

Background

 Biotech company with sustained release technology used in type 2 diabetes drugs.

- \$240.5 million royalty deal based on sales and milestones for five products, approved and unapproved, until PDL receives \$481 million and then payments shared evenly until later of October 2024 or payments no longer due. Glumetza is the biggest royalty in the basket.
- Salix acquired rights to Glumetza and stuffed the distribution channel resulting in larger than expected payments initially and smaller/no payments subsequently.
- Valeant acquired rights to Glumetza with wildly fluctuating payments.
- PDL commenced a royalty audit.

#### Update

- Royalty audit is on-going, including on gross-to-nets.
- Monthly payments from Valeant continue to fluctuate from \$2 million to \$8 million.
- Recent product approvals, Jentadueto XR and Invokamet XR have yielded \$11 million in milestones this year and will begin generating royalties.



# Update - Direct Flow Medical

Wellstat Diag.

**Avinger** 

Depomed

#### **Direct Flow**

Lensar

Paradigm Spine

kaléo

Viscogliosi Bros.

U. of Michigan

CareView

ARIAD

AcelRx

Kybella

#### Background

- Medtech company with approved catheter-based system to replace stenotic aortic heart valves and developing similar system for stenotic mitral valves, a much larger market.
- Initially, \$50.0 million debt structure and PDL advanced additional loans of \$5.0 million, \$1.5 million, \$1.5 million \$1.0 million in January, May, September and November 2016, respectively.

#### Update

- Potential lead investor unexpectedly withdrew its terms sheet for tranched \$65 million equity investment and certain ex-US rights to DFM products.
- PDL is reviewing its options which could include strict foreclosure, an Article 9 asset sale with credit bid, an "orchestrated" chapter 11 filing, merger of the company, or continuation of the mitral valve program in a much smaller DFM.



# Update - kaléo

Wellstat Diag.

**Avinger** 

Depomed

**Direct Flow** 

Lensar

Paradigm Spine

#### kaléo

Viscogliosi Bros.

U. of Michigan

CareView

ARIAD

AcelRx

Kybella

## Background

- Drug/device combination technology for delivery of epinephrine (Auvi-Q: severe allergic response) and naloxone (Evzio: counteract effects of opioid overdose).
- Auvi-Q was made and sold by Sanofi until withdrawn from the market due to manufacturing defect and then all rights returned to kaléo.
- \$150 million debt structure, \$144.8 million principal outstanding.

#### Update

- kaléo has made all required interest payments in full and on time.
- Evzio sales have been much stronger than projected so far. This is secondary source of repayment to PDL.
- kaléo has publicly announced that Auvi-Q will return to the market in 1H17.
- kaléo is in discussions with major prescription benefit managers (PBMs) regarding pricing.



# Update - ARIAD

Wellstat Diag.

**Avinger** 

Depomed

**Direct Flow** 

Lensar

Paradigm Spine

kaléo

Viscogliosi Bros.

U. of Michigan

CareView

#### ARIAD

AcelRx

Kybella

#### Background

- Biotech company with Iclusig, an approved product in US and EU for chronic myelogenous leukemia (blood borne cancer), and brigatinib, an unapproved product for certain types of non-small cell lung cancer, particularly in patients with brain metastases.
- \$100 million royalty deal with potential of another \$40 million in July 2017 at Ariad's option.
- Royalties on Iclusig are the primary source of repayment with brigatinib as back up.

#### Update

- Iclusig sales are increasing in US and Incyte, which bought ex-US rights, is increasing sales in those territories that had been underperforming.
- Ariad was granted priority review for its approval application for brigatinib which suggests an approval in 2Q17.
- Ariad may seek a deal for ex-US rights for brigatinib (similar to Incyte deal) given that it no longer has an ex-US presence which could decrease the likelihood that they draw \$40 million from PDL in 2017.

# PDL

# **Financials**



# Third Quarter 2016 Financials

(In thousands, except per share amounts) (unaudited)		nths Ended nber 30, 2015	Nine Mont Septem 2016	
Royalties from Queen et al. patents	\$ 14.958	\$ 119,222	\$ 150,645	\$ 363,916
Royalty rights - change in fair value	16.085	(4.280)	(11,872)	19,298
Interest revenue	8,594	9,096	24,901	28,596
Product revenue, net	14,128		14,128	-
License and other	(127)	580	7	580
Total revenues	53,638	124,618	177,809	412,390
Amortization of intangible assets	6,014	-	6,014	_
General and administrative expenses	10,396	8,450	27,193	23,545
Sales and marketing	11		11	_
Research and development	1,933		1,933	
Change in fair value of anniversary payment and	-	-		io.
contingent consideration	2,083		2,083	-
Acquisition-related costs	546	-	3,505	-
Total operating expenses	20,983	8,450	40,739	23,545
Operating income	32,655	116,168	137,070	388,845
Interest and other income, net	162	87	404	294
Interest expense	(4,513)	(5,901)	(13,524)	(21,710
Income before income taxes	28,304	110,354	123,950	367,429
Income tax expense	14,400	40,895	50,011	135,208
Net income	13,904	69,459	73,939	232,221
Net loss attributable to noncontrolling interests	3	- <u></u>	3	
Net income attributable to PDL's shareholders	\$ 13,907	\$ 69,459	\$ 73,942	\$ 232,221
Net income per share - Basic	\$ 0.08	\$ 0.42	\$ 0.45	\$ 1.42
Net income per share - Diluted	\$ 0.08	\$ 0.42	\$ 0.45	\$ 1.42



# Third Quarter 2016 Financials

Condensed consolidated balance sheet (In thousands)(unaudited)	Sep	otember 30, 2016	De	December 31, 2015		
Cash, cash equivalents and investments	\$	189,575 (	1) \$	220,352		
Total notes receivable	\$	320,997	\$	364,905		
Total royalty rights - at fair value	\$	399,592	\$	399,204		
Total assets	\$	1,216,066	\$	1,012,205		
Total term loan payable	\$	-	\$	24,966		
Convertible notes payable	\$	234,895	\$	228,862		
Total stockholders's equity	\$	753,856	\$	695,952		

(1) Includes \$75MM certificate of deposit restricted until August 2017.

# PDL Debt



## **□ 2018 4% Convertible Notes**

- \$126 million due in February 2018.
- Current conversion price per share is \$9.17.

## **□ 2021 2.75% Convertible Notes**

- \$150 million due in December 2021.
- Current conversion price is \$3.81.
- Capped call transaction to offset potential dilution subject to a cap of \$4.88.
- Used approximately \$121.5 million of proceeds to repurchase and retire \$120 million of 2018 4% Notes plus accrued interest.



# Conclusion



# **Investment Highlights**

- Tekturna and Tekturna HCT are important products for treatment of hypertension with differentiated mechanism of action and potential upside in revenues if promoted appropriately.
- □ Noden is a tax efficient vehicle and platform for additional spec pharma products.
- ☐ 16 royalty and debt deals with 11 on-going and 5 completed.
- □ Team with demonstrated ability to identify assets and conclude transactions on reasonable terms that will support efforts to add products to Noden.