

# **Agenda**

#### Welcome

Christine Lindenboom
 Senior Vice President, Investor Relations & Corporate Communications

#### **Overview**

Yvonne Greenstreet, MBChB, MBA
 Chief Executive Officer

#### **Commercial Highlights**

Tolga Tanguler
 Chief Commercial Officer

#### **Alnylam Pipeline**

Pushkal Garg, M.D.
 Chief Medical Officer

#### **Financial Summary and Upcoming Milestones**

Jeff Poulton
 Chief Financial Officer

#### **Q&A Session**

# Alnylam Forward Looking Statements & Non-GAAP Financial Measures

This presentation contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, including expectations regarding our aspiration to become a leading biotech company and the planned achievement of our "Alnylam P<sup>5</sup>x25" strategy, our ability to attain financial self-sustainability, the drivers of our future growth potential, including the potential of our TTR franchise, including the potential launch of vutrisiran for the treatment of hATTR amyloidosis patients with polyneuropathy, if approved by the FDA and other regulatory authorities, the potential opportunity for RNAi therapeutics in prevalent diseases, the achievement of additional pipeline and regulatory milestones, including relating to ongoing clinical studies of patisiran, vutrisiran and zilebesiran, delayed enrollment in the zilebesiran KARDIA-1 Phase 2 study and expected timing for topline data, and the initiation of clinical studies for ALN-APP and ALN-XDH, as well as the expected range of net product revenues, as updated, and net revenues from collaborations and royalties for 2022, and the expected range of aggregate annual GAAP and non-GAAP R&D and SG&A expenses for 2022, as updated, and the potential impact of foreign exchange rates on our results, growth rates and 2022 guidance. Actual results and future plans may differ materially from those indicated by these forward-looking statements as a result of various important risks, uncertainties and other factors, including, without limitation: the direct or indirect impact of the COVID-19 global pandemic or any future pandemic on our business, results of operations and financial condition and the effectiveness or timeliness of our efforts to mitigate the impact of the pandemic; the potential impact of the recent leadership transition on our ability to attract and retain talent and to successfully execute on our "Alnylam P<sup>5</sup>x25" strategy; our ability to discover and develop novel drug candidates and delivery approaches, including using our IKARIA and GEMINI platforms, and successfully demonstrate the efficacy and safety of our product candidates; the pre-clinical and clinical results for our product candidates, including patisiran and vutrisiran; actions or advice of regulatory agencies and our ability to obtain and maintain regulatory approval for our product candidates, including vutrisiran and lumasiran, as well as favorable pricing and reimbursement; successfully launching, marketing and selling our approved products globally; delays, interruptions or failures in the manufacture and supply of our product candidates or our marketed products, including vutrisiran; obtaining, maintaining and protecting intellectual property; our ability to successfully expand the indication for OXLUMO, ONPATTRO (and potentially vutrisiran, if approved) in the future; our ability to manage our growth and operating expenses through disciplined investment in operations and our ability to achieve a self-sustainable financial profile in the future without the need for future equity financing; the impact of foreign exchange rates on our results; our ability to maintain strategic business collaborations; our dependence on third parties for the development and commercialization of certain products, including Novartis, Sanofi, Regeneron and Vir; the outcome of litigation; the potential impact of current and risk of future government investigations; and unexpected expenditures; as well as those risks more fully discussed in the "Risk Factors" filed with our most recent Quarterly Report on Form 10-Q filed with the SEC and in our other SEC filings. If one or more of these factors materialize, or if any underlying assumptions prove incorrect, our actual results, performance, timelines or achievements may vary materially from any future results, performance or achievements expressed or implied by these forward-looking statements. All forward-looking statements speak only as of the date of this presentation and, except as required by law, we undertake no obligation to update such statements.

This presentation references non-GAAP financial measures. These measures are not in accordance with, or an alternative to, GAAP, and may be different from non-GAAP financial measures used by other companies. The items included in GAAP presentations but excluded for purposes of determining non-GAAP financial measures for the periods referenced herein are stock-based compensation expenses and realized and unrealized (gains) losses on marketable equity securities. We have excluded the impact of stock-based compensation expense, which may fluctuate from period to period based on factors including the variability associated with performance-based grants for stock options and restricted stock units and changes in our stock price, which impacts the fair value of these awards. We have excluded the impact of the realized and unrealized (gains) losses on marketable equity securities because we do not believe these adjustments accurately reflect the performance of our ongoing operations for the period in which such gains or losses are reported, as their sole purpose is to adjust amounts on the balance sheet.

# Yvonne Greenstreet, MBChB, MBA Chief Executive Officer Overview

4

**Multiple Drivers of Future Growth** 

**TTR Franchise Leadership** 

**Expansion into Prevalent Diseases** 

**Engine for Sustainable Innovation** 



# P5X25

Patients: Over 0.5 million on Alnylam RNAi therapeutics globally

**Products**: 6+ marketed products in rare and prevalent diseases

Pipeline: Over 20 clinical programs, with 10+ in late stages and 4+ INDs per year

**Performance**: ≥40% revenue CAGR through YE 2025

**Profitability**: Achieve sustainable non-GAAP profitability within period

Tolga Tanguler
Chief Commercial Officer

# **Commercial Highlights**

# **ONPATTRO®** (patisiran) Update: Q1 2022

\$137M

>2,200

ONPATTRO Global Q1 2022
Net Product Revenues

Patients Worldwide on Commercial ONPATTRO at end of Q1 2022



#### **Q1 Highlights**

	YoY % Growth	QoQ % Growth
U.S.	26%	4%
ROW	42%	-5%
Global	34%	-1%

- Steady patient growth continues across key markets
- U.S. QoQ growth of 4% impacted by:
  - Demand growth +7% due to an increase in patients on therapy partially offset by COVID impact on compliance
  - Inventory stocking dynamics (-6%)
  - Modest decrease in gross to net deductions (+3%)
- ROW patient growth offset by higher Q1 gross to net deductions following Q4 non-recurring benefits and foreign exchange

# GIVLAARI® (givosiran) Update: Q1 2022

\$35M

>400

GIVLAARI Global Q1 2022 Net Product Revenues Patients Worldwide on Commercial GIVLAARI at end of Q1 2022



#### **Q1 Highlights**

	YoY % Growth	QoQ % Growth
U.S.	33%	-22%
ROW	68%	11%
Global	43%	-13%

- U.S. QoQ growth of -22% impacted by:
  - Flat demand growth, despite 5% growth in patients, due to COVID impacted lower patient compliance
  - Inventory stocking dynamics (-15%)
  - Increase in gross to net deductions in Q1 following Q4 non-recurring benefits (-7%)
- ROW growth primarily driven by new patient adds in key markets, including launch in UK, offset by foreign exchange



# OXLUMO® (lumasiran) Update: Q1 2022

\$15M

>160

OXLUMO Global Q1 2022 Net Product Revenues Patients Worldwide on Commercial OXLUMO at end of Q1 2022



#### **Q1 Highlights**

	YoY % Growth	QoQ % Growth
U.S.	284%	-5%
ROW	19%	-32%
Global	59%	-24%

- U.S. QoQ growth of -5% impacted by:
  - Demand growth +6% due to an increase in patients on therapy
  - Increase in gross to net deductions (-11%)
- ROW patient growth offset by higher Q1 gross to net deductions following Q4 non-recurring benefits, timing of orders in partner markets, and foreign exchange



Pushkal Garg, M.D.
Chief Medical Officer
Alnylam Pipeline

# Patisiran APOLLO-B Phase 3 Study

Randomized, Double-Blind, Placebo-Controlled Study in ATTR Amyloidosis Patients with Cardiomyopathy

#### N = 360 Patient Population

- ATTR amyloidosis; wild-type or any TTR mutation
  - TTR stabilizer naïve and/or TTR stabilizer progressor
- Confirmed cardiomyopathy and medical history of symptomatic heart failure
- NYHA ≤III; minimum walk and NT-proBNP limits at baseline

Patisiran
IV q3w†
0.3 mg/kg

Placebo
IV q3w†

#### **Primary Endpoint**

Change in 6-MWT at 12 months

#### **Key Secondary Endpoints**

- Cardiomyopathy symptoms and health status
- Death and hospitalization outcomes
- Cardiac biomarkers

12-Month
Treatment
Extension

ClinicalTrials.gov Identifier: NCT03997383

**APOLLO**·B

Enrollment complete

Topline results expected mid-2022

# Vutrisiran HELIOS · A Phase 3 Study

#### Randomized, Open-Label Study in Patients with Hereditary ATTR Amyloidosis with Polyneuropathy



As previously reported, the primary endpoint of change from baseline in mNIS+7 at Month 9 was met<sup>1</sup>

#### n=122 **Patient Population Vutrisiran** RANDOMIZATION 25 ma 18–85 years old SC Q3M hATTR amvloidosis with polyneuropathy; any *TTR* mutation NIS 5-130 and PND or n=42 KPS ≥60% Prior tetramer Reference stabilizer use 3:1 permitted comparator (patisiran) Stratification: 0.3 mg/kg TTR V30M vs non-V30M IV Q3W

Baseline NIS <50 vs ≥50

#### **Efficacy Assessments**

#### **Vutrisiran vs APOLLO Placebo**

#### Primary Endpoint (at Month 9; previously presented<sup>1</sup>)

• Change from baseline in mNIS+7a

#### **Secondary Endpoints**

Change from baseline in:

- mNIS+7 at Month 18
- Norfolk QOL-DNb at Months 9 and 18
- 10-MWT<sup>c</sup> at Months 9 and 18
- mBMId at Month 18
- R-ODS<sup>e</sup> at Month 18

#### **Selected Exploratory Endpoints**

- Change from baseline in cardiac biomarkers, echocardiographic parameters to Month 18
- Change from baseline in Tc scintigraphy measures to Month 18f

#### **Vutrisiran vs HELIOS-A Patisiran**

#### **Secondary Endpoint**

% serum TTR reduction to Month 18

a Higher scores of mNIS+7 indicate more neurologic impairment (range, 0 to 304). Higher scores of Norfolk QOL-DN indicate worse quality of life (range, -4 to 136). 10-MWT speed (m/s) = 10 meters/mean time (seconds) taken to complete two assessments at each visit, imputed as 0 for patients unable to perform the walk; lower speeds indicate worse ambulatory function, dLower scores of mBMI ((weight in kg/m²) x serum albumin g/L) indicate worse nutritional status. Lower scores of R-ODS indicate more disability (range, 0 to 48). To scintigraphy was only performed at select sites, comparison to baseline, not placebo

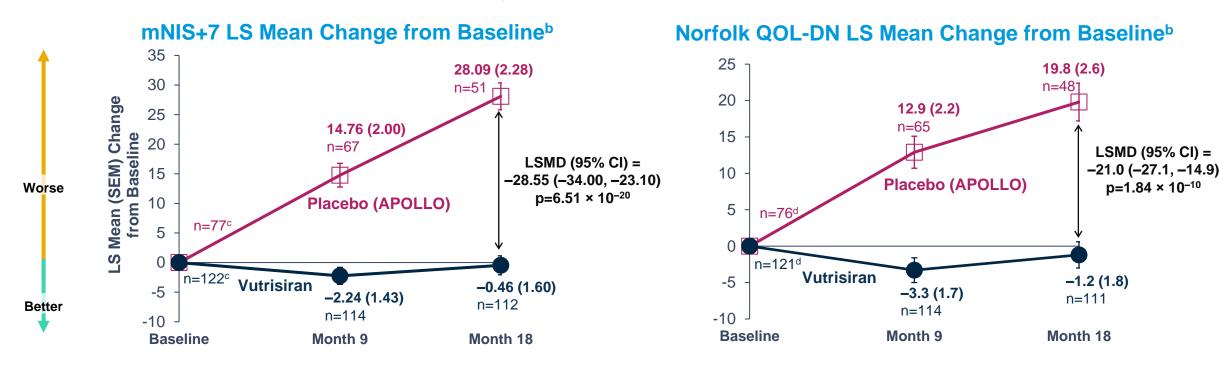
10-MWT, 10-meter walk test; ATTRv, transthyretin-mediated amyloidosis (v for variant); hATTR, hereditary transthyretin-mediated amyloidosis; IV, intravenous; KPS, Karnofsky performance status; mBMI, modified body mass index; mNIS+7, modified Neuropathy Impairment Score +7; NIS, Neuropathy Impairment Score; Norfolk QOL-DN, Norfolk Quality of Life-Diabetic Neuropathy; PND, polyneuropathy disability; Q3M, every 3 months; Q3W, every 3 weeks; R-ODS, Rasch-built Overall Disability Scale; SC, subcutaneous; Tc, technetium; TTR, transthyretin.

N = 164

≤IIIB

# Statistically Significant Improvement in Neuropathy Impairment and Quality of Life with Vutrisiran vs External Placebo at Month 18

- Improvement was observed across all prespecified patient subgroups, components, and subdomains of mNIS+7 and Norfolk QOL-DN (data not shown)
- Improvement relative to baseline<sup>a</sup> in mNIS+7 (48.3% [vutrisiran] vs 3.9% [placebo]) and Norfolk QOL-DN (56.8% vs 10.4%)
- Consistent treatment effects in vutrisiran and patisiran groups in HELIOS-A (data not shown)

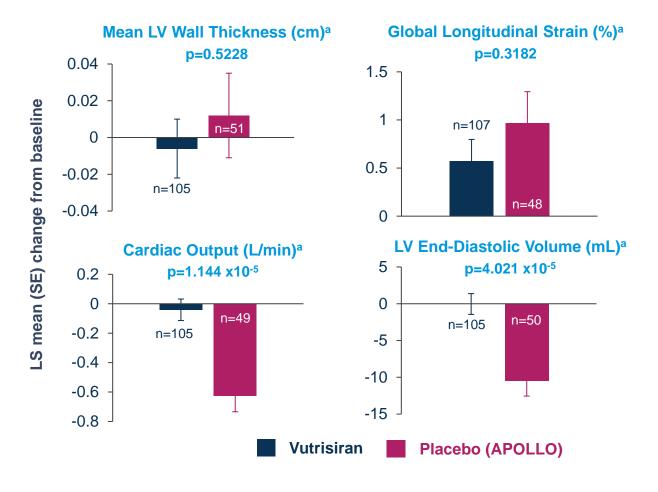


almprovement defined as patients with <0-point increase from baseline to 18 months. bmITT population (all randomized patients who received any amount of study drug). Value of n is the number of evaluable patients at each timepoint. Data plotted for mNIS+7 and Norfolk QOL-DN at Month 9 are ANCOVA/multiple imputation model data and data plotted at Month 18 are MMRM model data. cAt baseline, the mean (±SD) mNIS+7 was 60.6 (36.0) in the vutrisiran group and 74.6 (37.0) in the external placebo group. dAt baseline, the mean (±SD) Norfolk QOL-DN score was 47.1 (26.3) in the vutrisiran group and 55.5 (24.3) in the external placebo group.

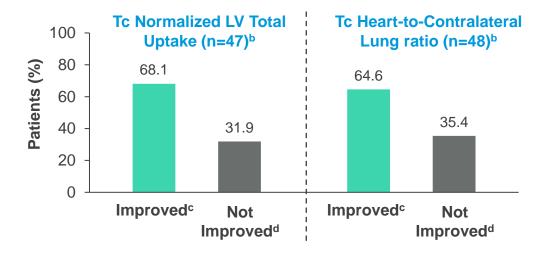
## **Exploratory Imaging Parameters**

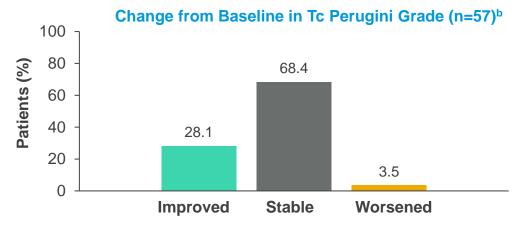
Potential Evidence of Reduction in Amyloid Burden

Vutrisiran trended toward improvement in all echocardiographic parameters, compared with external placebo group



# Reduced cardiac technetium uptake on scintigraphy imaging shown in majority of assessable vutrisiran patients





## **HELIOS-A Safety Summary**<sup>a</sup>

#### **Majority of AEs mild or moderate in severity**

- No drug-related discontinuations or deaths
- Three study discontinuations (2.5%) due to AEs in the vutrisiran arm (two due to death, as previously reported; one due to heart failure), none of which were considered related to study drug
  - One death due to COVID-19 pneumonia and the other due to iliac artery occlusion
- As previously reported, two SAEs deemed related to vutrisiran by investigators:
  - Dyslipidemia and urinary tract infection
- AEs ≥10% in the vutrisiran group included fall, pain in extremity, diarrhea, peripheral edema, urinary tract infection, arthralgia, and dizziness
- Injection-site reactions were reported in 5 patients (4.1%) receiving vutrisiran; all were mild and transient
- No safety signals regarding liver function tests, hematology, or renal function related to vutrisiran

#### **HELIOS-A Safety Summary**<sup>a</sup>

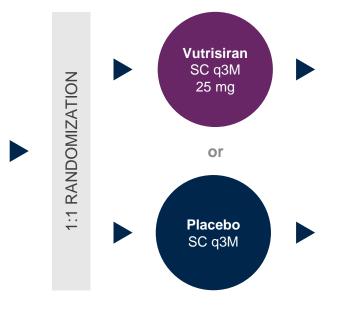
	APOLLO	HELI	OS-A
At least one event, n (%)	Placebo (n=77)	Vutrisiran (n=122)	Patisiran (n=42)
AEs	75 (97.4)	119 (97.5)	41 (97.6)
SAEs	31 (40.3)	32 (26.2)	18 (42.9)
Severe AEs	28 (36.4)	19 (15.6)	16 (38.1)
AEs leading to treatment discontinuation	11 (14.3)	3 (2.5)	3 (7.1)
AEs leading to stopping study participation	9 (11.7)	3 (2.5)	2 (4.8)
Deaths	6 (7.8)	2 (1.6)	3 (7.1)

# Vutrisiran HELIOS · B Phase 3 Study

Randomized, Double-Blind Outcomes Study in ATTR Amyloidosis Patients with Cardiomyopathy

#### N = 655 Patient Population

- ATTR amyloidosis; wild-type or any TTR mutation
- Confirmed cardiomyopathy and medical history of symptomatic heart failure
- NYHA ≤ III; minimum walk and NT-proBNP limits at baseline



ClinicalTrials.gov Identifier: NCT04153149



#### **Primary Endpoint**

• Composite outcome of all-cause mortality and recurrent CV events (when last patient reaches Month 30)

#### Select Secondary Endpoints

- 6-MWT distance
- Kansas City Cardiomyopathy Questionnaire (KCCQ OS) score
- Echocardiographic parameters
- All-cause mortality and recurrent all-cause hospitalizations and HF events
- All-cause mortality
- · Recurrent CV events
- NT-proBNP

Enrollment complete

Topline results on 30-month endpoint expected **early 2024** 

Study includes optional interim analysis

## Zilebesiran Phase 2 Clinical Development Plan



#### Monotherapy Phase 2 Study (N ~375)

- IND opened May 2021
- Evaluate efficacy and safety of zilebesiran as a monotherapy in patients with mild-to-moderate hypertension
- Exploring both quarterly and biannual dosing regimens
- Study initiated June 2021
- Expected to complete enrollment in early 2023 with topline data expected mid-2023



#### Add-On Phase 2 Study (N ~800)

- Evaluate efficacy and safety of zilebesiran as add-on therapy in patients with hypertension despite treatment with a potent RAAS inhibitor, a calcium channel blocker, or a diuretic
- Study initiated November 2021
- Expected to complete enrollment at or around year-end 2022



# **Alnylam Clinical Development Pipeline**

Focused in 4 Strategic Th Genetic Medicines Infectious Diseases	Cardio-Metabolic Diseases  CNS/Ocular Diseases	EARLY/MID-STAGE (IND/CTA Filed-Phase 2)	LATE STAGE (Phase 2-Phase 3)	REGISTRATION/ COMMERCIAL <sup>1</sup> (OLE/Phase 4/IIS/registries)	COMMERCIAL RIGHTS
onpottro	hATTR Amyloidosis with PN <sup>2</sup>			•	Global
GIVLAARI (givosiran) jedruk erakupropus se	Acute Hepatic Porphyria <sup>3</sup>				Global
SOXLUMO* (lumasiran) Krimpton.	Primary Hyperoxaluria Type 1 <sup>4</sup>				Global
Leqvio® (inclisiran)	Hypercholesterolemia⁵				Milestones & up to 20% Royalties <sup>6</sup>
Vutrisiran*	hATTR Amyloidosis with PN				Global
Patisiran	ATTR Amyloidosis with CM				Global
Vutrisiran*	ATTR Amyloidosis with CM				Global
Vutrisiran <sup>7</sup> *	Stargardt Disease		0		Global
Fitusiran*	Hemophilia				15-30% Royalties
Lumasiran	Severe PH1 Recurrent Renal Stones				Global
Cemdisiran (+/- Pozelimab) <sup>8*</sup>	Complement-Mediated Diseases				50-50; Milestone/Royalty
Belcesiran <sup>9*</sup>	Alpha-1 Liver Disease				Ex-U.S. option post-Phase 3
ALN-HBV02 (VIR-2218) <sup>10*</sup>	Hepatitis B Virus Infection				50-50 option post-Phase 2
Zilebesiran (ALN-AGT)*	Hypertension				Global
ALN-HSD*	NASH				50-50
ALN-APP*	Alzheimer's Disease; Cerebral Amyloid Angiopathy				50-50
ALN-XDH*	Gout				Global

¹ Includes marketing application submissions; ² Approved in the U.S. and Canada for the PN of hATTR amyloidosis in adults, and in the EU, Japan and other countries for the treatment of hATTR amyloidosis in adults with stage 1 or stage 2 polyneuropathy; ³ Approved in the U.S., Brazil and Canada for the treatment of adults with acute hepatic porphyria (AHP), and in the EU and Japan for the treatment of AHP in adults and adolescents aged 12 years and older; ⁴ Approved in the U.S., EU and Brazil for the treatment of primary hyperoxaluria type 1 in all age groups; ⁵ Approved in the U.S. for the treatment of heterozygous familial hypercholesterolemia (HeFH) or clinical atherosclerotic cardiovascular disease (ASCVD) and in the EU for the treatment of hypercholesterolemia; ⁵ Novartis has obtained global ment; sho to develop ment; and pozelimab are each currently in Phase 2 development; sho the EU for the treatment of hate 2022; ⁵ Cemdisiran and pozelimab are each currently in Phase 2 development; and for the group of the drug Regeneron are evaluating potential combinations of these two investigational therapeutics; ⁵ Dicerna is leading and funding development of beloesiran; ¹0 Vir is leading and funding development of ALN-HBVQ: ¹ Not approved for any indication and conclusions regarding the safety or efficacy of the drug Regeneron are established.



# **Alnylam Clinical Development Pipeline**

Focused in 4 Strategic The Genetic Medicines Infectious Diseases	Cardio-Metabolic Diseases  CNS/Ocular Diseases	EARLY/MID-STAGE (IND/CTA Filed-Phase 2)	LATE STAGE (Phase 2-Phase 3)	REGISTRATION/ COMMERCIAL <sup>1</sup> (OLE/Phase 4/IIS/registries)	COMMERCIAL RIGHTS
onpattro 2. (patisiran) infrança special	hATTR Amyloidosis with PN <sup>2</sup>				Global
(GIVLAARI" (givosiran) #ding/in.	Acute Hepatic Porphyria <sup>3</sup>				Global
OXLUMO' (lumasiran) francisca	Primary Hyperoxaluria Type 1 <sup>4</sup>				Global
Leqvio® (inclisiran)	Hypercholesterolemia <sup>5</sup>				Milestones & up to 20% Royalties
Vutrisiran*	hATTR Amyloidosis with PN				Global
Patisiran	ATTR Amyloidosis with CM				Global
Vutrisiran*	ATTR Amyloidosis with CM				Global
Vutrisiran <sup>7</sup> *	Stargardt Disease				Global
Fitusiran*	Hemophilia				15-30% Royalties
Lumasiran	Severe PH1 Recurrent Renal Stones				Global
Cemdisiran (+/- Pozelimab) <sup>8*</sup>	Complement-Mediated Diseases				50-50; Milestone/Royalty
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Zilebesiran (ALN-AGT)*	Hypertension				Global
ALN-HSD*	NASH				50-50
ALN-APP*	Alzheimer's Disease; Cerebral Amyloid Angiopathy				50-50
ALN-XDH*	Gout				Global

¹ Includes marketing application submissions; ² Approved in the U.S. and Canada for the PN of hATTR amyloidosis in adults, and in the EU, Japan and other countries for the treatment of hATTR amyloidosis in adults with stage 1 or stage 2 polyneuropathy; ³ Approved in the U.S., Brazil and Canada for the treatment of adults with acute hepatic porphyria (AHP), and in the EU and Japan for the treatment of haterozygous familial hypercholesterolemia (HeFH) or clinical atherosclerotic cardiovascular disease (ASCVD) and in the EU for the treatment of hypercholesterolemia; ° Novartis has obtained global ment; and obtained global ment; and pozelimab are each currently in Phase 3 study of vutrisiran in Stargardt Disease expected to initiate in late 2022; ° Cemdisiran and pozelimab are each currently in Phase 2 development; alto development; and for the graph or the distance of the drug has a possible to Blackstone by Alnylam; and funding development of ALN-HBVO2; Not approved for any indication and conclusions regarding the safety or efficacy of the drug have not been established.

# Jeff Poulton Chief Financial Officer Financial Summary and Upcoming Milestones

# **Q1 2022 Financial Summary**

Financial Results (\$ millions)	Q1 2022	Q1 2021	Reported Growth %	CER Growth % <sup>3</sup>
Net Product Revenues	\$186.9	\$135.8	38%	43%
Net Revenues from Collaborations	\$25.9	\$41.8	(38%)	
Royalty Revenues	\$0.4	-	-	
Total Revenues	\$213.3	\$177.6	20%	24%
Cost of Goods Sold and Collaborations	\$35.6	\$31.1	15%	
Gross Margin	\$177.6	\$146.5	21%	
GM as % of Total Revenues <sup>1</sup>	83.3%	82.5%	-	
Non-GAAP R&D Expenses <sup>2</sup>	\$158.3	\$161.5	(2%)	(1%)
Non-GAAP SG&A Expenses <sup>2</sup>	\$136.8	\$115.5	18%	20%
Non-GAAP Operating Loss <sup>2</sup>	(\$117.4)	(\$130.6)	(10%)	(15%)

Financial Results (\$ millions)	Mar 31, 2022	Dec 31, 2021
Cash & Investments <sup>4</sup>	\$2,239.6	\$2,435.6

<sup>1</sup> GM as a % of Total Net Product Revenues is 87.4% and 83.0% for Q1 2022 and Q1 2021, respectively (excludes \$12.2M and \$8.0M of Cost of Collaborations and Royalties for Q1 2022 and Q1 2021, respectively).

<sup>&</sup>lt;sup>2</sup> Non-GAAP R&D expenses, non-GAAP SG&A expenses and non-GAAP operating loss primarily exclude costs related to stock-based compensation expense.

<sup>&</sup>lt;sup>3</sup> Growth rates are at Constant Exchange Rates ("CER"), CER performance is determined by comparing Q1 2022 performance (restated using Q1 2021 exchange rates) to actual Q1 2022 reported performance.

<sup>&</sup>lt;sup>4</sup> Cash, cash equivalents and marketable securities

# **2022 Updated Full Year Guidance**

	Prior FY 2022 Guidance <sup>1</sup>	Updated FY 2022 Guidance <sup>2</sup>
Net Product Revenue (ONPATTRO, GIVLAARI, OXLUMO, vutrisiran) <sup>3</sup>	\$900M — \$1,000M	\$870M – \$930M
Net Revenues from Collaborations & Royalties	\$175M — \$225M	No change
Non-GAAP Combined R&D and SG&A Expenses <sup>4</sup>	\$1,400M — \$1,500M	\$1,390M – \$1,450M

<sup>1</sup> Our Prior FY 2022 Guidance utilized January 31, 2022 FX rates of: 1 EUR = 1.12 USD; 1 GBP = 1.34 USD; 1 CHF = 1.08 USD; 1 CAD = 0.79 USD, 1 USD = 115 JPY

<sup>&</sup>lt;sup>2</sup> Our Updated FY 2022 Guidance utilizes April 18, 2022 FX rates of: 1 EUR = 1.08 USD; 1 GBP = 1.31 USD; 1 CHF = 1.06 USD; 1 CAD = 0.79 USD, 1 USD = 126 JPY

<sup>&</sup>lt;sup>3</sup> Assuming FDA approval of vutrisiran by the July 14, 2022 PDUFA goal date

<sup>4 2022</sup> Non-GAAP Combined R&D and SG&A Expenses guidance excludes stock-based compensation expense estimated at \$230 million to \$250 million



# **Alnylam 2022 Goals**

			Early	Mid	Late
onpattro (patisiran) god contac e specim (givosir	An) rigistion for abcultaneous use   SECURITY ON THE PROPERTY OF A SECURITY OF A SECUR	Combined Net Product Revenue Guidance \$870 million – \$930 million (includes vutrisiran)			•
PATISIRAN	hATTR/ATTR Amyloidosis	APOLLO-B Phase 3 Topline Results		•	
TATIONAN	HATTK/ATTK AMyloldosis	File sNDA for ATTR-CM			•
		FDA Approval (7/14/22 PDUFA)		•	
	hATTR/ATTR Amyloidosis	U.S. Launch		•	
VUTRISIRAN*	Til ti	EMA Approval		•	
		Biannual Dose Regimen Data			•
	Stargardt Disease	Initiate Phase 3 in Stargardt Disease			•
ALN-TTRsc04*	ATTR Amyloidosis	File IND			•
ALIV TINGOUT	711 TTC / tillyloldoolo	Initiate Phase 1 Study			•
LUMASIRAN	PH1, Recurrent Renal Stones	Complete Enrollment in Phase 2 Study in Recurrent Renal Stones			•
INCLISIRAN	Hypercholesterolemia	FDA Approval (1/1/22 PDUFA)	<b>Ø</b>		
CEMDISIRAN*	Complement-Mediated	Phase 2 Monotherapy Results in IgA Nephropathy	•		
(+/- POZELIMAB)	Diseases	Initiate Phase 3 Combination Study in PNH	Ø		
ZILEBESIRAN*	Hypertension	Complete KARDIA-2 Enrollment (at or around year-end)			•
ALN-HBV02 (VIR-2218)*	Chronic HBV Infection	Phase 2 Combination Results	<b>Ø</b>		•
ALN-HSD*	NASH	Phase 1 Part B Topline Results		•	
ALN-APP*	Alzheimer's Disease	Initiate Phase 1 Study	<b>Ø</b>		
ALN-AFF	Alzheimer's Disease	Phase 1 Topline Results			•
ALN-XDH*	Gout	Initiate Phase 1 Study	<b>Ø</b>		
ALN-ADII	Goul	Phase 1 Topline Results			•
ADDITIONA	AL PROGRAMS	File 2-4 new INDs	•	•	•

# Q1 2022 Financial Results Q&A Session



# Q1 2022 Financial Results Appendix

# Alnylam Pharmaceuticals, Inc.

Reconciliation of Selected GAAP Measures to Non-GAAP Measures (In thousands)

		March 31, March 31 2022 2021		Inded
	M			
Reconciliation of GAAP to Non-GAAP research and development:				
GAAP Research and development	\$	169,893	\$	185,899
Less: Stock-based compensation expenses		(11,617)		(24,375)
Non-GAAP Research and development	\$	158,276	\$	161,524
Reconciliation of GAAP to Non-GAAP selling, general and administrative:				
GAAP Selling, general and administrative	\$	154,471	\$	146,859
Less: Stock-based compensation expenses		(17,676)		(31,315)
Non-GAAP Selling, general and administrative	\$	136,795	\$	115,544
Reconciliation of GAAP to Non-GAAP operating loss:				
GAAP operating loss	\$	(146,732)	\$	(186,254)
Add: Stock-based compensation expenses		29,293		55,690
Non-GAAP operating loss	\$	(117,439)	\$	(130,564)

# Alnylam Pharmaceuticals, Inc.

Reconciliation of Revenue and Operating Expense Growth at Constant Currency

	Three Months Ended March 31, 2022
Net product revenues as reported	38 %
Less: Impact of foreign currency translation	5
Net product revenues growth at constant currency	43 %
Total revenues as reported	20 %
Less: Impact of foreign currency translation	4
Total revenues growth at constant currency	24 %
Non-GAAP Research and development as reported	(2)%
Less: Impact of foreign currency translation	1
Non-GAAP research and development at constant currency	(1)%
Non-GAAP Selling, general and administrative as reported	18 %
Less: Impact of foreign currency translation	2
Non-GAAP selling, general and administrative at constant currency	20 %
Non-GAAP operating loss as reported	(10)%
Less: Impact of foreign currency translation	(5)
Non-GAAP operating loss at constant currency	(15)%