

SAFE HARBOR PROVISION



This presentation contains forward-looking statements that are based on management's current expectations, but actual results may differ materially due to various factors. The company's results may be affected by factors including, but not limited to, the risks and uncertainties in pharmaceutical research and development; competitive developments; regulatory actions; litigation and investigations; business development transactions; economic conditions; changes in laws and regulations, including health care reform; and uncertainties and risks related to timing and potential value to both Elanco and Lilly of the planned separation of the Elanco animal health business, including business, industry, and market risks, as well as risks involving realizing the anticipated tax-free nature of the separation.

For additional information about the factors that affect the company's business, please see the company's latest Forms 10-K and 10-Q filed with the Securities and Exchange Commission.

The company undertakes no duty to update forward-looking statements.



Agenda

R&D Overview & Strategy

Oncology Verzenio[®] & Pegilodecakin

Pain

Emgality™, Lasmiditan & Tanezumab

Neurodegeneration N3pG, Tau Antibody & D1PAM

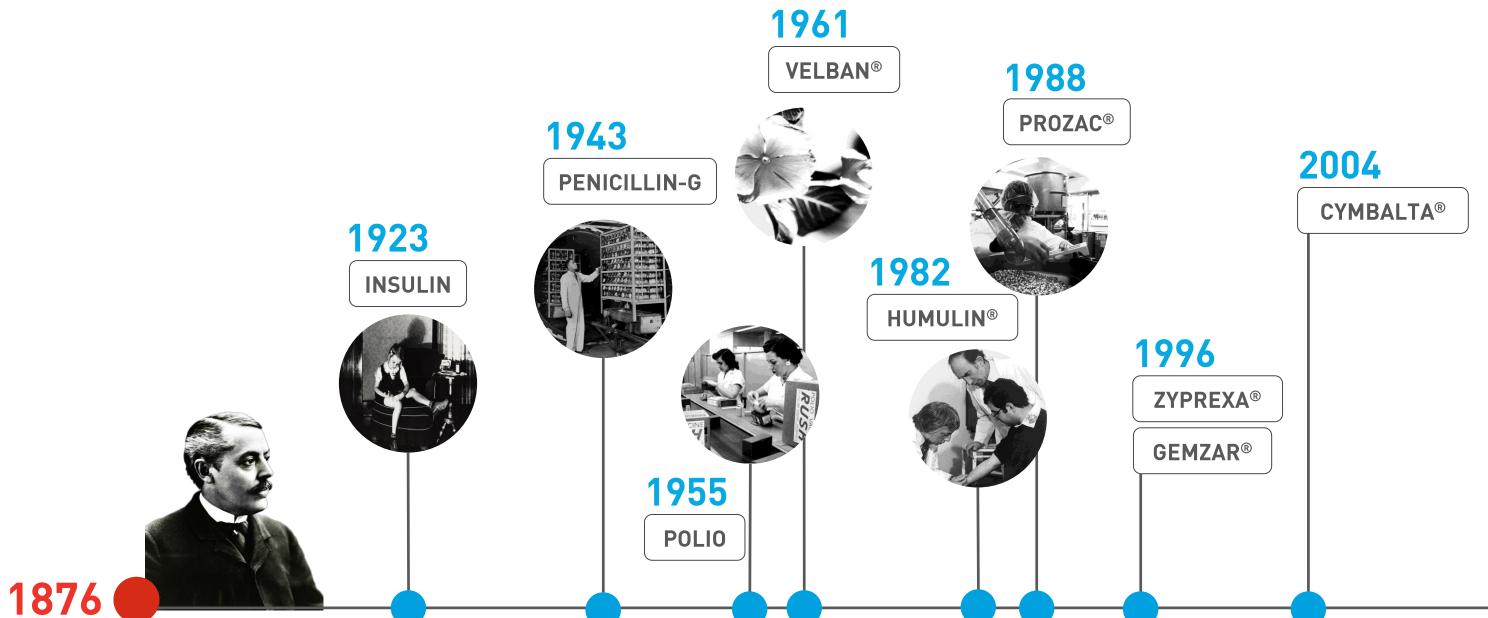
Immunology Olumiant® & Mirikizumab

Diabetes

Insulins & Connected Care, Trulicity® & Tirzepatide

A HERITAGE OF DISCOVERY





KEY FOCUS AREAS



What we said in 2016 R&D update:

What we've accomplished:





Working to Improve Development Speed Development speed is now a competitive advantage for Lilly



Improving Phase 3 success rate with quality strategy

 We successfully raised the bar on Phase 3 entries, resulting in higher success rates



Potential for record productivity (could launch 20 medicines in 10 years)

- 10 new medicines launched in 5 years, 8 with blockbuster sales / potential
- Two new medicines in regulatory review
- Good visibility to continued launches

Lilly has delivered an industry leading late stage development engine

Now we are focused on transformation of our drug discovery engine



Speed from target identification to human proof-of-concept studies



Novel target identification

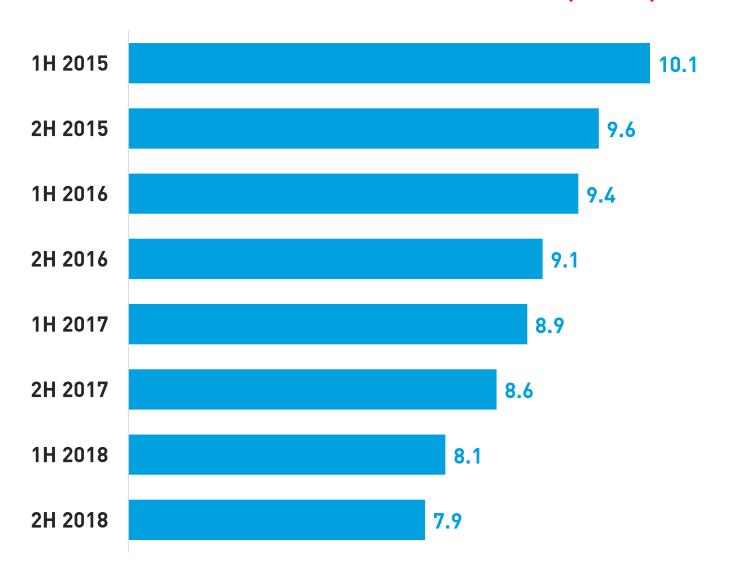


Access to novel modalities

FASTER DEVELOPMENT TIMELINES



First Human Dose to Launch (Years)



Tirzepatide

First human dose to Phase 3 start in 31 months

Emgality,

Narrowed launch gap vs. leading competitor from 15 to 4 months

Ultra Rapid Lispro First human dose to submission projected at < 4 years

IMPROVED PHASE 3 SUCCESS RATES



2014-present (78%)

2007 - 2013





Teplizumab Semagacestat

Dirucotide

Arzoxifene

Edivoxetine

Enzastaurin





*Pending Submissions

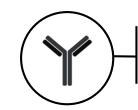
Dramatic improvement in Phase 3 success rates due to emphasis on:



Target Validation



Patient Population



Molecule Optimization



Robust Phase 2 Data



Phase 3 Design

Terminations

Approvals and

Submissions

ON PACE TO LAUNCH 20 NEW MEDICINES IN 10 YEARS Lile,



10 Global Launches in 5 Years 2014 2015 2016 2017 2018 taltž Verzenio **Emgality** trulicity basaglar^{*} Portrazza Lartruvo* Jardiance[®] CYRAMZA

Potential Launches

2019	2020	2021	2022-2023
Nasal Glucagon (submitted)	Tanezumab (NGF1 mAb)	Mirikizumab (IL-23 mAb)	Tirzepatide (GIP/GLP1 Dual Agonist)
Lasmiditan (submitted)	Ultra Rapid Lispro	Pegilodecakin (Pegylated IL- 10)	 D1-PAM IL-33 mAb TIM-3 Abs and
Connected Pen		Automated Insulin Delivery System	CombinationsAurA Kinase Inhibitor

LILLY R&D PRODUCTIVITY IS FAVORABLE VS. PEERS





Average Annual R&D Pipeline Investment (\$B) 2013-1H 2018

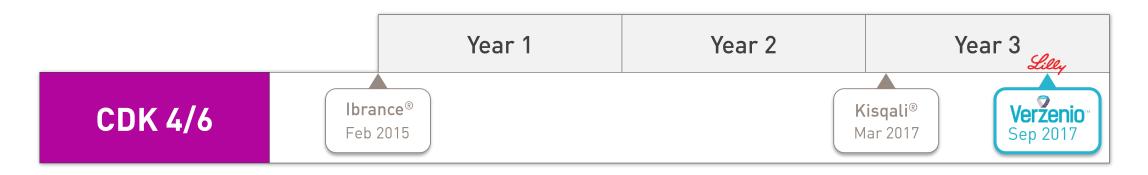
ENABLING MORE FIRST-IN-CLASS MEDICINES



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Previously
slow to translate
discoveries from
labs to patients



We will move faster
to proof-of-concept
studies with future
novel mechanisms



INCREASING SPEED AND NOVELTY



SPEED



3 year goal from target identification to clinical testing



Technology investments including automation and IT



Biotech-like operating model with reduced emphasis on committees

NOVELTY



External innovation focus on early-stage molecules and technologies



Efficient proof-of-concept studies testing for large effect size



Conviction to blaze new trails

EXTERNAL INNOVATION



ENABLING NOVEL MEDICINES

Lilly will continue to invest in its established R&D platforms, including insulins and incretins, to deliver best-in-class innovation

To enable first-in-class medicines with large effect sizes, we are increasing our access to novel targets, modalities, and discovery tools

External Innovation is a key element of our first-in-class strategy















Novel **Modalities**







Tools











Medicines



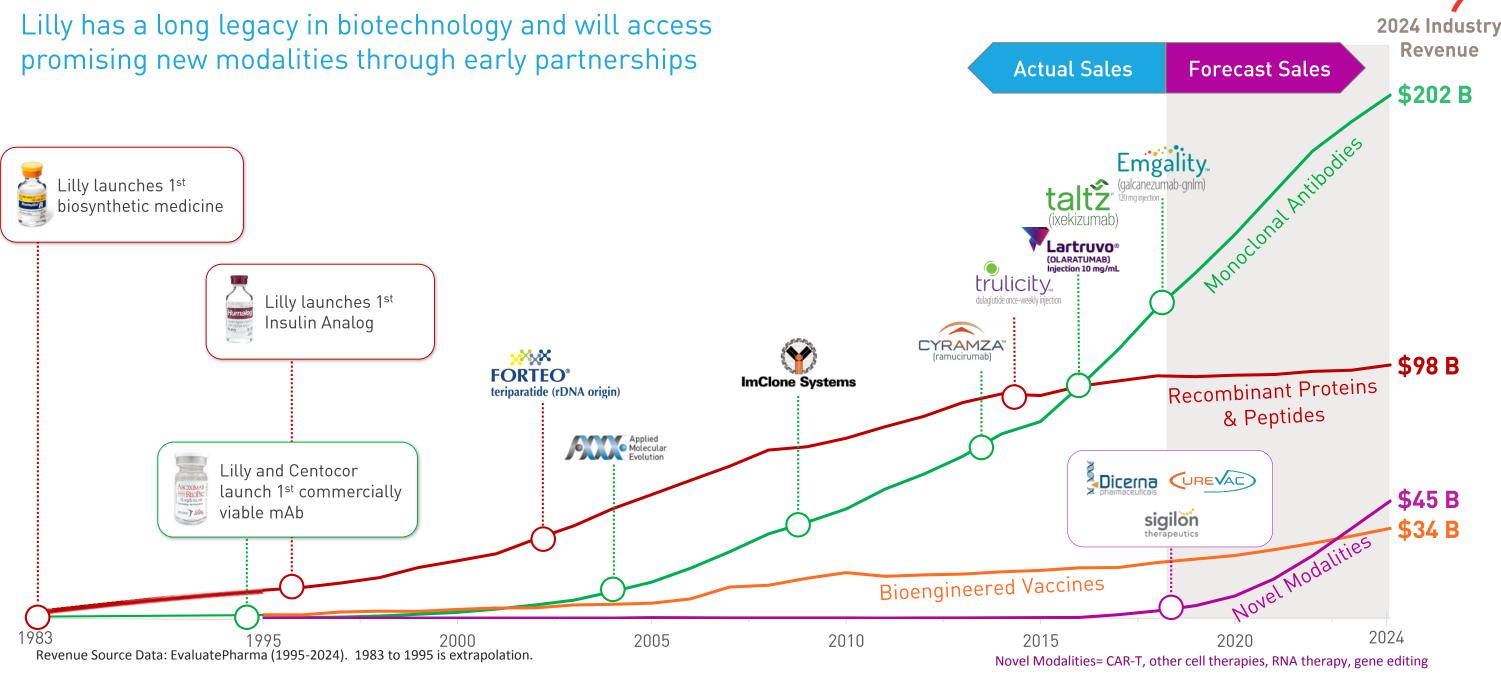


AurkaPharmainc.

Aurora A Kinase Inhibitor



ACCESSING NOVEL MODALITIES



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Novel target Identification



Access to novel modalities

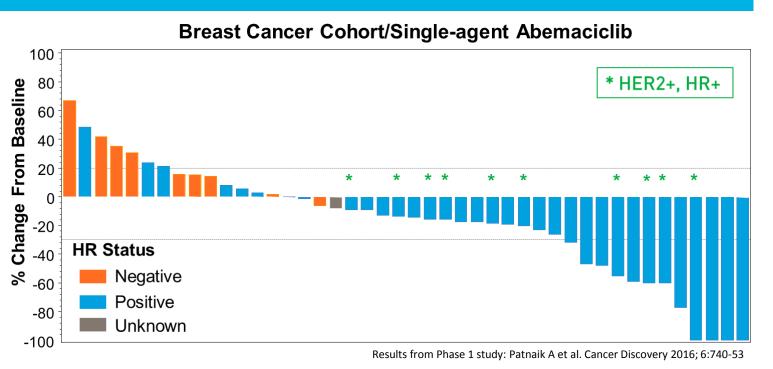


VERZENIO FUTURE GROWTH CATALYSTS



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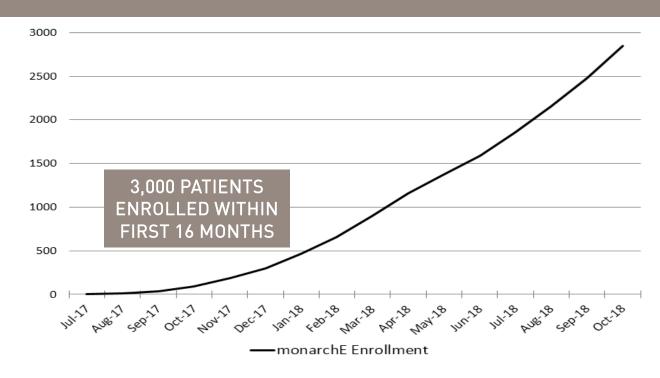
HER2+



May expand potential metastatic breast cancer patient population for Verzenio (~15%-20% of MBC market)

Phase 2 trial readout in early 2019

ADJUVANT



MonarchE could significantly expand Verzenio's eligible patient population in a much longer treatment setting

Phase 3 trial readout in 2021

MONARCH-2 Overall Survival (OS) Readout Expected in 2020

PEGILODECAKIN MOLECULE OVERVIEW



PEGILODECAKIN

BIOLOGIC RATIONALE

Increases (neo)antigen-activated, intra-tumoral CD8+ T cells

Achieves tumor-specific T cell expansion by a distinct mechanism form immune checkpoint blockade

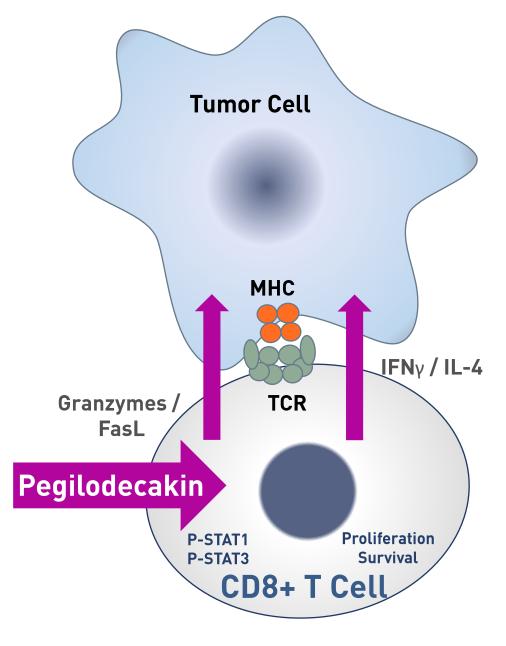
Reduces inflammatory cytokine responses

OPPORTUNITY

Strong biological rationale for "foundational" potential

First-in-class positioning

Potential for impact across multiple cancer types



PEGILODECAKIN DEVELOPMENT PROGRAM



ONGOING CLINICAL PROGRAM

CYPRESS 1: 1L NSCLC Phase 2

- o Combo with pembrolizumab, >50% PDL1
- o Topline results late 2019

CYPRESS 2: 2L NSCLC Phase 2

- Combo with nivolumab, IO Naive, <50% PDL1
- o Topline results late 2019

SEQUOIA: 2L Pancreatic Cancer Phase 3

- Combo with FOLFOX
- o Topline results mid-2020

FUTURE OPPORTUNITIES

Non-Small Cell Lung Cancer (NSCLC)

- Positive data would trigger additional lung cancer trials
- 1L in multiple PD-L1 selection settings
- 2L IO refractory

Renal Cell Carcinoma (RCC)

- Monotherapy activity in Phase 1
- o Plan to start Phase 2 in 2019

Pancreatic Cancer

o Positive 2L data would trigger move into 1L

Additional tumor types

 Biomarker-guided exploratory studies in other tumor types under consideration

ONCOLOGY PORTFOLIO UPCOMING EARLY-STAGE READOUTS



TIM-3 ANTIBODY

BIOLOGIC RATIONALE

Immune checkpoint receptor often expressed in exhausted T-cell populations

May enhance the antitumor activity of exhausted CD8+ T-cells

OPPORTUNITY

Monotherapy and in combo with PD-L1
A novel bispecific antibody now in Phase 1

DEVELOPMENT

Phase 1 readouts expected in 2019 Identifying biomarkers is a key focus

AURORA A KINASE INHIBITOR

BIOLOGIC RATIONALE

Key roles in cell division by controlling chromosomal segregation

Tumors with Rb1 loss, MYC amplification and/or AurA overexpression may have heightened sensitivity

OPPORTUNITY

Selectivity which could be leveraged to reduce toxicity

First-in-class potential

DEVELOPMENT

Phase 1 readout expected in 2019

PREXASERTIB

BIOLOGIC RATIONALE

CHK1 inhibition has shown efficacy in tumors with DNA repair defects or replicative stress

Active in BRCA wild-type high-grade ovarian cancer

OPPORTUNITY

Potential biomarker-driven opportunities in ovarian cancer and other indications

First-in-class potential

DEVELOPMENT

Phase 2 read out expected in 2019



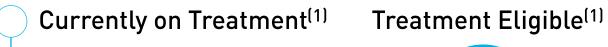


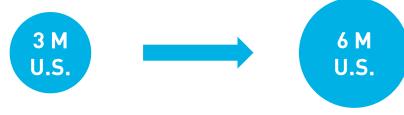
EMGALITY AND LASMIDITAN

FOCUSED ON SOLUTIONS FOR BOTH ACUTE AND PREVENTIVE MIGRAINE



PREVENTIVE TREATMENT





Emgality: Compelling opportunity to address high unmet need

Episodic Cluster Headache

- First therapy to show benefit in debilitating disease
- Patient population of nearly 400K in U.S. ⁽³⁾
- Granted breakthrough therapy designation
- Submitted to FDA in Q4 2018

ACUTE TREATMENT



Unmet need for alternative options as 35-40% of those treating are not receiving an adequate response²

Lasmiditan: would be first new mechanism approved for acute treatment of migraine in over 20 years

⁽¹⁾ Source: American Migraine Prevalence and Prevention Study

⁽²⁾ Lombard et al. A Real-World Analysis of Unmet Needs in Migraine for Responders vs Non-Responders to Acute Treatment. AHS 2018

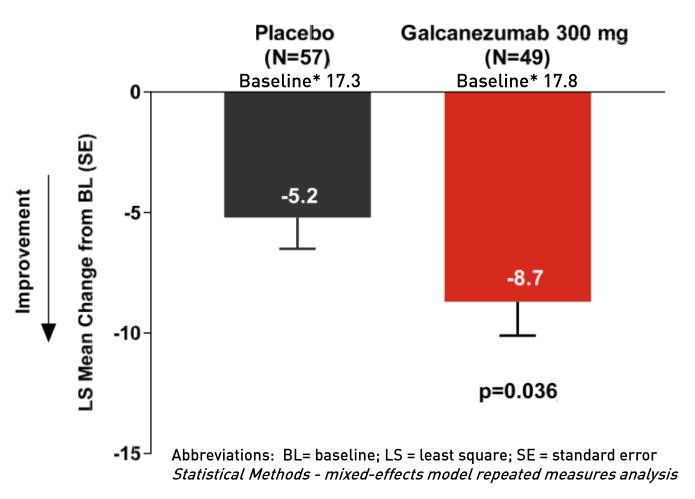
⁽³⁾ Fischera M., Marziniak M., Gralow I., et al. The incidence and prevalence of cluster headache: a meta-analysis of population-based studies. Cephalalgia 2008; 28:614–18

EMGALITYEPISODIC CLUSTER HEADACHE



EFFICACY

Mean Change from Baseline in Weekly Cluster Headache Attack Frequency across Weeks 1-3



ADVERSE EVENTS

Oata wa wa?	n (%)			
Category ^a Preferred Term	Placebo (N=57)	Galcanezumab 300mg (N=49)		
Deaths	0	0		
Serious adverse events	0	0		
Discontinuation due to adverse events	1 (2)	2 (4)		
Vertigo	0	1 (2)		
Cluster headache	1 (2)	0		
Asthma	0	1 (2)		
TEAE	19 (33)	21 (43)		
Common TEAEs				
Injection site pain	0	4 (8)*		
Nasopharyngitis	1 (2)	3 (6)		
Injection site swelling	0	2 (4)		
Pyrexia	1 (2)	2 (4)		

Abbreviations: N = number of patients in the safety population; n = number of participants within each specific category. *Participant may be counted in more than one category. *p<.05 vs. placebo

No clinically meaningful differences between treatment groups for laboratory values, vital signs and ECG parameters. No TE-ADA positive participants.

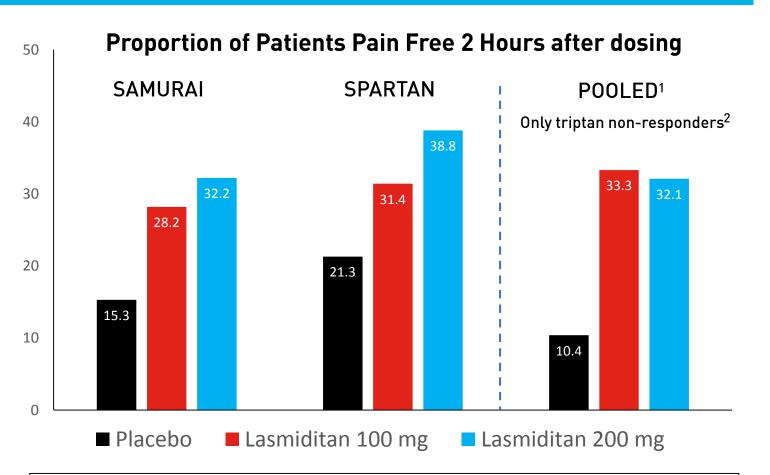
*Number of weekly cluster headache attacks in the baseline period, mean \pm SD: Placebo 17.3 \pm 10.1; Galcanezumab 17.8 \pm 10.1 Not for promotional use

LASMIDITAN EFFICACY IN DATIENTS

EFFICACY IN PATIENTS WITH PRIOR TRIPTAN THERAPY



PAIN FREEDOM AT 2 HOURS



Data from SAMURAI and SPARTAN pooled together for this subgroup analysis
 Those patients identified as having triptan use within the past three months prior to SAMURAI or SPARTAN study initiation, who rated themselves as a non-responder to prior triptan treatments when asked by a physician.

ADVERSE EVENTS

	SAMURAI			SPARTAN		
TEAEs	PB0 (n=617)	L 100 mg (n=630)	L 200 mg (n=609)	PBP (n=645)	L 100 mg (n=635)	L 200 mg (n=649)
>1 TEAEs	16.0%	36.3%	42.2%	11.6%	36.1%	39.0%
Dizziness	3.4%	12.5%	16.3%	2.5%	18.1%	18.0%
Paresthesia	2.1%	5.7%	7.9%	0.9%	5.8%	6.6%
Somnolence	2.3%	5.7%	5.4%	2.0%	4.6%	6.5%
Fatigue	0.3%	4.1%	3.1%	0.9%	4.1%	4.8%
Nausea	1.9%	3.0%	5.3%	1.2%	3.3%	2.6%
Lethargy	0.3%	1.9%	2.5%	0.2%	1.3%	2.2%

TANEZUMAB OCTEOARTURITIC DAI

OSTEOARTHRITIS PAIN, CHRONIC LOWER BACK PAIN AND CANCER PAIN



UNMET NEED

Osteoarthritis (OA) Pain

- Progressive disease that results in debilitation and ongoing pain
- o ~27 million people suffer from OA Pain in the U.S.^[1]

Chronic Lower Back Pain (CLBP)

- Leading cause of disability in the U.S.
- o ~33 million people suffer from CLBP in the U.S.^[2]
- Physicians and patients consistently report low satisfaction with current pain treatments
- Patients in the tanezumab OA and CLBP studies typically have had pain for several years and have experienced inadequate pain relief or intolerance to at least 3 different classes of analgesics

PHASE 3 READOUTS

2017 2018 2017 2020	2017	2018	2019	2020
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Study 1056: OA Dose Titration

▼ Data presented at American College of Rheumatology (ACR) 2018

Study 1057: OA 24 Week Efficacy and Safety

Topline expected 1H 2019

Study 1058: OA Long-Term Efficacy & Safety

Topline expected 1H 2019

Study 1059: CLBP

Topline expected 1H 2019

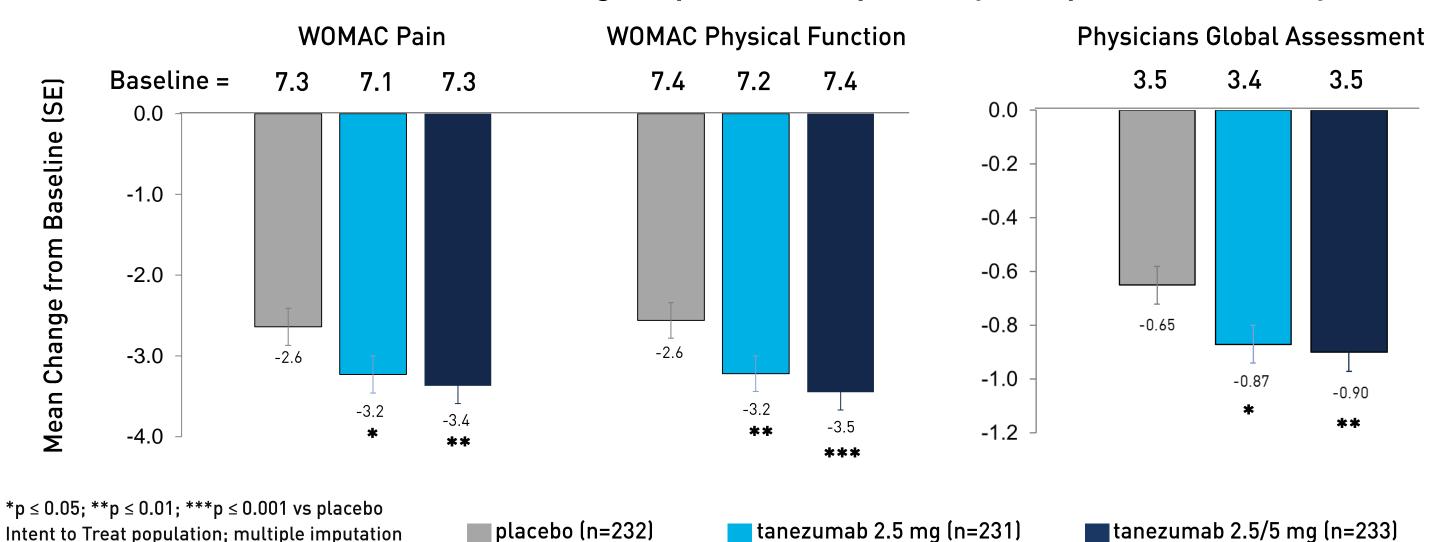
⁽¹⁾ OA Research Society International, Arthritis Foundation, International Association for the Study of Pain, ACR Lawrence RC et all 2008, Veteran Affairs Department of Defense, Ma et al etc.

⁽²⁾ Decision Resources

TANEZUMAB STUDY 1056: CO-PRIMARY EFFICACY ENDPOINTS



Both tanezumab treatment groups met co-primary endpoints for study



WOMAC = Western Ontario & McMaster Universities Osteoarthritis Index

TANEZUMAB

STUDY 1056: JOINT SAFETY EVENTS AND TOTAL JOINT REPLACEMENTS



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SUMMARY OF ADJUDICATED JOINT SAFETY EVENTS

Number (%) of patients	placebo n = 232	tanezumab 2.5 mg n = 231	tanezumab 2.5/5 mg n = 233
Adjudicated joint safety events	5 (2.2)	14 (6.1)	18 (7.7)
Normal progression of OA	5 (2.2)	8 (3.5)	17 (7.3)
Rapidly progressive OA type 1	0	3 (1.3)	1 (0.4)
Rapidly progressive OA type 2	0	2 (0.9)	0
Primary osteonecrosis	0	0	0
Other (pre-existing SIF)	0	1 (0.4)	0

SIF = subchondral insufficiency fracture

- Both RPOA-2 events occurred in index joints that were K-L Grade 4 at screening
- All RPOA-1 events occurred in joints with K-L Grade 2-3 OA at screening and 3/4 occurred in index joint
- One patient each with RPOA-1 and RPOA-2 events had a TJR in that joint

SUMMARY OF TOTAL JOINT REPLACEMENTS

Number (%) of patients	placebo n = 232	tanezumab 2.5 mg n = 231	tanezumab 2.5/5 mg n = 233
Total joint replacements	4 (1.7)	8 (3.5)	16 (6.9)
Knee	4	3	9 ^a
Hip	0	5	7

In the patients who had TJRs:

- All joints with surgeries were K-L Grade 3 of 4 at screening
- Surgeries were primarily in study index joint (26 / 28 patients; 93%)
- Events were adjudicated as normal OA progression (26 / 28 patients; 93%)
- Surgeries were elective (21 / 28 patients; 75%)
- Occurred after completion of the treatment period (19 / 28 patients; 68%)

The cause of the treatment imbalance in this study is not known, but it is inconsistent with prior tanezumab studies

^aOne patient had 2 total knee replacements, both of which were K-L 4 at baseline and adjudicated as normal progression of OA

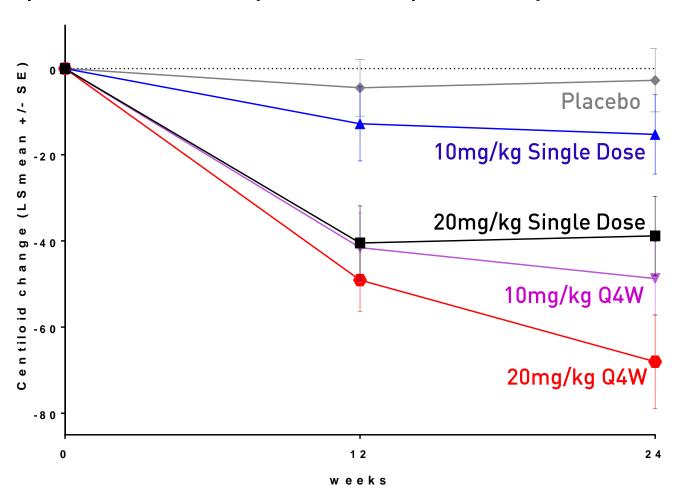


N3PG Aβ ANTIBODY DISEASE MODIFICATIONS FOR ALZHEIMER'S



PHASE 1 DATA

Rapid Clearance of Amyloid after N3pG Antibody Treatment



PHASE 2 DESIGN

Target Population

- Early symptomatic Alzheimer's Disease
- Amyloid positive
- Low-medium tau burden

Enrollment

- Randomized, placebo-controlled
- Double arm trial, 133 patients/arm
- Complete enrollment targeted for Q1 2019

Primary endpoint is integrated Alzheimer's Disease Rating Scale (iADRS) at 18 months

Expected to readout in 2020

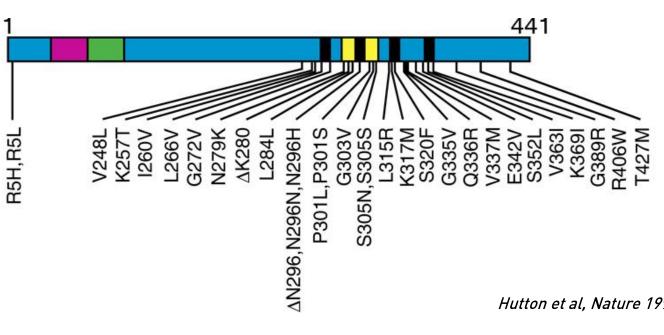
TAU PATHOLOGY AS A THERAPEUTIC TARGET

HUMAN GENETIC, NEUROPATHOLOGICAL AND IMAGING EVIDENCE

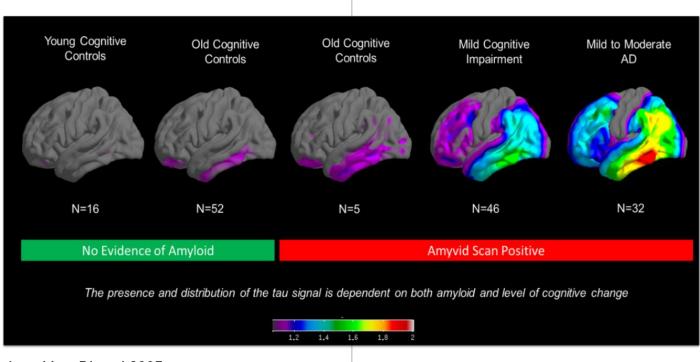


MUTATIONS IN MAPT CAUSE NEURODEGENERATION

(Frontotemporal Dementia linked to Chr17)



TAU PATHOLOGY CORRELATES WITH AD CLINICAL PROGRESSION



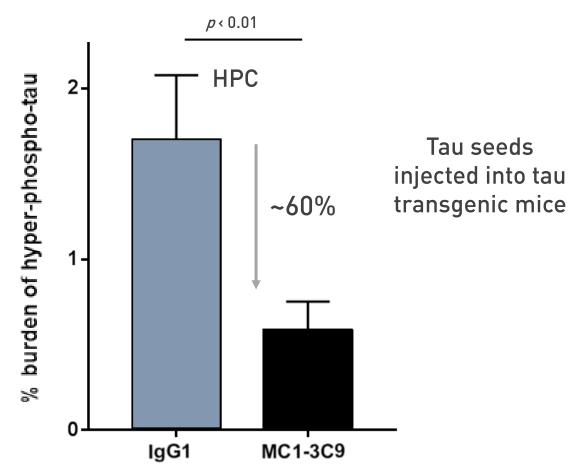
Hutton et al, Nature 1998; Goedert, Mov. Disord 2005

ANTI-TAU ANTIBODY DISEASE MODIFICATION FOR ALZHEIMER'S



PRE-CLINICAL DATA

Tau Spread Model: Reduction of Tau Pathology



MC1-3C9 is a mouse tau antibody surrogate; HPC = hippocampus

PHASE 2 DESIGN

Target Population

- Early symptomatic Alzheimer's Disease
- Low-medium tau burden

Enrollment

- Randomized, placebo-controlled
- o 285 patients, 95/arm
- Studying low and high dose

Primary endpoint is integrated Alzheimer's Disease Rating Scale (iADRS) at 18 months

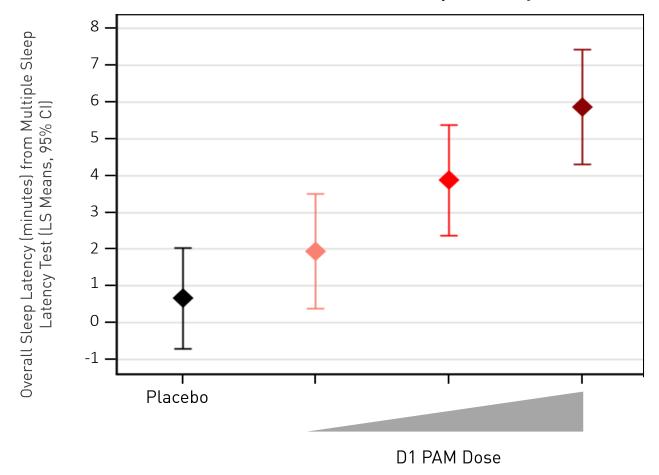
Expected to readout in 2021

D1 POSITIVE ALLOSTERIC MODULATOR (PAM) POTENTIAL FIRST-IN-CLASS SYMPTOMATIC TREATMENT FOR DEMENTIAS



PHASE 1 DATA

D1 PAM increases sleep latency



PHASE 2 DESIGN

Target Population

Mild-to-moderate Parkinson's disease dementia

Enrollment

- Randomized, placebo-controlled trial
- Studying low, mid and high dose
- o 340 patients, 85 patients/arm
- Primary endpoint is change from baseline in Continuity of Attention (CoA) Composite Score of the Cognitive Drug Research Computerized Cognition Battery at 12 weeks (2 week follow-up period)
- Expected to readout in 2019

Evidence of target engagement and central pharmacology



OLUMIANT DEVELOPMENT PROGRAM SUMMARY



NHA STEEL	Rheumatoid Arthritis	•	Launched in EU & Japan in 2017 Launched in U.S. in May 2018 (2 mg only)
	Alopecia Areata	•	Phase 2/3 adaptive program initiated Q3 2018 Top line data expected 2020
	Atopic Dermatitis	•	Ongoing Phase 3 program Top line data starting 1H 2019
	Systemic Lupus Erythematosus (SLE)	•	Ongoing Phase 3 program Top line data expected 2021





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SIGNIFICANT UNMET NEED

Unmet need

- Most common inflammatory skin disease in adults and children
- U.S. population affected by atopic dermatitis estimated to be 18 million (>2x psoriasis)

Lack of new therapies

 Increased patient and physician awareness as new agent launched in 2017

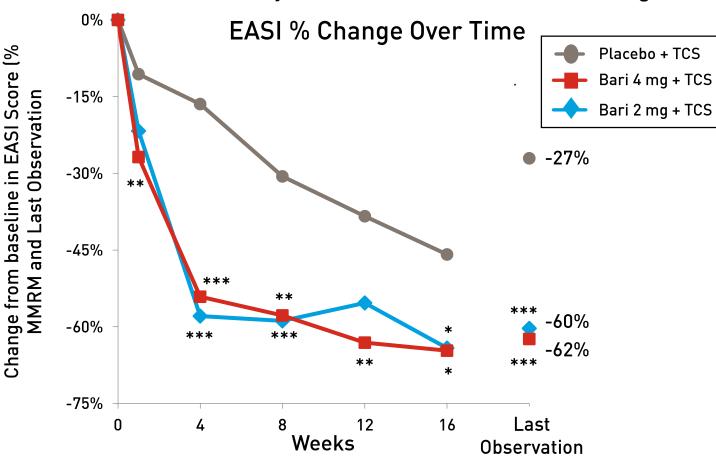
U.S. market growth for new systemic therapies

- Atopic dermatitis market projected to grow to \$8+ billion by 2027
- Potential to be first-in-class treatment and first oral treatment available
- Top line data expected 1H 2019

Source: LLY Estimates combined w/ external sources (IQVIA, Evaluate Pharma, etc.)

PHASE 2 DATA

Robust Phase 2 efficacy with rapid reduction in itch and disease activity with convenience of oral dosing



Weeks 0-16 analyzed with MMRM; last observation is Week 16 ANCOVA; <u>p-value vs placebo</u>: *p<0.05, **p<0.01, ***p<0.001 ANCOVA=analysis of covariance; EASI=Eczema Area and Severity Index; mMRM=mixed-effects model of repeated measures

OLUMIANTSYSTEMIC LUPUS ERYTHEMATOSUS (SLE)



SIGNIFICANT UNMET NEED

Unmet need

- Chronic, multi-organ autoimmune disease that can cause widespread tissue and organ damage
- U.S. population affected by SLE estimated to be 450-670K

Lack of new therapies

Significant unmet need and lack of innovation

U.S. market growth for new systemic therapies

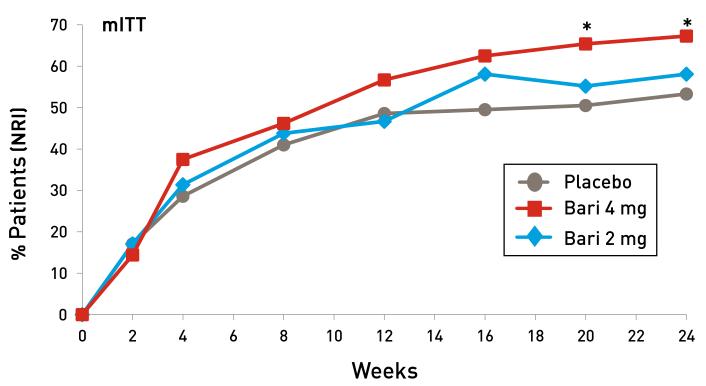
- SLE market projected to grow to nearly \$4 billion by 2027
- Potential to be first-in-class treatment and first oral treatment available
 - Top line data expected 2021
 - Fast Track designation granted by FDA

Source: LLY Estimates combined w/ external sources (IQVIA, Evaluate Pharma, etc.)

PHASE 2 DATA

Promising Phase 2 efficacy with convenience of oral dosing

Remission of Arthritis and/or Rash over time (SLEDAI-2K)



p-value vs. PBO: *p<u><</u>0.05

mITT=modified intention to treat population; NRI=nonresponder imputation; SLEDAI-2K=Systemic Lupus Erythematosus Disease Activity Index 2000;





ATOPIC DERMATITIS PHASE 2

Characteristics, n (%)	Placebo plus TCS N = 49	Baricitinib 2 mg plus TCS N = 37	Baricitinib 4 mg plus TCS N = 38
At least 1 TEAE	24 (49)	17 (46)	27 (71)
At least 1 treatment-emergent SAE	0	0	1 (3)
TEAE resulting in death during treatment & follow-up period	0	0	0
TEAE leading to treatment discontinuation	5 (10)	1 (3)	5 (13)
TEAEs in >5% patients per treatment group			
Headache	0	2 (5)	5 (13)
Blood creatine phosphokinase increased	0	1 (3)	5 (13)
Nasopharyngitis	1 (2)	1 (3)	3 (8)
Dermatitis atopic	4 (8)	1 (3)	0
Cellulitis	3 (6)	1 (3)	0
Lymphopenia	3 (6)	0	0

TCS=topical corticosteroids; TEAE=treatment-emergent adverse event; SAE = serious adverse event

LUPUS PHASE 2

Weeks 0-24ª	Placebo (N=105)	Baricitinib 2-mg (N=105)	Baricitinib 4-mg (N=104)
SAEs	5 (4.8)	11 (10.5)	10 (9.6)
TEAEs	68 (64.8)	75 (71.4)	76 (73.1)
Mild	36 (34.3)	35 (33.3)	38 (36.5)
Moderate	29 (27.6)	35 (33.3)	31 (29.8)
Severe	3 (2.9)	5 (4.8)	7 (6.7)
Infections	41 (39.0)	47 (44.8)	47 (45.2)
Serious infections	1 (1.0)	2 (1.9)	6 (5.8)
Herpes Zoster	1 (1.0)	0	1 (1.0)
Tuberculosis	0_{p}	0	0
Malignancy	0	0	0
DVT	0	0	1 (1.0) ^c
MACEd	0	0	0
Discontinuation due to AE	4 (3.8)	10 (9.5)	11 (10.6)
Treatment interruption due to AE	11 (10.5)	7 (6.7)	21 (20.2)
Death	0	0	0

Data are n (%). AE=adverse event; DVT=deep vein thrombosis; MACE=major adverse cardiovascular event; SAE=serious adverse event; TB=tuberculosis; TEAE=treatment-emergent adverse event. alncludes up to 30 days post-treatment. Done patient with latent TB (based on a positive QuantiFERON-TB Gold test result after randomization). Patient had pre-existing antiphospholipid antibodies. Non-adjudicated.

MIRIKIZUMAB DEVELOPMENT PROGRAM SUMMARY





- Initiated Phase 3 program in 2018
 Top line data expected 2020





- Ongoing Phase 2 program
- Crohn's Disease ------ Top line Phase 2 data expected 1H 2019
 - Potential Phase 3 initiation 2019

MIRIKIZUMAB PSORIASIS



IL-23 IN DERMATOLOGY

Unmet need

- Different mechanisms provide patients with flexibility and options
- Lilly has both an IL-17 and IL-23p 19

Sustained efficacy

 Mirikizumab could allow patients to get more clearance and maintain clear skin in a stable way over time

U.S. market growth for new systemic therapies

- U.S. population affected by Psoriasis estimated at more than 7 million
- Psoriasis market projected to grow to over \$16 billion by 2027

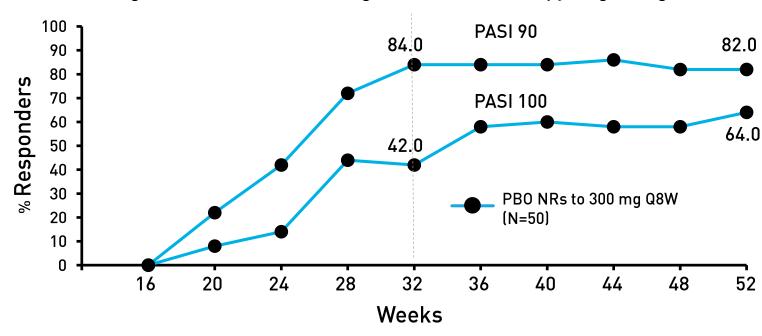
Top line data expected 2020

Source: LLY Estimates combined w/ external sources (IQVIA, Evaluate Pharma, etc.)

PHASE 2 DATA

Robust Phase 2 efficacy with significant portion of patients achieving PASI 100

PASI 90 and PASI 100 Response Rates (NRI) Among Patients Initially Assigned PBO Then Receiving Continuous Therapy Beginning Week 16



PASI=Psoriasis Area and Severity Index; PB0=Placebo; NRI=Nonresponder Imputation; Q8W=Every 8 Weeks.

MIRIKIZUMAB PSORIASIS PHASE 2 SAFETY DATA

MOST COMMON TEAEs (>5% IN TOTAL 300MG SC Q8W) THROUGH WEEK 52



Adverse Event	Placebo to Miri 300 mg Q8W (N=50) n (%)	Miri 30 mg Q8W to 300 mg Q8W (N=34) n (%)	Miri 100 mg Q8W to 300 mg Q8W (N=21) n (%)	Miri 300 mg Q8W to 300 mg Q8W (N=15) n (%)	Total Miri 300 mg Q8W (N=120) n (%)
Nasopharyngitis	9 (18.0)	8 (23.5)	4 (19.0)	4 (26.7)	25 (20.8)
Upper respiratory tract infection	7 (14.0)	2 (5.9)	2 (9.5)	1 (6.7)	12 (10.0)
Arthralgia	2 (4.0)	2 (5.9)	3 (14.3)	1 (6.7)	8 (6.7)
Injection site pain	3 (6.0)	2 (5.9)	2 (9.5)	0	7 (5.8)
Urinary tract infection	2 (4.0)	1 (2.9)	1 (4.8)	2 (13.3)	6 (5.0)
Back pain	0	3 (8.8)	3 (14.3)	0	6 (5.0)
Headache	3 (6.0)	2 (5.9)	1 (4.8)	0	6 (5.0)
Hypertension	3 (6.0)	2 (5.9)	0	1 (6.7)	6 (5.0)

[•] Four (3.3%) patients experienced SAEs and 6 (5.0%) patients discontinued the study due to AEs in this group of patients during Wks 16-52

[•] TEAEs= treatment emergent adverse events; SC= subcutaneous; Q8W= every 8 weeks; AEs= Adverse events; SAEs= Serious adverse events

[•] Papp, K.. et al. Poster presented at the 27th European Academy of Dermatology and Venereology Congress, Sept. 12-16, 2018; Paris.

MIRIKIZUMAB ULCERATIVE COLITIS (UC)



HIGH UNMET NEED

Unmet need

- More effective relief
- Greater maintenance and stability of efficacy over time
- Well tolerated options
- Avoidance of surgery and need for colostomy bags

U.S. market growth for new systemic therapies

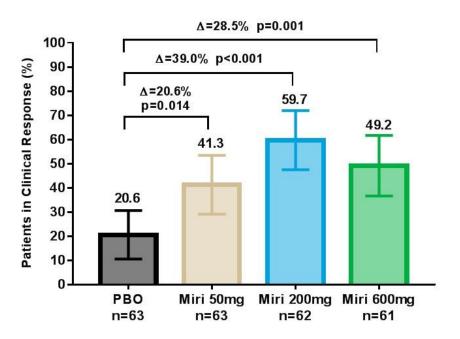
- Increasing incidence of UC globally
- o ~700k affected by UC in the U.S.
- Market projected to be over \$6 billion by 2027

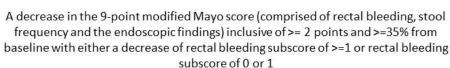
Potential First-in-Class; topline data expected 2021

Strong Phase 2 efficacy in 12 week induction phase with high level of response

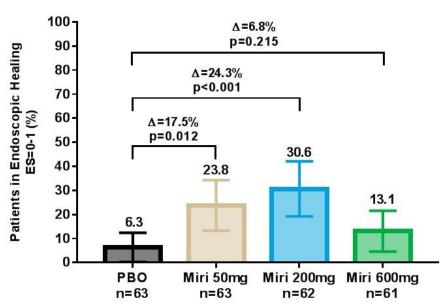
PHASE 2 INDUCTION DATA

Clinical Response





Endoscopic Healing



Mayo modified endoscopic subscore of 0 or 1

- Non-responder Imputation: all patients who discontinued from the study at any time prior to week 12 for any reason or failed to have an adequate week 12 efficacy assessment were considered non-responders at week 12.
- The miri 50mg and miri200mg groups incorporated exposure-based dosing yielding in average induction doses of 100mg and 250mg respectively.

MIRIKIZUMAB ULCERATIVE COLITIS PHASE 2 SAFETY DATA



	Placebo IV Q4W (n=63)	Miri IV Q4W 50 mg (n=63)	Miri IV Q4W 200 mg (n=62)	Miri IV Q4W 600 mg (n=60)
TEAEs, n (%)	32 (50.8)	36 (57.1)	32 (51.6)	32 (53.3)
Serious adverse event, n (%)	2 (3.2)	0 (0)	2 (3.2)	3 (5.0)
Discontinuations due to adverse event, n (%)	3 (4.8)	0 (0)	1 (1.6)	2 (3.3)
Most common TEAEs (≥5% in any dose group)*				
Nasopharyngitis	6 (9.5)	5 (7.9)	3 (4.8)	5 (8.3)
Worsening of ulcerative colitis	6 (9.5)	2 (3.2)	2 (3.2)	2 (3.3)
Anemia	3 (4.8)	4 (6.3)	2 (3.2)	2 (3.3)
Headache	3 (4.8)	3 (4.8)	1 (1.6)	4 (6.7)
Nausea	4 (6.3)	2 (3.2)	2 (3.2)	3 (5.0)
Cough	4 (6.3)	0	0	2 (3.3)
Gastroenteritis	1 (1.6)	0	2 (3.2)	3 (5.0)

^{*}presented as most to least frequent among all treatment groups combined





HIGH UNMET NEED

Unmet need for:

- More effective relief
- Greater maintenance and consistency of efficacy
- Well tolerated options
- Avoidance of surgery and need for colostomy bags
- U.S. market growth for new systemic therapies
- U.S. population affected by Crohn's disease estimated to be ~700k
- Crohn's disease market projected to grow to over \$12 billion by 2027

Source: LLY Estimates combined w/ external sources (IQVIA, Evaluate Pharma, etc.)

PHASE 3 EFFICACY HURDLE

Seeking Remarkable, Durable Efficacy

Phase 3 Decision

- High bar for moving to Phase 3
- Similar to UC, looking for efficacy above competition, approved or Phase 3 data

Key Measures of Efficacy

- Symptomatic Remission at week 12 (Stool Frequency + Abdominal Pain)
- Endoscopic Response at week 12
- Phase 2 readout expected in 2019



INSULINS: MOLECULE INNOVATION



NEW MEALTIME INSULINS

Improved control with comparable or lower risk of hypoglycemia

 Post-prandial glucose, time in range, and potentially A1c

Dosing and administration allow better fit into life

Ultra-Rapid Lispro (URLi)

- o Positive Phase 3 readouts in 2018
- Continued development in pediatrics/pump in 2019
- Submission planned for 2019

NEW BASAL INSULINS

Improved patient experience leading to improved outcomes

Basal Insulin-Fc

- Convenience and simplicity of once weekly dosing
- Initiated Phase 2 in Q4 2018

Basal Insulin Acylated

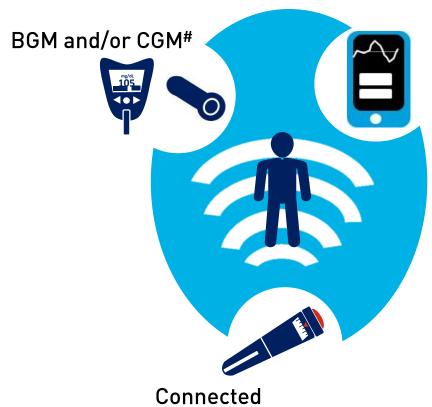
- Best-in-class insulin analog for once daily dosing
- Improved PK/PD profile with reduced hypoglycemia profile
- Initiated Phase 1 in Q4 2018

INSULINS: DELIVERY & DEVICE INNOVATION



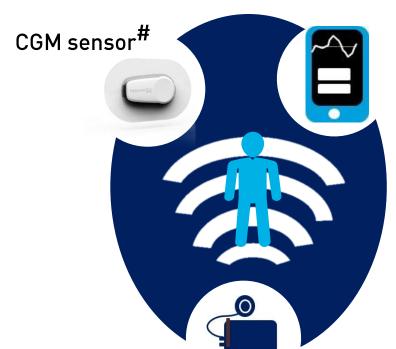
CONNECTED PENS

CONNECTED PUMPS



insulin pen

Smartphone
Application with
dosing support
solutions



Pump controller or smartphone application

Insulin pump with integrated algorithm*

Connected Care portfolio expected to launch in stages over 3 years starting in 2019

BGM = blood glucose monitor CGM = continuous glucose monitor

^{*}Exclusive partnership with DEKA #Non-exclusive partnership with Dexcom

TRULICITY AND CV OUTCOME TRIAL RESULT



REWIND TRIAL KEY ASPECTS

- Majority of participants did not have established cardiovascular (CV) disease
- Mean baseline A1C of 7.3%
- Median follow-up period of 5.4 years
- 9901 participants with Type 2 Diabetes
- Randomized, double-blinded, placebocontrolled study of Trulicity conducted at 370 sites in 24 countries

REWIND TOP-LINE RESULTS

Trulicity significantly reduced MACE-3

First T2D medicine to demonstrate MACE-3 reduction in a trial with a majority who did not have established CV disease

Safety profile generally consistent with the GLP-1 RA class

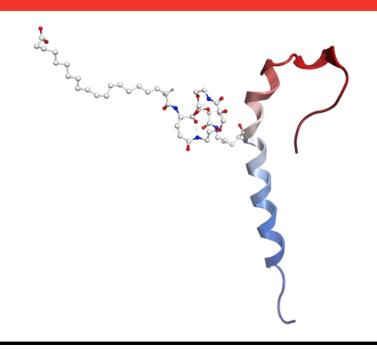
Full results to be disclosed at ADA 2019 Regulatory submissions in 1H 2019

Trulicity demonstrates superiority in reduction of CV events for broad range of people with type 2 diabetes

REWIND defined established CV disease as including at least one of the following conditions: myocardial infarction (MI), ischemic stroke, unstable angina, revascularization, hospitalization for ischemia related events and/or documented myocardial ischemia.

TIRZEPATIDE DUAL GIP/GLP-1 RECEPTOR AGONIST





Next generation once-weekly dual incretin designed to strengthen Lilly's leadership in the first injectable space.

Innovation prioritized for speed with goal of 7 years from first human dose to approval

What We Aim to Do:



Exceed expectations for glycemic control and weight reduction



Replicate Trulicity's injection experience



Launch first with multi-year lead in new class of GIP and GLP-1 receptor dual agonists



Deliver meaningful CV benefit

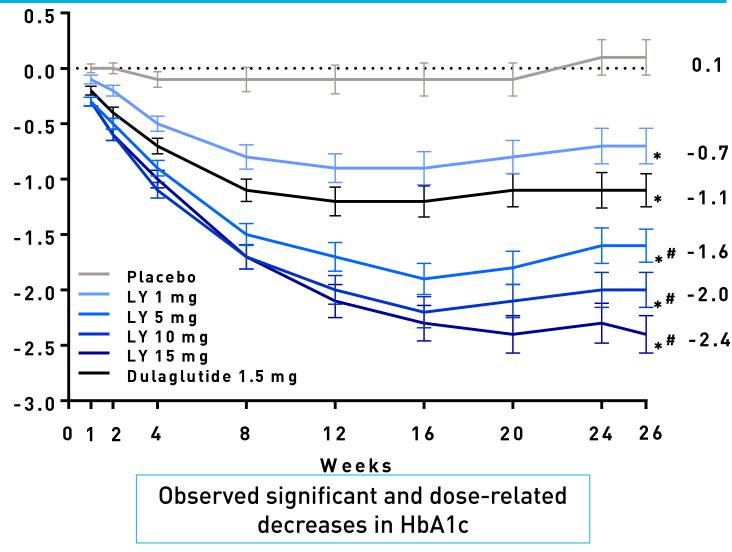


T2DM Phase 3 start 2018 Obesity Phase 3 start 2019 NASH Phase 2 start 2019

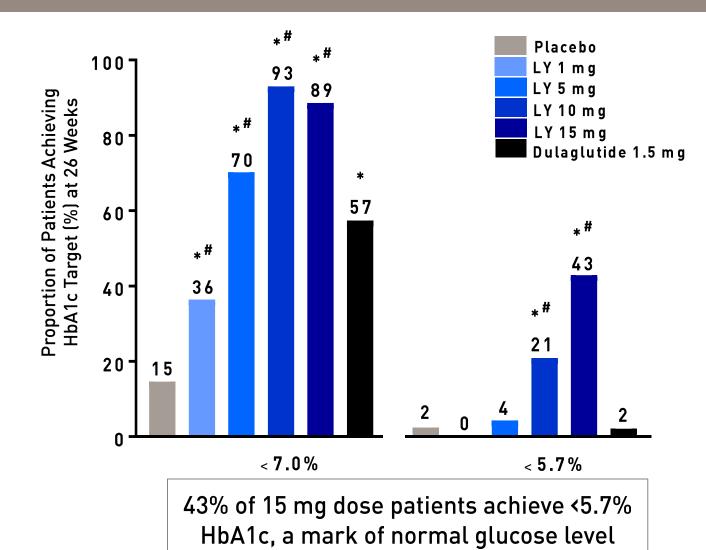
ACHIEVED POSITIVE RESULTS IN HBA1C REDUCTIONS (ON TREATMENT ANALYSIS)







HbA1C (%) TARGET



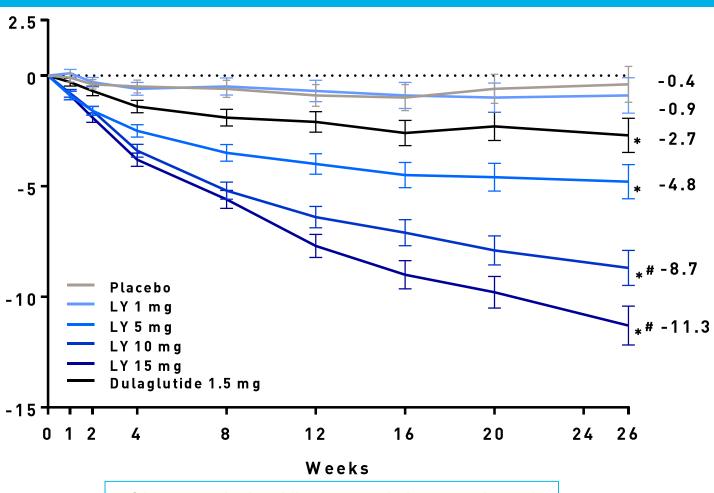
HbA1c (%) target data are logistic regression, on treatment analysis *, #p<.05 vs placebo and vs. dulaqlutide 1.5 mg, respectively

HbA1c (%) data presented are LS mean ± SE. MMRM on treatment analysis
Trial Description: 26 week randomized trial; 1mg, 5mg, 10mg: 2 week titration, 15mg: 6 week titration, dulaglutide 1.5mg
Baseline Characteristics: Mean age 57, weight 91.5 kg, BMI 32.6, A1c 8.1%, 90% on metformin
Not for promotional use

ACHIEVED POSITIVE RESULTS IN WEIGHT LOSS (ON TREATMENT ANALYSIS)

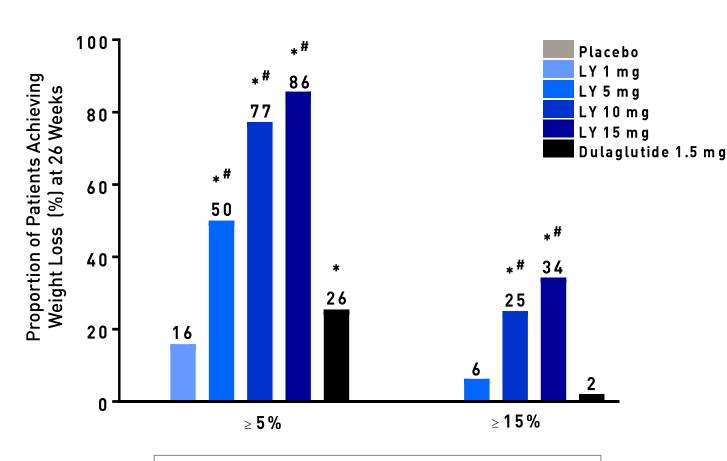


WEIGHT LOSS (KG)



Observed significant and dose-related decreases in body weight (kg)

WEIGHT LOSS (%) TARGET



34% of 15 mg dose patients achieve ≥15% body weight reduction

HbA1c (%) target data are logistic regression, on treatment analysis *, #p<.05 vs placebo and vs. dulaglutide 1.5 mg, respectively

Data presented are LS mean ± SE. MMRM on treatment analysis.

Trial Description: 26 week randomized trial; 1mg, 5mg, 10mg: 2 week titration, 15mg: 6 week titration, dulaglutide 1.5mg

Baseline Characteristics: Mean age 57, weight 91.5 kg, BMI 32.6, A1c 8.1%, 90% on metformin

Not for promotional use

SAFETY AND TOLERABILITY



SAFETY & TOLERABILITY

	LY 5mg	LY 10mg	LY 15mg	Dula 1.5mg
Adverse Events (AE) (%)	72.7	78.4	84.9	74.1
Serious AEs (%)	1.8	5.9	3.8	5.6
Discontinued Treatment due to AE (%)	9.1	5.9	24.5	11.1
Nausea (%)	20.0	21.6	39.6	29.6
Diarrhea (%)	23.6	23.5	32.1	16.7
Vomiting (%)	7.3	15.7	26.4	9.3
Hypoglycemia* (%)	7.3 / 1.8	9.8 / 5.9	7.5 / 5.7	3.7 / 3.7
Pancreatitis (n)	2	0	0	0
Cholecystitis (n)	0	1	0	1

^{*} Hypoglycemia (≤70 mg/dL) reported as total / documented symptomatic. There were no reports of severe hypoglycemia.

SUMMARY

Most common AEs were gastrointestinal (nausea, vomiting, diarrhea); majority were mild to moderate and transient.

Treatment discontinuations in the higher dose groups primarily occurred during the titration phase.

A separate study^a evaluated slower, step-wise titration, enabling Phase 3 design. Discontinuation due to AE was <5% (including 15mg) over the 12 week study period.

Treatment-emergent ADA in LY3298176-treated patients (titers generally low, no PK/PD correlation).

Heart rate and blood pressure effects comparable to dulaglutide.

Frias JP et al. *The Lancet*. 2018.

^a study identifier NCT03311724

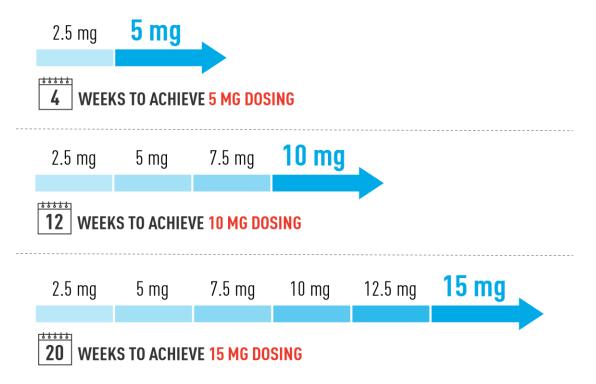
TIRZEPATIDE PHASE 3 DOSING



Goal: Deliver a Trulicity-like patient experience with single-dose pen at launch

Step through doses (2.5mg increments) allows gradual introduction and improved tolerability profile

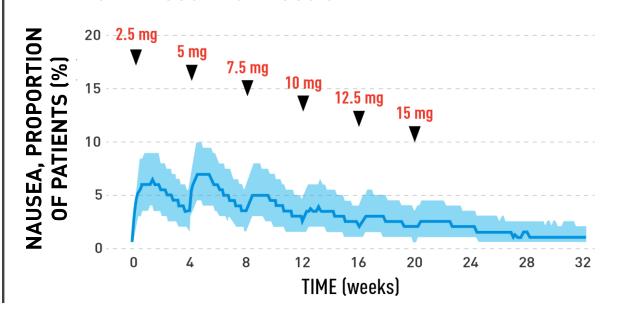
Informed by Phase 2 studies and exposure modeling





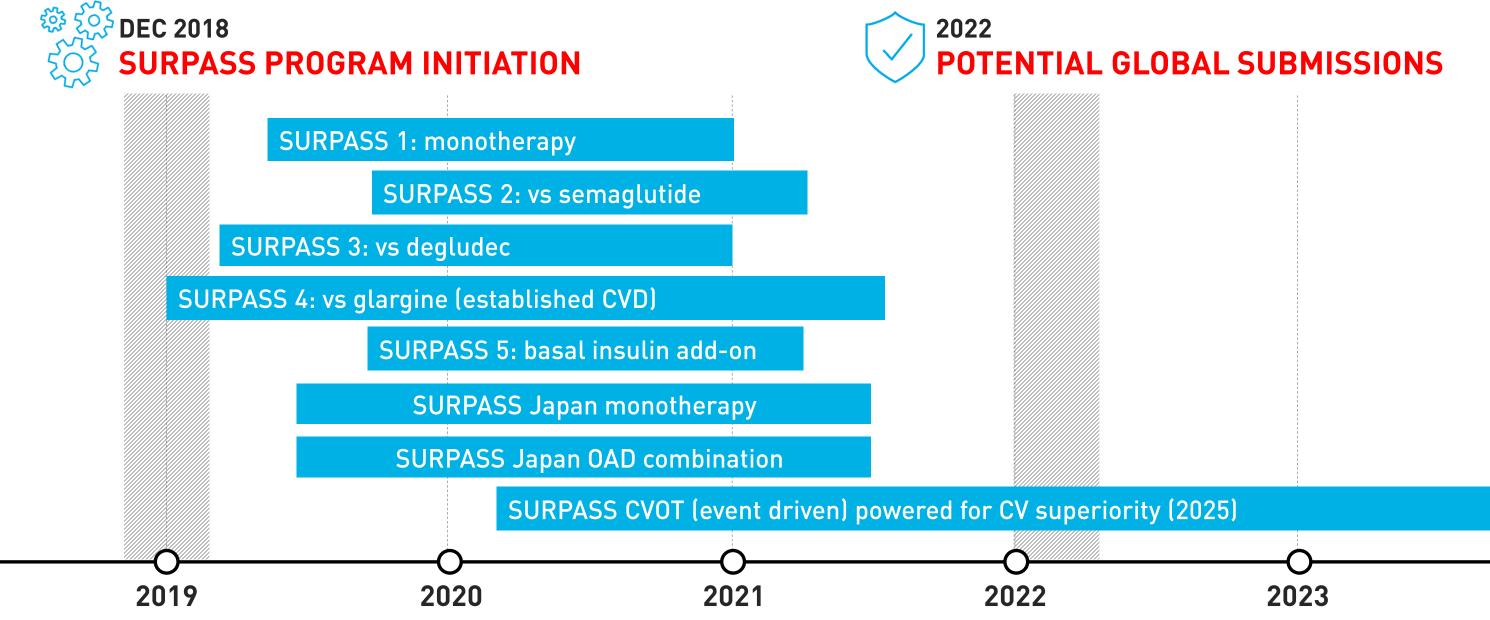
Simulation of Dose Escalation

Model predicts incidence of nausea with slow, step-wise titration
Supports improved tolerability profile from Phase 2 to Phase 3



TYPE 2 DIABETES CLINICAL PROGRAM





TIRZEPATIDE

INITIATING RESEARCH IN ADDITIONAL INDICATIONS



2019

Obesity Phase 3 Initiation

- Weight loss in obese/overweight patients
- Weight loss in obese/overweight T2DM patients
- Maximizing weight loss
- Maintenance of weight loss

Obesity is increasing in prevalence and is associated with significant co-morbidities and cardiovascular complications (Type 2 Diabetes, Cardiovascular Disease)

2019

Nonalcoholic Steatohepatitis Phase 2 Initiation

NASH biopsy study

NASH is increasing in prevalence and associated with risk of cirrhosis, liver transplantation, and cardiovascular complications



We have transformed our **development engine** and are rebooting our **discovery engine**

Summary



Neuroscience is the next wave of growth joining recent launches in Diabetes, Oncology and Immunology

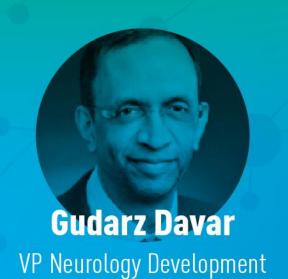


With 2 submissions and 3 Phase 3 starts in 2018, we are continuing our unprecedented period of productivity, building towards delivering 20 launches in 10 years



















THANK YOU, PHIL JOHNSON!



Summary



Diverse and durable revenue growth

Expect minimum annual pharma revenue growth of 7% from 2015 to 2020; newest products expected to yield >45% of global pharma revenue in 2019.



Strong commercial launch capabilities

Lilly is successfully launching into fast-growing therapeutic areas, even against larger companies that often launched earlier.



Replenishing our pipeline

Lilly moved three assets into Phase 3 in 2018, all with potential to improve the standard of care; more coming.



Transforming R&D

Lilly's development times often lead the industry. We intend a similar transformation of early-stage R&D.



Elley -