

Forward Looking Statement

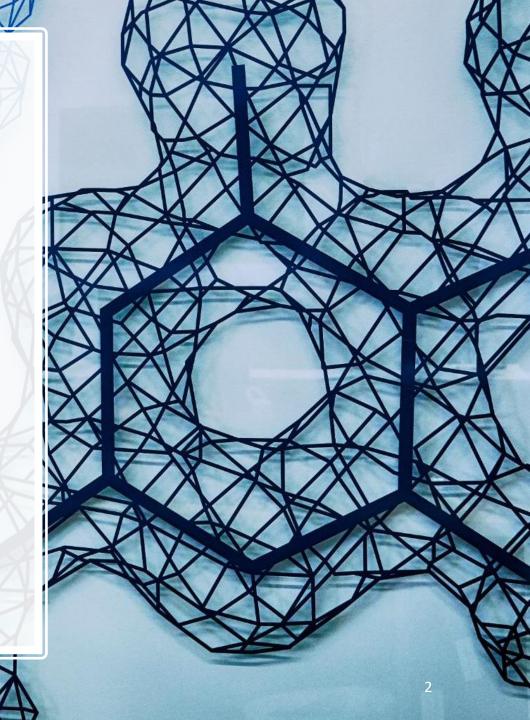
This presentation may contain certain forward-looking information as defined under applicable Canadian securities legislation, that are not based on historical fact, including without limitation statements containing the words "believes", "anticipates", "plans", "intends", "will", "should", "expects", "continue", "estimate", "forecasts" and other similar expressions. In particular, this presentation may include forward looking information relating to the Phase 3 BETonMACE clinical trial, potential trials including vascular cognitive dementia and chronic kidney disease clinical trials, and the potential role of apabetalone in the treatment of high-risk cardiovascular disease, diabetes mellitus, chronic kidney disease, end-stage renal disease, treated with homodialysis, pourredogenerative disease, paripheral artery disease, and other disease treated with hemodialysis, neurodegenerative disease, peripheral artery disease and other orphan diseases. Our actual results, events or developments could be materially different from those expressed or implied by these forward-looking statements. We can give no assurance that any of the events or expectations will occur or be realized. By their nature, forward-looking statements are subject to numerous assumptions and risk factors including those discussed in our Annual Information Form and most recent MD&A which are incorporated herein by reference and are available through SEDAR at www.sedar.com. The forward-looking statements contained in this news release are expressly qualified by this cautionary statement and are made as of the date hereof. The Company disclaims any intention and has no obligation or responsibility, except as required by law, to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

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Executive Summary

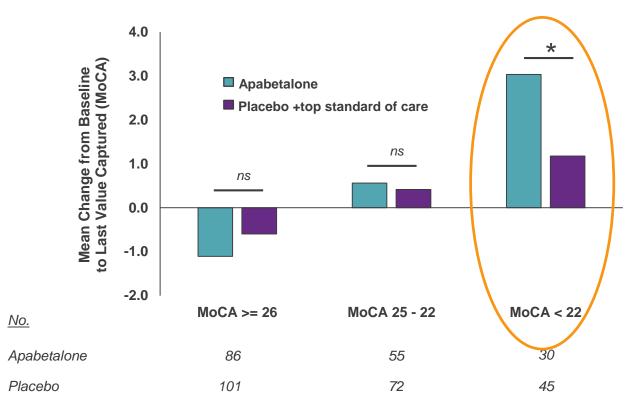


- Cognition assessment by Montreal Cognitive Assessment (MoCA) was a prespecified exploratory endpoint in BETonMACE (patients 70 yrs or older)
 - BETonMACE inclusion criteria was type 2 diabetes patients with a recent acute coronary syndrome (ACS) and low HDL cholesterol on top standard of care therapies
 - Diabetes increases the risk of developing dementia (2x)*
 - Coronary heart disease and heart failure are associated with a 27% to 60% increased risk of cognitive decline, cognitive impairment, or dementia*
 - There are currently NO treatment strategies for addressing vascular cognitive dementia
- Apabetalone treatment illustrated statistically significant improvements versus placebo (+ top standard of care) in patients with a baseline MoCA <22:
 - 158% relative improvement in cognitive function in treated group compared to top standard of care placebo (comparing the mean change from baseline of the treated vs. untreated groups)
 - Significant and trending changes across treatment duration in ALP and HDL (biomarkers associated with cognitive risk) were observed in patients with a baseline MoCA<22

^{*} Sources: Saedi, E. et al. 2016; Baumgart, M. et al. 2015; Umegaki, H. 2014; Munshi, MN. et al. 2017; Zilliox, LA. et al. 2016; Ravona-Springer, R. and Schnaider-Beeri, M. 2011; Wolters, FJ. et al. 2018; Deckers, K. et al. 2017; Zheng, L. et al. 2012; Newman, AB. Et al. 2005; Otta, A. et al. 1999

BETonMACE Cognition Findings - MoCA



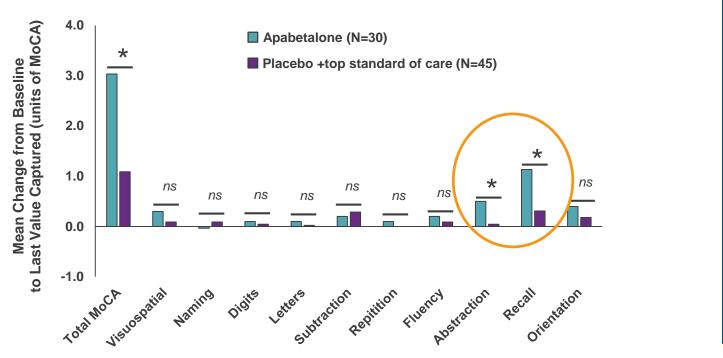


treatment p-value calculated using two-sided t-test; * p=0.02

- Apabetalone treatment illustrates a statistically significant (*p=0.02) improvement versus placebo in MoCA in patients with a baseline MoCA below 22
 - 158% relative improvement in cognitive function over top standard of care placebo
 - Study duration was the same between treatment groups

MoCA Domains in Patients with Baseline MoCA <22





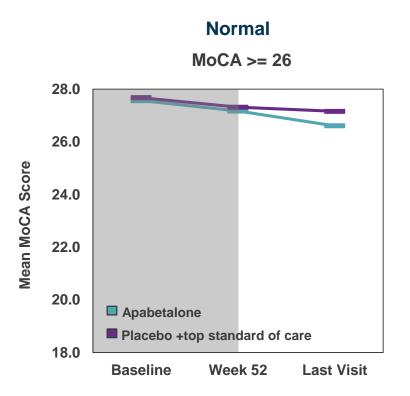
treatment p-value calculated using two-sided t-test; * p<0.05

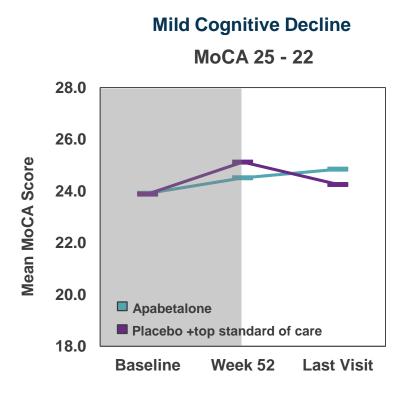
 Analysis of MoCA domains illustrates a statistically significant improvement (*p<0.05) in the abstraction (conceptual thinking) and recall (memory) domains in patients with a baseline MoCA < 22 with apabetalone treatment

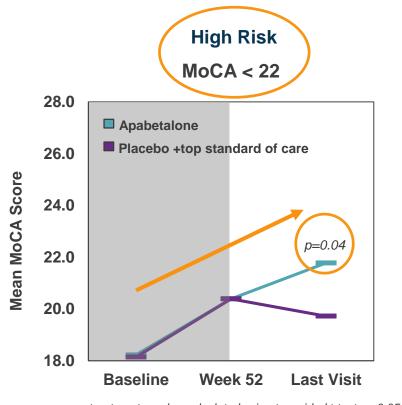
BETonMACE Cognition Findings – Additional Analysis



• Apabetalone treatment illustrates a **trend in the improvement of cognition** when baseline MoCA was lower (MoCA < 22)

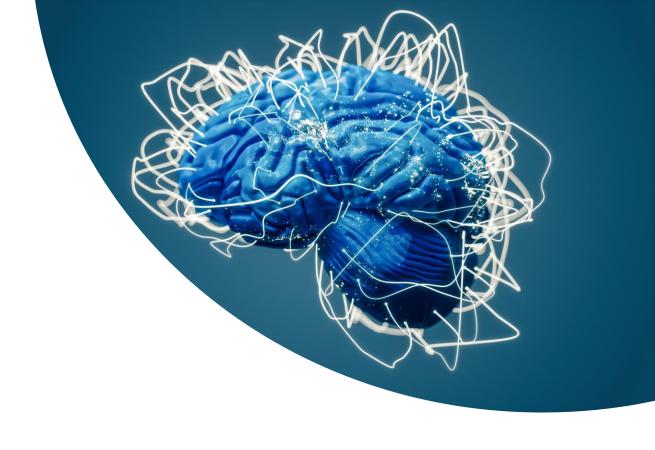






treatment p-value calculated using two-sided t-test; p<0.05





Apabetalone: A New Approach to Neurodegeneration

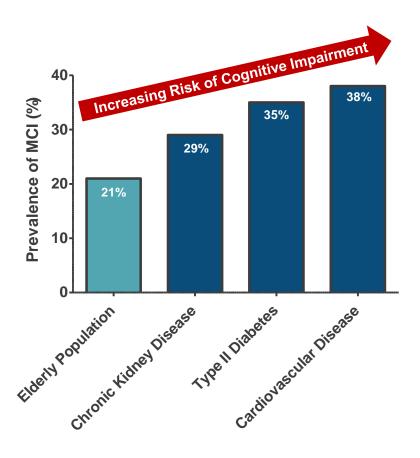
BET Inhibition a Potential New Approach to Neurodegeneration



- Alzheimer's disease and vascular cognitive dementia are one of the largest health burdens worldwide
- There are currently NO treatment strategies for addressing vascular cognitive dementia
- Current landscape of Alzheimer's drugs has not yielded marked improvements on cognition
 - Major focus on amyloid and tau burden
 - Protein based therapies expensive single target approach
- The commercial opportunity and accretive pipeline value for any therapy that improves cognitive function would be highly valuable

Cardiovascular Disease, Diabetes and Dementia





Source: Meta-analysis of global studies assessing the prevalence of MCl in elderly populations with known risk factors for MCl, including T2DM, CVD and CKD

- Traditionally, CVD, Diabetes and Chronic Kidney Disease patients have been neglected in cognitive function trials
- The prevalence of Mild Cognitive Impairment (MCI) increases with an increase in vascular disease risk factors
- Patients in the **BETonMACE** study are therefore at **higher risk for cognitive impairment**
- Neurodegenerative risk in diabetes and CVD is thought to be caused by transcriptional disturbances at the epigenetic level

BETonMACE Cognition Subgroup Method Assessment



- In BETonMACE, cognition assessment by MoCA is a prespecified exploratory endpoint comparing change from baseline between treatment groups
- MoCA was performed in patients 70 years and older at time of randomization and was scheduled to be administrated at randomization, after 52 weeks of treatment and at last visit of the trial
- MoCA was performed in approximately 19% (n= 469) of the total population at baseline and the average treatment duration in BETonMACE was 27 months
- Subgroups of patients with MoCA score ≥26, 25 22 and <22 at baseline were analyzed
- Changes in the individual MoCA domains were also analyzed

Apabetalone as a Therapeutic for Cognitive Dementia



- Apabetalone's mechanism of action potentially improves cognition by impacting numerous peripheral
 pathways that may underlie disease with potential beneficial effects on the neurovascular unit as well as
 peripheral mediators with roles in the brain
 - increases levels of ApoA-I and HDL which are inversely correlated with increased risk of Alzheimer's
 Disease and positively correlated with cognitive function
 - reduces the expression of complement and inflammatory mediators which play key roles in neuroinflammation and may contribute to cognitive decline
 - reduces the expression of alkaline phosphatase in the serum which is increased in Alzheimer's disease patients

Apabetalone Impacts the Pathways that Drive Disease



Apabetalone reduces the expression of multiple components of the **complement** cascade

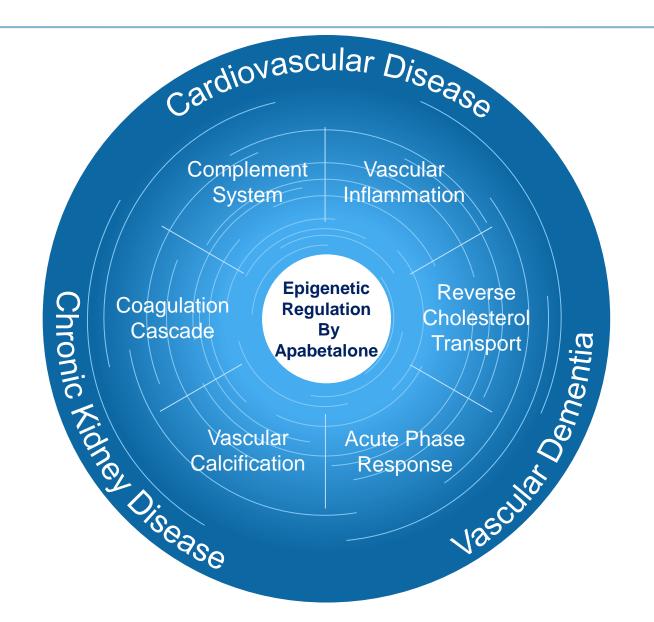
Wasiak et al. 2017

Apabetalone reduces the expression of several factors within the **coagulation system**

Wasiak et al. 2017

Levels of ALP, osteopontin and other drivers of **vascular calcification and fibrosis** are lowered by apabetalone

Gilham et al. 2019



Treatment with apabetalone reduces mediators that drive endothelial activation, monocyte recruitment and plaque destabilization

Tsujikawa et al. 2019

Apabetalone contributes to remodeling of the **HDL proteome and lipidome**, including increased ApoA-1 and HDL particle size

Jahagirdar et al. 2014

Apabetalone reduces markers of **systemic inflammation** including acute phase reactants

Wasiak et al. 2019 (Under Review)

Summary



 BETonMACE: CVD Primary endpoint was narrowly missed with consistent positive trend in key endpoints, including <u>Cognitive Function</u>

Strengthening Opportunities Through Positive Findings & Synergy



Narrow MACE (with CHF) 24% Hazard Reduction (95% CI; 0.60-0.95) p=0.02



Renal Subgroup eGFR < 60 at Baseline 50% Hazard Reduction (95% CI; 0.26-0.96) p=0.03



Apabetalone & SGLT2i (Empagliflozin) 66% Hazard Reduction (95% CI; 0.12-1.01) p=0.05



Cognitive Function
Improved 158% in treated
vs. placebo
(MoCA < 22 subgroup)
p=0.02

Near Term Commercialization Steps



In the near term we will continue our multi-point approach to progressing our corporate commercial value. This approach involves aggressive exploratory development of the following:

- Breakthrough Therapy status filings, both FDA and EMA, over the next 90-120 days
- SGLT2i partnering discussions, one has already been initiated, key patent already filed
- Renal partnering discussions ASAP
- Congestive Heart Failure partnering discussions ASAP, already initiated
- Orphan partnering discussions initially focused on PAH and HIV only at this time. PAH
 enrollment has already commenced. HIV funding being derived from a yet to be named
 US based organization
- MoCA partnering discussion in progress

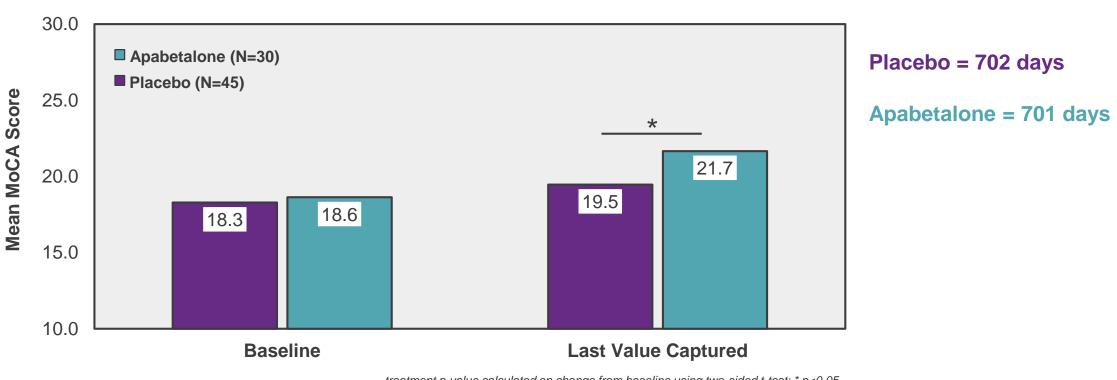


MoCA in Patients with Baseline MoCA <22





Study duration was the same between treatment groups



treatment p-value calculated on change from baseline using two-sided t-test; * p<0.05

Apabetalone treatment illustrates a statistically significant improvement versus placebo in MoCA in patients with a baseline MoCA below 22

BETonMACE Cognition Subgroup – Baseline Demographics



Decelius Characteristic	All Patients	MoCA ≥ 26	MoCA 25 - 22	MoCA < 22	
Baseline Characteristic	N=469	N=224	N=148	N=97	
Age (yr), median (min, max)	73 (69, 88)	73 (70, 88)	73 (69, 85)	74 (70, 86)	
Age ≥ 80 yr, no. (%)	40 (8.5%)	16 (7.1%)	16 (10.8%)	8 (8.2%)	
Male sex, no. (%)	300 (64.0%)	144 (64.3%)	101 (68.2%)	55 (56.7%)	
Race or ethnic group, no. (%)					
Native American	11 (2.3%)	0 (0.0%)	6 (4.1%)	5 (5.2%)	
Asian	9 (1.9%)	4 (1.8%)	1 (0.7%)	4 (4.1%)	
Other	28 (6.0%)	8 (3.6%)	9 (6.1%)	11 (11.3%)	
White	421 (89.8%)	212 (94.6%)	132 (89.2%)	77 (79.4%)	
Region of the world, no. (%)					
Asia -	9 (1.9%)	4 (1.8%)	1 (0.70%)	4 (4.1%)	
Europe	356 (75.9%)	193 (86.2%)	108 (73.0%)	55 (56.7%)	
Latin America	104 (22.2%)	27 (12.0%)	39 (26.4%)	38 (39.2%)	
Body weight (kg), median (IQR)	80.0 (71.0 – 91.0)	81.0 (74.0 – 91.0)	80.0 (70.8 – 92.0)	72.2 (67.0 – 90.0)	
BMI, median (IQR)	28.7 (25.8 – 32.1)	28.7 (26.4 – 32.2)	29.2 (25.6 – 32.3)	27.9 (25.1 – 31.9)	
Statin, no. (%)					
Atorvastatin	233 (49.7%)	111 (49.6%)	76 (51.4%)	46 (47.4%)	
Rosuvastatin	236 (50.3%)	113 (50.4%)	72 (48.6%)	51 (52.6%)	

p<0.05 indicated in bold compared to MoCA≥ 26; chi-square test for categorical variables and Mann-Witney test for continuous variables

BETonMACE Cognition Findings – Baseline Demographics



by treatment group

	MoCA	A ≥ 26	MoCA :	25 - 22	MoCA < 22	
Baseline Characteristic	Placebo (n=119)	Apabetalone (n=105)	Placebo (n=83)	Apabetalone (n=65)	Placebo (n=53)	Apabetalone (n=44)
Age (yr), median (min, max)	73 (70, 88)	73 (69, 82)	73 (70, 85)	73 (69, 82)	75 (70, 86)	73.5 (70, 85)
Age ≥ 80 yr, no. (%)	8 (6.7%)	8 (7.6%)	9 (10.8%)	7 (10.8%)	6 (11.3%)	2 (4.5%)
Male sex, no. (%)	72 (60.5%)	72 (68.6%)	55 (66.3%)	46 (70.8%)	30 (56.6%)	25 (56.8%)
Race or ethnic group, no. (%)						
Native American	0 (0.0%)	0 (0.0%)	5 (6.0%)	1 (1.5%)	3 (5.7%)	2 (4.5%)
Asian	2 (1.7%)	2 (1.9%)	1 (1.2%)	0 (0.0%)	2 (3.8%)	2 (4.5%)
Other	4 (3.4%)	4 (3.8%)	3 (3.6%)	6 (9.2%)	1 (1.9%)	10 (22.7%)
White	113 (95.0%)	99 (94.3%)	74 (89.2%)	58 (89.2%)	47 (88.7%)	30 (68.2%)
Region of the world, no. (%)						
Asia	2 (1.7%)	2 (1.9%)	1 (1.2%)	0 (0.0%)	2 (3.8%)	2 (4.5%)
Europe	102 (85.7%)	91 (86.7%)	59 (71.1%)	49 (75.4%)	32 (60.4%)	23 (52.3%)
Latin America	15 (12.6%)	12 (11.4%)	23 (27.7%)	16 (24.6%)	19 (35.8%)	19 (43.2%)
Body weight (kg), median (IQR)	81.0 (72.0 – 90.8)	81.0 (75.0 – 92.1)	77.0 (68.3 – 90.0)	83.7 (74.0 – 94.0)	74.0 (70.0 – 87.4)	71.0 (62.2 – 90.0)
BMI, median (IQR)	28.7 (26.4 – 32.1)	28.9 (26.4 – 32.2)	28.6 (25.6 – 32.2)	29.6 (25.6 – 32.3)	28.4 (25.6 – 31.9)	27.1 (24.9 – 31.4)
Statin, no. (%)						
Atorvastatin	61 (51.3%)	50 (47.6%)	41 (49.4%)	35 (53.8%)	24 (45.3%)	22 (50.0)
Rosuvastatin	58 (48.7%)	55 (52.4%)	42 (50.6%)	30 (46.2%)	29 (54.7%)	22 (50.0)

p<0.05 indicated in bold compared between treatment groups; chi-square test for categorical variables and Mann-Witney test for continuous variables

BETonMACE Cognition Subgroup – Baseline Clinical Chemistry



Deceline Chemistry	All Patients	MoCA ≥ 26	MoCA 25 - 22	MoCA < 22 N=97	
Baseline Chemistry	N=469	N=224	N=148		
Serum glucose, mg/dL	7.4 (6.1 – 9.3)	7.3 (6.3 – 8.9)	7.4 (6.2 – 9.8)	7.6 (5.7 – 10.1)	
eGFR, ml/min/1.73m2†	70.0 (56.0 – 85.0)	71.0 (57.0 – 88.3)	72.0 (56.5 – 85.0)	65.0 (50.0 – 80.0)	
eGFR < 60, no. (%)	149 (31.8%)	67 (29.9%)	44 (29.7%)	38 (39.2%)	
Total cholesterol, mmol/L	3.3 (2.8 – 3.9)	3.3 (2.8 – 4.0)	3.3 (2.7 – 3.9)	3.3 (2.8 – 3.9)	
LDL cholesterol, mmol/L	1.6 (1.2 – 2.2)	1.6 (1.3 – 2.1)	1.7 (1.2 – 2.2)	1.6 (1.3 – 2.1)	
HDL cholesterol, mmol/L	0.9 (0.8 – 1.0)	0.9 (0.8 – 1.0)	0.9 (0.8 – 1.0)	0.9 (0.8 – 1.0)	
Triglycerides, mg/dl	1.7 (1.3 – 2.2)	1.7 (1.4 – 2.2)	1.6 (1.2 – 2.1)	1.6 (1.2 – 2.1)	
Alkaline phosphatase, U/L	76.0 (62.0 – 92.0)	76.0 (62.0 – 92.0)	76.0 (61.0 – 90.0)	80.0 (64.0 – 95.0)	
Alanine aminotransferase, units/L	19.0 (14.0 – 26.0)	20.0 (15.0 – 26.0)	18.0 (14.0 – 25.0)	19.0 (14.0 – 25.0)	
Total bilirubin, μmol/L	9.6 (7.5 – 13.0)	9.6 (7.5 – 12.9)	9.4 (7.6 – 13.0)	9.8 (7.8 – 13.8)	
hsCRP, mg/L	2.4 (1.1 – 5.9)	1.9 (1.1 – 4.6)	2.3 (0.7 – 4.0)	4.4 (3.0 – 10.0)	
NLR	2.7 (2.2 – 3.7)	2.7 (2.1 – 3.7)	3.0 (2.2 – 3.8)	2.6 (2.2 – 3.6)	
HbA1c, (%)	7.0 (6.3 – 8.1)	7.0 (6.3 – 8.1)	7.1 (6.3 – 8.0)	7.1 (6.4 – 8.6)	

[†] Estimated glomerular filtration rate (eGFR) was calculated using the Cockcroft Gault method

p<0.05 indicated in bold compared to MoCA≥ 26; chi-square test for categorical variables and Mann-Witney test for continuous variables

Results shown as median (IQR)

BETonMACE Cognition Findings – Baseline Clinical Chemistry



by treatment group

	MoCA ≥ 26		MoCA	25 - 22	MoCA < 22		
Baseline Chemistry	Placebo (n=119)	Apabetalone (n=105)	Placebo (n=83)	Apabetalone (n=65)	Placebo (n=53)	Apabetalone (n=44)	
Serum glucose, mg/dL	7.2 (6.0 – 8.9)	7.6 (6.5 – 8.7)	7.1 (6.1 – 9.6)	7.6 (6.2 – 10.1)	7.3 (5.6 – 10.2)	7.8 (5.9 – 10.0)	
eGFR, ml/min/1.73m2†	69.0 (55.0 – 86.5)	73.0 (60.0 – 90.0)	70.5 (55.3 – 85.8)	73.0 (58.0 – 83.0)	63.0 (48.0 – 75.0)	68.5 (52.0 – 81.8)	
eGFR < 60, no. (%)	42 (35.3%)	25 (23.8%)	26 (31.3%)	18 (27.7%)	24 (45.3%)	14 (31.8%)	
Total cholesterol, mmol/L	3.3 (2.9 – 4.0)	3.3 (2.8 – 3.9)	3.4 (2.9 – 3.9)	3.2 (2.7 – 3.8)	3.5 (2.9 – 3.9)	3.0 (2.7 – 3.6)	
LDL cholesterol, mmol/L	1.6 (1.3 – 2.1)	1.6 (1.2 – 2.2)	1.7 (1.3 – 2.2)	1.7 (1.2 – 2.1)	1.7 (1.4 – 2.1)	1.5 (1.2 – 2.0)	
HDL cholesterol, mmol/L	0.90 (0.8 – 1.0)	0.86 (0.8 – 1.0)	0.9 (0.8 – 1.0)	0.9 (0.8 – 1.0)	0.9 (0.8 – 1.0)	0.9 (0.8 – 1.0)	
Triglycerides, mg/dl	1.8 (1.4 – 2.3)	1.7 (1.4 – 2.2)	1.6 (1.2 – 2.0)	1.6 (1.2 – 2.1)	1.7 (1.5 – 2.2)	1.5 (1.2 – 2.0)	
Alkaline phosphatase, U/L	77.0 (61.0 – 91.0)	76.0 (63.0 – 92.0)	76.0 (61.0 – 93.5)	74.0 (62.0 – 84.0)	77.0 (66.0 – 92.0)	81.0 (59.8 – 101.3)	
Alanine aminotransferase, units/L	20.0 (15.3 – 27.8)	19.0 (14.8 – 26.0)	19.0 (15.0 – 27.0)	18.0 (14.0 – 23.0)	19.0 (15.0 – 25.0)	19.0 (13.5 – 25.5)	
Total bilirubin, µmol/L	9.9 (7.6 – 13.0)	9.6 (7.3 – 12.5)	9.3 (7.2 – 13.5)	9.4 (7.9 – 11.8)	9.8 (8.5 – 13.8)	9.6 (7.2 – 14.1)	
hsCRP, mg/L	1.3 (0.8 – 2.3)	3.2 (1.7 – 5.8)	2.3 (0.4 – 4.7)	2.1 (1.1 – 3.7)	5.2 (3.3 – 10.3)	2.2 (0.8 – 5.1)	
NLR	2.5 (2.1 – 3.5)	2.8 (2.1 – 3.7)	3.0 (2.3 – 3.8)	3.0 (2.2 – 3.9)	2.5 (2.2 – 3.6)	2.9 (2.1 – 3.8)	
HbA1c, (%)	7.1 (6.3 – 8.2)	6.9 (6.3 – 7.8)	7.0 (6.2 – 7.9)	7.3 (6.4 – 8.1)	7.0 (6.4 – 8.5)	7.3 (6.5 – 8.9)	

[†] Estimated glomerular filtration rate (eGFR) was calculated using the Cockcroft Gault method

p<0.05 indicated in bold compared to MoCA≥ 26; chi-square test for categorical variables and Mann-Witney test for continuous variables

Results shown as median (IQR)

MoCA Subject Disposition and Subgroup Breakdown



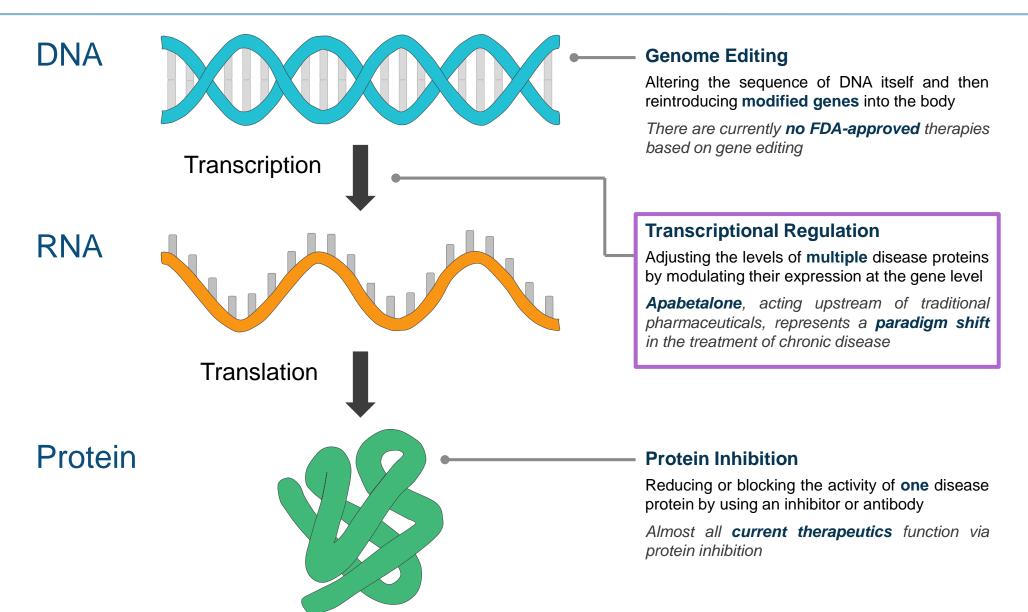
Number of Patients Completing Each Visit

Time Point	All Patients		MoCA ≥ 26 Normal		MoCA 25 – 22 Mild Impairment		MoCA < 22 Moderate to Severe Impairment	
	Placebo	Apabetalone	Placebo	Apabetalone	Placebo	Apabetalone	Placebo	Apabetalone
Baseline MoCA	255	214	119	105	83	65	53	44
Week 52 MoCA	211	165	100	82	71	55	40	28
Week 100 MoCA	103	82	53	39	30	29	20	14
LVC MoCA	218	171	101	86	72	55	45	30

The LVC method was used in the cognition assessment from BETonMACE to ensure the largest possible number of patients were included
in the analysis after baseline

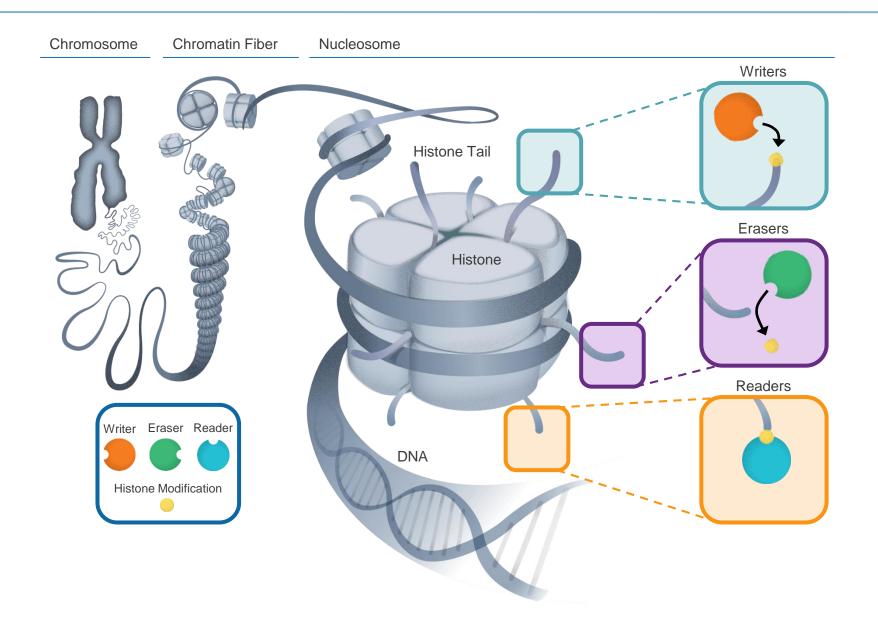
Apabetalone Mechanism of Action





Epigenetics Regulate Gene Activity

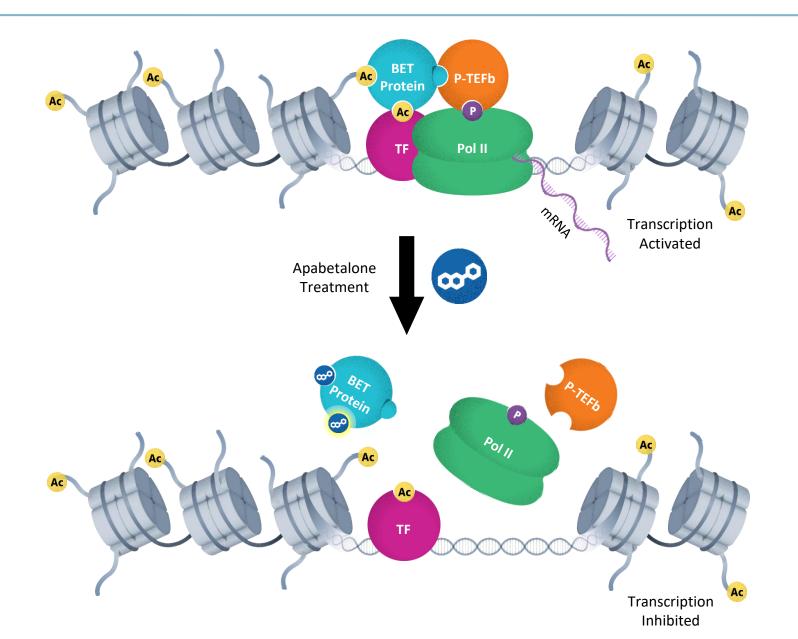




- Epigenetics refers to modifications to chromatin that regulate it's activity
- Transcription is regulated by addition, removal, or recognition of these modification
- Acetylation is associated with active transcription regions of chromatin
- Bromodomain and Extraterminal Domain (BET) proteins bind to acetylated histones and recruit additional transcription factors to drive gene expression

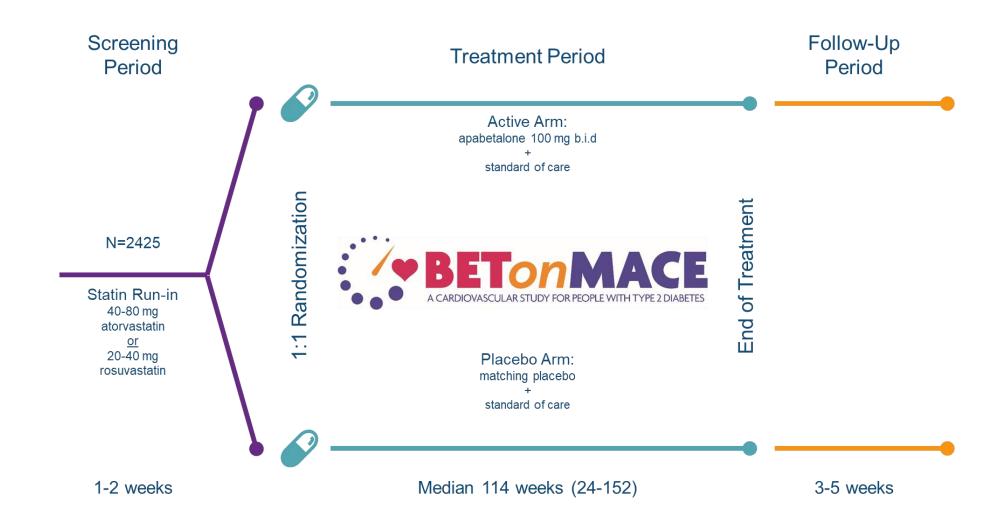
Apabetalone Mechanism of Action





BETonMACE Study Design





BETonMACE Study Parameters



Primary Objective

 To evaluate if treatment with apabetalone as compared to placebo increases time to the first occurrence of triple MACE. Triple MACE is defined as a single composite endpoint of CV death or non fatal MI or stroke.

Key Inclusion Criteria

- Type 2 Diabetes Mellitus
 - HbA1c >6.5% or history of diabetes medications
- Acute coronary syndrome 7-90 days prior to the screening visit
 - Unstable angina (Limited to 25% of total participants) or acute myocardial infarction
- Low HDL cholesterol
 - <40 mg/dL (1.04 mmol/L) for males; <45 mg/dL (1.17 mmol/L) for females at the screening visit

Primary Endpoint

 Time to first occurrence of adjudication-confirmed triple MACE

Key Secondary and Exploratory Endpoints

- Change in kidney function in chronic kidney disease sub-population
 - Baseline estimated glomerular filtration rate (eGFR) <60 mL/min/1.7m²
- Change in Montreal Cognitive Assessment (MoCA)
 - Evaluated in at-risk sub-population (≥70 years old at randomization)