

# **Third Quarter 2018 Financial Results**

November 1, 2018



## **Agios Conference Call Participants**

#### **Prepared Remarks**

Introduction

- RENEE LECK, Associate Director, Investor Relations

Business Highlights & 2018 Key Milestones

- DAVID SCHENKEIN, M.D., Chief Executive Officer

**Clinical Development Progress** 

- CHRIS BOWDEN, M.D., Chief Medical Officer

TIBSOVO<sup>®</sup> Launch Update

- STEVE HOERTER, Chief Commercial Officer

Third Quarter 2018 Financial Results

- ANDREW HIRSCH, Chief Financial Officer



### **Forward Looking Statements**

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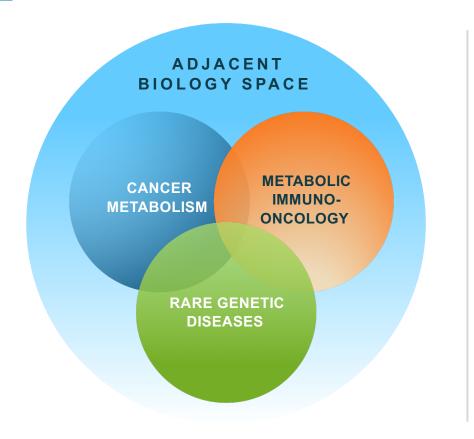
This presentation and various remarks we make during this presentation contain forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. Such forward-looking statements include those regarding Agios' plans, strategies and expectations for its and its collaborator's preclinical, clinical and commercial advancement of its drug development programs including IDHIFA® (enasidenib), TIBSOVO® (ivosidenib), AG-881, mitapivat, AG-270 and AG-636; the potential benefits of Agios' product candidates; its key milestones for 2018; its plans regarding future data presentations; its financial guidance regarding the period in which it will have capital available to fund its operations; and the potential benefit of its strategic plans and focus. The words "anticipate," "believe," "could," "estimate," "expect," "hope," "intend," "may," "milestone," "path," "plan," "possible," "potential," "predict," "prepare," "project," "strategy," "will," "would," and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Such statements are subject to numerous important factors, risks and uncertainties that may cause actual events or results to differ materially from Agios' current expectations and beliefs. For example, there can be no guarantee that any product candidate Agios or its collaborator, Celgene, is developing will successfully commence or complete necessary preclinical and clinical development phases, or that development of any of Agios' product candidates will successfully continue. There can be no guarantee that any positive developments in Agios' business will result in stock price appreciation. Management's expectations and, therefore, any forward-looking statements in this presentation and various remarks we make during this presentation could also be affected by risks and uncertainties relating to a number of other important factors, including: Agios' results of clinical trials and preclinical studies, including subsequent analysis of existing data and new data received from ongoing and future studies; the content and timing of decisions made by the U.S. FDA and other regulatory authorities, investigational review boards at clinical trial sites and publication review bodies; Agios' ability to obtain and maintain requisite regulatory approvals and to enroll patients in its planned clinical trials; unplanned cash requirements and expenditures; competitive factors; Agios' ability to obtain, maintain and enforce patent and other intellectual property protection for any product candidates it is developing; Agios' ability to maintain key collaborations, such as its agreements with Celgene and CStone Pharmaceuticals; and general economic and market conditions. These and other risks are described in greater detail under the caption "Risk Factors" included in Agios' public filings with the Securities and Exchange Commission. Any forward-looking statements contained in this presentation and various remarks we make during this presentation speak only as of the date hereof, and Agios expressly disclaims any obligation to update any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

# **Business Highlights & 2018 Key Milestones**

David Schenkein, M.D., Chief Executive Officer



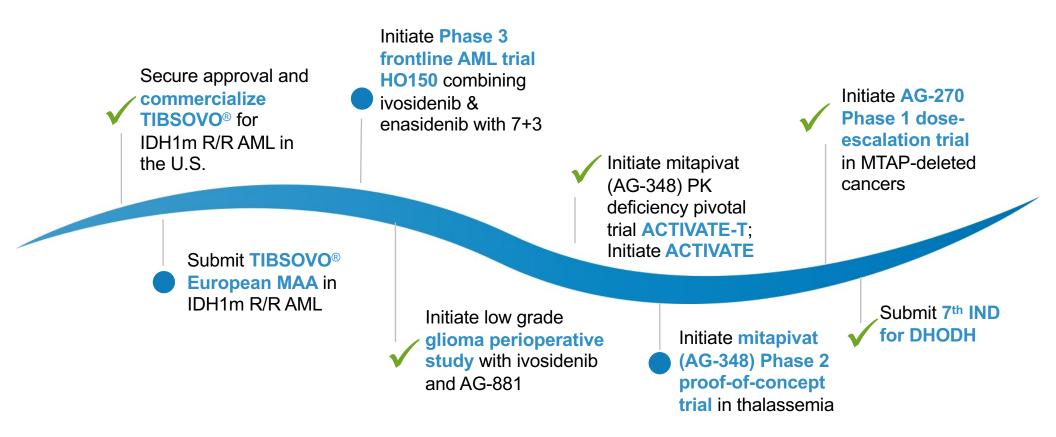
### Driven By a Clear Vision and Values





Agios is passionately committed to applying our scientific leadership in the field of cellular metabolism to transform the lives of patients with cancer and rare genetic diseases.

### 2018 Key Milestones



# Our Pipeline

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CLINICAL PROGRAMS	INDICATION	DRUG DISCOVERY	EARLY STAGE CLINICAL DEVELOPMENT	LATE STAGE CLINICAL DEVELOPMENT	APPROVED		COMMERCIAL GHTS
IDHIFA <sup>®</sup> enasidenib	R/R AML				∼ agios 🕻 🔂	Celgene	
(IDH2m Inhibitor)	Frontline AML					Agios U.S. Co-promotion and Royalty	
	R/R AML						
TIBSOVO® <i>ivosidenib</i> (IDH1m Inhibitor)	Frontline AML		< agios				
	Cholangio						
	Glioma						
AG-881 (pan-IDHm Inhibitor)	Glioma					ᠵ agios	
mitapivat (PK (R) Activator)	PK Deficiency					ᠵ agios	
AG-270 (MAT2A Inhibitor)	MTAP-deleted Tumors					ᠵ agios	Celgene
RESEARCH PROGRAMS							
AG-636 (DHODH)						ᠵ agios	
CM Research Prog	grams					ᠵ agios	
RGD Research Pro	ograms				ᠵ agios		
Metabolic IO Research Programs		•				ᠵ agios	Celgene

# **Clinical Development Progress**

Chris Bowden, M.D., Chief Medical Officer



## **Today's Clinical News**

- Plan to submit an a supplemental new drug application for single agent TIBSOVO<sup>®</sup> (ivosidenib) in newly diagnosed AML patients not eligible for standard treatment by the end of January 2019
- 2. Full enrollment for Phase 3 AGILE trial (ivosidenib combination with azacitidine in newly diagnosed AML patients ineligible for intensive chemotherapy) now expected to complete in 2020 vs. previous guidance of 2021 based on FDA agreement on event free survival primary endpoint
- 3. Mitapivat pivotal program (ACTIVATE and ACTIVATE-T) expected to complete enrollment in 2019



### Multiple Opportunities Across IDHm Hematologic and Solid Cancers Originating from Agios Research Platform

ACUTE MYELOID LEUKEMIA	CHOLANGIOCARCINOMA	LOW GRADE GLIOMA	OTHER INDICATIONS		
IDH2m R/R IDHIFA <sup>®</sup> (enasidenib) Approved	IDH1m R/R ivosidenib Phase 3 (ClarIDHY) Ongoing	IDH1m ivosidenib & AG-881 Perioperative Study Ongoing	MYELODYSPLASTIC SYNDROMES IDHm R/R ivosidenib Phase 1		
IDH1m R/R TIBSOVO <sup>®</sup> (ivosidenib) Approved	IDH1m R/R ivosidenib Phase 1 Enrollment Complete	IDH1m ivosidenib Phase 1 Enrollment Complete	Enrollment Complete CHONDROSARCOMAS		
IDH1m Frontline Non-IC ivosidenib + Aza Phase 3 (AGILE) Ongoing		IDH1m AG-881 Phase 1 Enrollment Complete	ivosidenib Phase 1 Enrollment Complete		
IDHm Frontline IC-Eligible ivo/ena + 7+3 Phase 3 (HO150) Q4 2018 Start					
IDHm Frontline Non-IC ivo/ena + Aza Phase 1/2 Enrollment Complete					
IDHm Frontline IC-Eligible					

ivo/ena + 7+3 Phase 1b Enrollment Complete

### Fourth Quarter Clinical Data Presentations

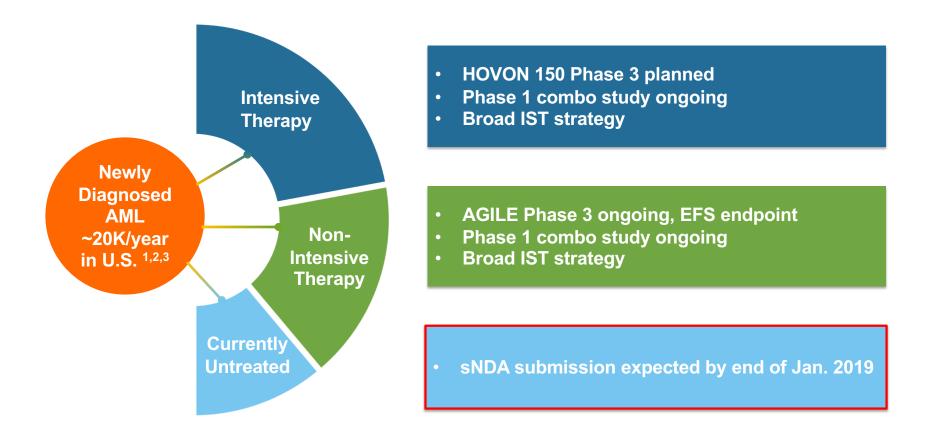
SNO oral presentation – updated data from Phase 1 trial of AG-881 in IDH1m solid tumors, including glioma ASH oral presentation – updated data in untreated AML from the Phase 1 study of ivosidenib in IDH1m hematologic malignancies

ASH oral presentation – updated data in IDHm newly diagnosed AML from the Phase 1 combination trial of ivosidenib or enasidenib with standard-of-care intensive chemotherapy

ASH poster presentation updated data in MDS from the Phase 1 study of ivosidenib in IDH1m hematologic malignancies

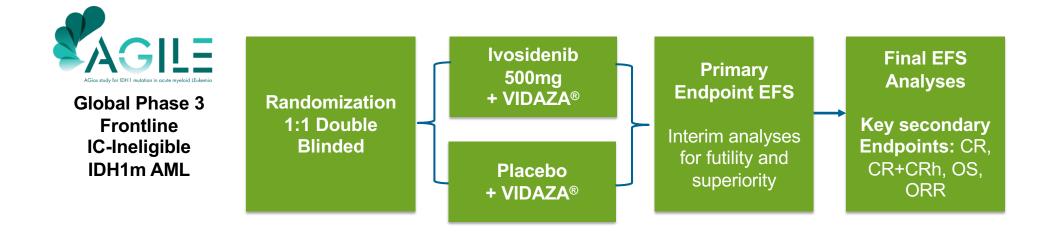
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### Broad Clinical Development Strategy in Frontline AML



12 Sources:1) SEER. Cancer Stat Facts: AML 2015. 2) American Cancer Society. AML 2017. 3) Kumar C. Genetic Abnormalities and Challenges in the Treatment of Acute Myeloid Leukemia. *Genes Cancer*. 2011; 2:95–107 AML O/S: Klepin, et al, JCO, 32

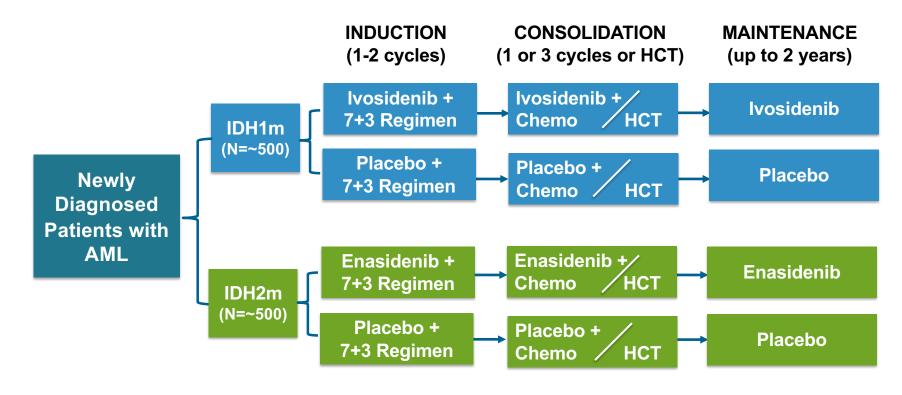
### Phase 3 Frontline AGILE Ongoing



ClinicalTrials.gov Identifier:NCT03173248 IC = intensive chemotherapy VIDAZA® is a registered trademark of Celgene Corporation

Primary endpoint changed to EFS; now expect to complete enrollment in 2020

# HOVON 150 Phase 3 Intergroup Frontline AML Trial in Collaboration with Celgene Planned for Q4 2018

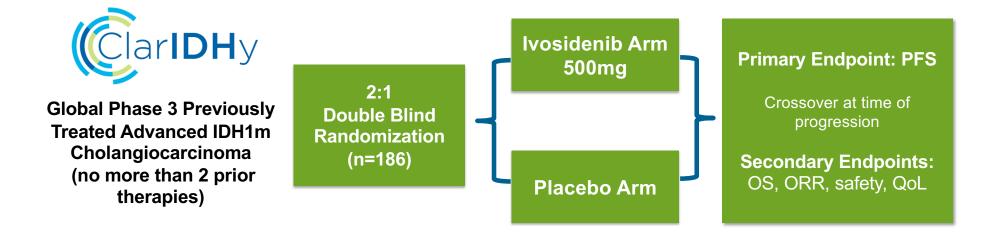


EFS = Event Free Survival HCT = Hematopoietic Cell Transplantation

EFS primary endpoint; sponsored by HOVON and AML-SG

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### Registration-Enabling Phase 3 Cholangiocarcinoma Study Ongoing



The study has 96% power to detect a hazard ratio of 0.5 with a one-sided alpha of 0.025

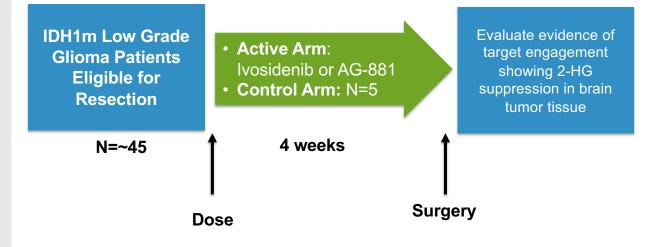
ClinicalTrials.gov Identifier: NCT02989857

Expect to complete enrollment in 1H 2019

# Ongoing Phase 1 Perioperative Study with Ivosidenib and AG-881 Evaluating Evidence of Target Engagement

#### **Study Objectives:**

- Determine amount of drug penetration in the brain
- Confirm magnitude of IDHm target engagement as measured by 2HG levels in brain tumor tissue (pre-clincally 85% seen with ivosidenib & 98% with AG-881)
- Assess impact of IDHm inhibition on differentiation and epigenetic profiles in tumor tissue
- · Assess the safety of both molecules



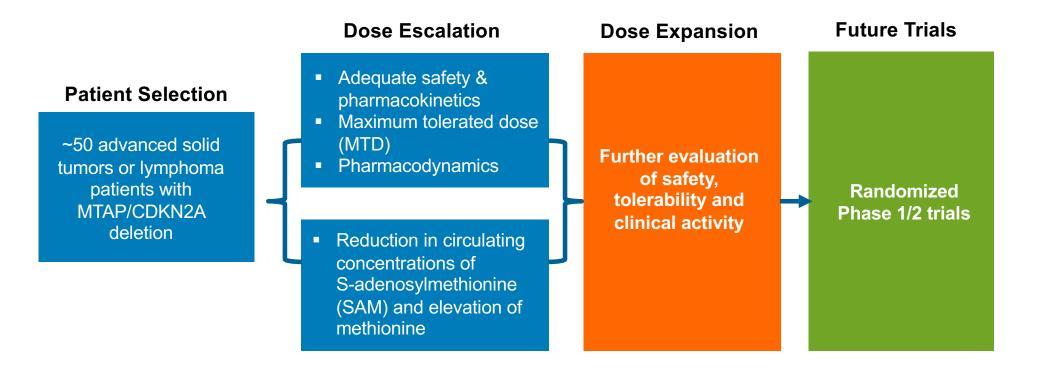
ClinicalTrials.gov Identifier: NCT03343197

#### Trial initiated in Q1; Patients Enrolling



### Next Steps in Glioma

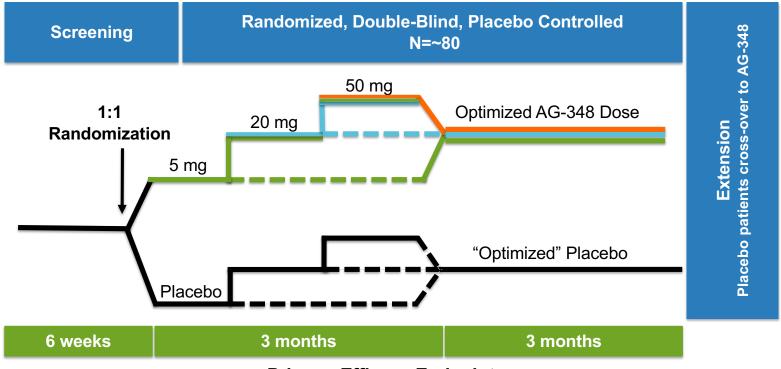
### AG-270 First-in-Human Phase 1 Clinical Trial



ClinicalTrials.gov Identifier: NCT03435250

Trial initiated and enrolling patients

### Mitapivat (AG-348) ACTIVATE Trial for Non-Regularly Transfused Patients

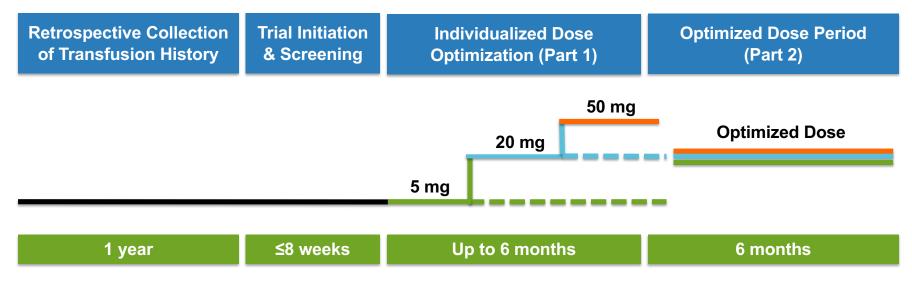


#### Primary Efficacy Endpoint:

Proportion of patients who achieve at least a 1.5 g/dL increase in hemoglobin sustained over multiple visits

**Enrollment expected to complete in 2019** 

# Mitapivat (AG-348) ACTIVATE-T Trial for Regularly Transfused Patients



Approximately 20 regularly transfused patients who have required a minimum of 6 transfusions over the year preceding enrollment

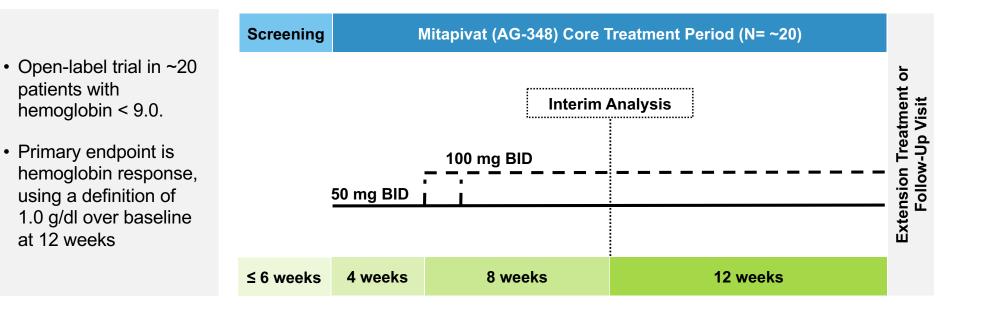
#### **Primary Endpoint:**

Reduction in transfusion burden over a 6-month period compared to the patient's transfusion history

Enrollment expected to complete in 2019



### Thalassemia Phase 2 Proof-of-Concept in Non-Transfusion Dependent Adults



On track to initiate by year-end 2018

# **TIBSOVO Launch Update**

Steve Hoerter, Chief Commercial Officer

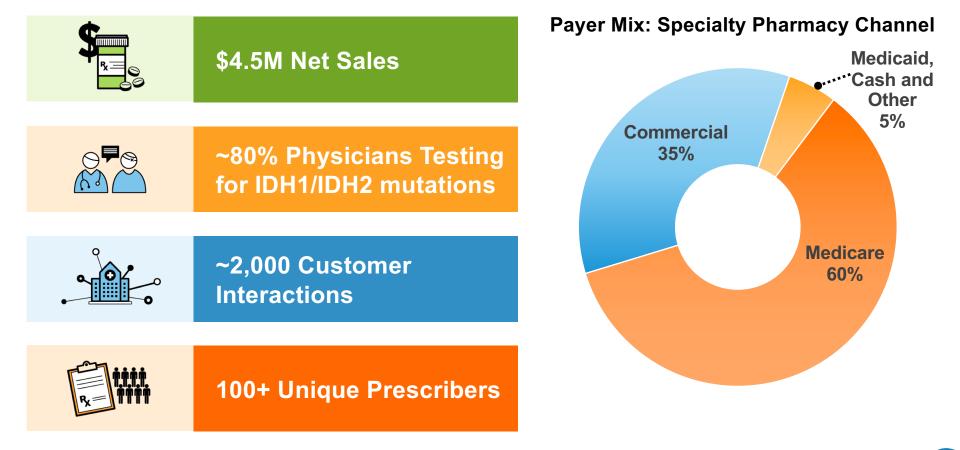


## Strategic Imperatives for the TIBSOVO® Launch





### TIBSOVO<sup>®</sup> Launch Performance – Q3 2018



24 Market research as of August 2018; Agios estimates

# **Third Quarter 2018 Financial Results**

Andrew Hirsch, Chief Financial Officer



### Third Quarter 2018 Financial Results

Statement of Operations	Three Months Ended September 30, 2018	Three Months Ended September 30, 2017
Total Revenue	\$15.2M	\$11.4M
Collaboration Revenue TIBSOVO <sup>®</sup> Net Sales Royalty Revenue	8.7M 4.5M 2.0M	10.6M  0.7M
Cost of Sales	0.7M	
Research & Development Expense	82.6M	72.9M
Selling, General & Administrative Expense	31.1M	17.5M
Balance Sheet	September 30, 2018	December 31, 2017
Cash, Cash Equivalents and Marketable Securities	\$878.4M	\$567.8M

September 30, 2018 cash balance provides runway through at least the end of 2020



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# Q&A

