Leading the Way in Targeted Protein Degradation
Therapeutics



### Safe harbor and forward-looking statements

This presentation contains forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995 that involve substantial risks and uncertainties, including statements regarding the development and regulatory status of our product candidates, such as statements with respect to our lead product candidates, ARV-110 and ARV-471, and the timing of clinical trials and data from those trials for our product candidates, and our discovery programs that may lead to our development of additional product candidates, the potential utility of our technology and therapeutic potential of our product candidates, the potential commercialization of any of our product candidates, the potential benefits of our arrangements with Yale University, our collaborative partnerships, and the Bayer joint venture, and the sufficiency of our cash resources. All statements, other than statements of historical facts, contained in this presentation, including statements regarding our strategy, future operations, future financial position, future revenues, projected costs, prospects, plans and objectives of management, are forward-looking statements. The words "anticipate," "believe," "estimate," "expect," "intend," "may," "might," "plan," "predict," "project," "target," "potential," "wull," "would," "could," "should," "continue," and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words.

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### Clinical-stage leader in protein degradation, a powerful new modality

#### Novel PROTAC® (proteolysis-targeting chimera) degrader platform

- Elimination of disease-causing proteins, instead of inhibition
- Power of genetic medicines with small-molecule benefits

#### Strategic, discovery-stage partnerships with Pfizer, Genentech, and Bayer

- Pharmaceutical partnerships across multiple therapeutic areas
- · Joint venture (Oerth Bio) with Bayer for agricultural applications
- Up to \$2.1B in total potential milestones plus tiered royalties

#### Robust pipeline of 20+ oncology, I-O, and neuroscience programs

- Pipeline targets include "undruggable" proteins (e.g., KRAS, Myc) and more validated targets
- Clinical proof-of-concept from two programs: ARV-110 and ARV-471
- ARV-110, our androgen receptor PROTAC, has shown safety, efficacy signal, and androgen receptor degradation
- ARV-471, our estrogen receptor PROTAC, has shown initial safety, doseproportional pharmacokinetics, and early evidence of ER degradation
- Neuroscience PROTAC degraders targeting tau,  $\alpha$ -synuclein, and mHTT
- All programs fully owned by Arvinas

#### **Leader in targeted protein degradation**

- Our PROTAC Discovery Engine has generated industry-leading breatkthroughs (e.g., brain penetrance)
- Proprietary knowledge, including our E3 KnowledgeBase, Zone of Ubiquitination, and Arvinas Rules
- 170+ employees fully dedicated to targeted protein degradation

#### Strong cash and intellectual property positions

- ~\$242.7 M in cash, cash equivalents, and marketable securities as of 6/30/20
- Platform IP complemented by specific product IP

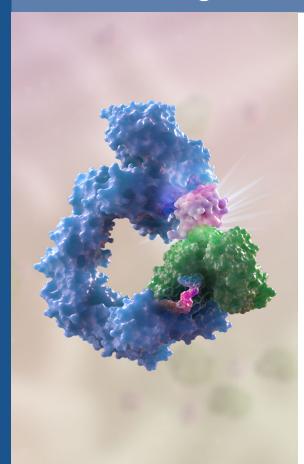


# Arvinas' pipeline encompasses a range of validated and undruggable targets in oncology, I-O, and neuroscience

	ARVN Program	Indication	Exploratory	Research	IND Enabling	Phase 1	Phase 2/3
ıcology	ARV-110	mCRPC					
	ARV-766	Other AR indications			ND 2021		
	AR-V7	mCRPC					
10-01	ARV-471	ER+/HER2- Breast Cancer					
Oncology / Immuno-oncology	BCL6	B-cell Malignancies	IN	D 2022			u
	KRAS	NSCLC, CRC, Pancreatic	IN	D 2023			
	Undisclosed	Solid Malignancies	IN	D 2022			
	Мус	Solid Malignancies					
0	НРК1	Solid Malignancies					
Neuroscience	Tau	FTLD-TAU, PSP, AD	IN	D 2022			'
	Alpha Synuclein	MSA, Parkinson's					
	mHTT	Huntington's					·
S	Undisclosed	Neurodegeneration					

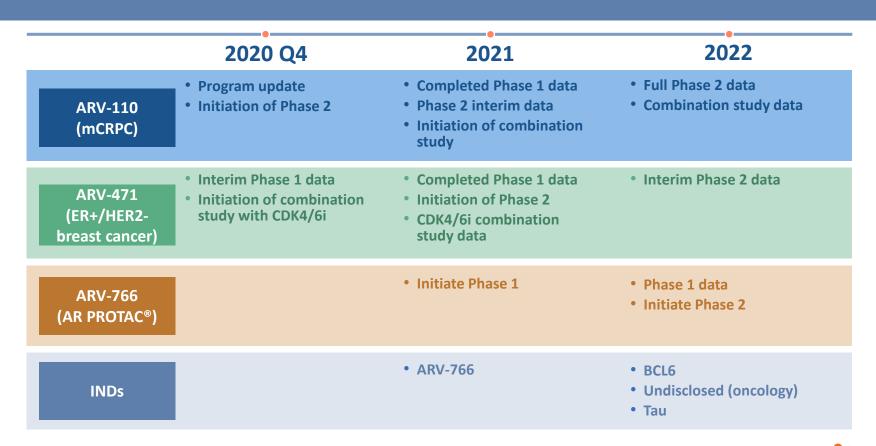


## ARV-110 and ARV-471 have provided clinical proof-of-concept for PROTAC® degraders



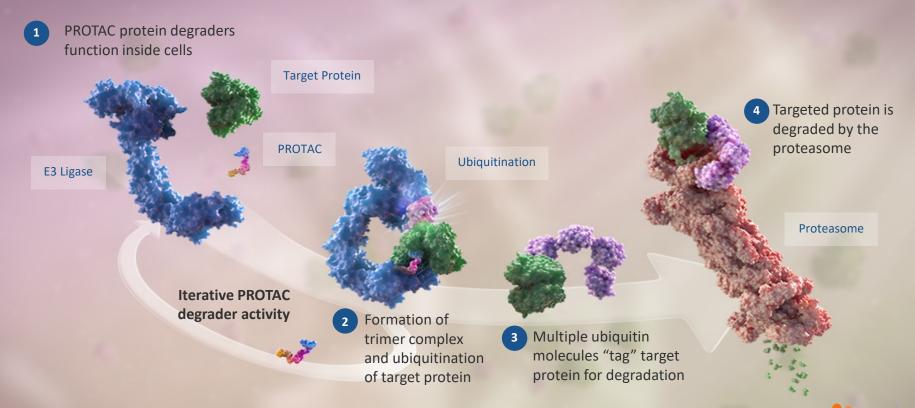
- ✓ Degradation of AR and ER demonstrates proofof-mechanism in human patients
- ✓ Safety initially observed in two different programs in two different patient populations
- ✓ ARV-110 overcame prior resistance to AR therapy, showing the translation of ARV-110's preclinical profile into patient benefit
- ✓ Reinforces our confidence in Arvinas' extensive and promising preclinical pipeline

### We anticipate a rapid pace of milestones in 2021-22





# PROTAC® protein degraders harness the ubiquitin-proteasome system to induce the degradation of disease-causing proteins



## PROTAC® protein degraders combine the advantages of gene-based medicines with the benefits of small molecule therapies



PROTAC protein degraders have distinct advantages over both small molecule inhibitors and gene-based medicines	PROTAC Protein Degraders	Small Molecule Inhibitors	Gene-Based Medicines
Eliminate pathogenic proteins	✓	*	
Target scaffolding function	✓	*	
Potential to treat "undruggable" proteins	✓	*	
Iterative mechanism of action	✓	×	×
Broad tissue penetration	✓		*
Orally bioavailable	<b>√</b>		×
Ease of manufacturing	✓		×

## Arvinas' breakthroughs are driven by our integrated PROTAC® Discovery Engine

**PROTAC Discovery Engine** 

1

2

3

**Ligase Selection and Ligand Identification** 

Rapid PROTAC Design

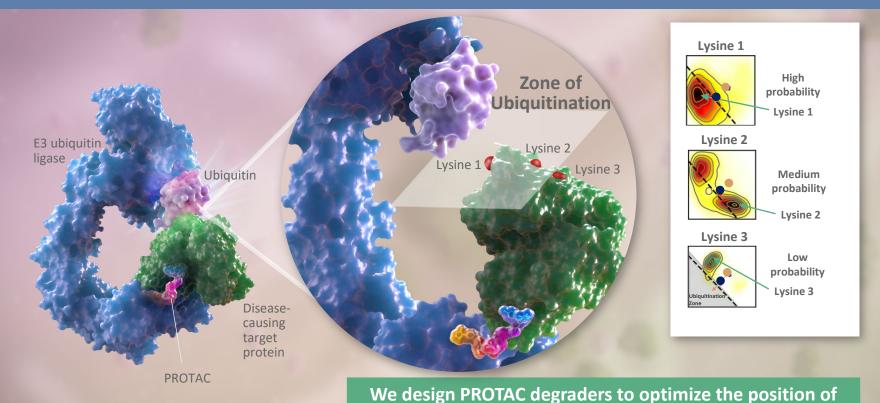


- E3 KnowledgeBASE of novel E3 ligases
- Novel warheads for undruggable targets and new ligands for E3 ligases
- Advanced screening capabilities, including proprietary DNA-encoded libraries tailored for PROTAC development
- Optimizing the Zone of Ubiquitination
- Arvinas Next Generation Linker Evolution (ANGLE)
- Predictive computational modeling
- State-of-the-art proteomics capabilities
- "Arvinas Rules" for drug-like properties, including blood-brain barrier penetration and oral bioavailability in humans
- Deep knowledge of in vivo PK/PD and efficacy relationships

Arvinas' platform is built from nearly 20 years of experience, know-how, and IP



# Our deep understanding of the Zone of Ubiquitination informs the structure-based design of PROTAC® degraders



lysine residues within the Zone of Ubiquitination

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## Strategic partnerships expand the impact of our PROTAC® Discovery Engine

### Genentech

A Member of the Roche Group

#### September 2015

(expanded in November 2017) Target discovery deal





December 2017
Target discovery deal



#### June 2019

Target discovery deal and agriculture-focused joint-venture to fight crop disease and other challenges facing the global food supply

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These partnerships expand the impact of PROTAC degraders beyond oncology and beyond human therapeutics, while maintaining full ownership of our pipeline



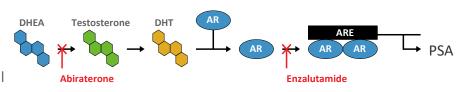
### ARV-110 is Arvinas' AR degrader for men with metastatic castration-resistant prostate cancer (mCRPC)

#### Androgen Receptor (AR) Activity Drives Prostate Cancer

- Prostate cancer is the second leading cause of cancer death in men in the US<sup>1</sup>
- Current agents work by decreasing androgen levels (abiraterone) or blocking androgen binding to AR (enzalutamide)
- **15-25%** of patients never respond to abiraterone or enzalutamide (**intrinsic resistance**)
- Acquired resistance mechanisms to abiraterone and enzalutamide include:
  - AR gene amplification (40-60% of patients)
  - AR gene enhancer amplification (>70% of patients)
  - AR point mutations (up to 25% of patients)
  - Intra-tumoral androgen production
- Despite rapid and dramatic responses to standards of care, all patients with metastatic disease progress to the castration resistant state and their tumors continue to be dependent on the AR signaling axis<sup>2</sup>

#### **PROTAC® Degrader ARV-110**

- · First-in-class AR degrader
- In preclinical models, overcomes known resistance mechanisms to enzalutamide and abiraterone
- Highly selective degradation of AR; not brain penetrant
- Received FDA "Fast Track" designation in May 2019
- Interim phase 1 data disclosed in 2Q20 showed AR degradation and efficacy signal, validating the PROTAC® mechanism and platform





# Phase 1 study of ARV-110 is a traditional "3+3" dose escalation study in patients that have received ≥2 prior systemic therapies for mCRPC

### Design

- "3 + 3" dose escalation; starting dose = 35 mg, orally, once daily with food
- Dose increases dependent on toxicities
  - Range 25% to 100% based on severity of AEs

#### **Inclusion criteria**

- Men with mCRPC, regardless of AR status
- At least two prior systemic therapies, at least one of which was abiraterone or enzalutamide
- Disease progression on most recent therapy
  - Rising PSA or 2+ new lesions upon bone scan

### **Endpoints**

### **Primary:**

 Define the maximum tolerated dose and recommended phase 2 dose

### Secondary:

- Pharmacokinetics
- Anti-tumor activity (PSA50, RECIST criteria)

### **Exploratory:**

- Biomarkers
  - ctDNA mutational profiling
  - AR levels in optional paired biopsies
  - AR and AR-V7 levels in circulating tumor cells (CTCs)



### Enrolled patients in the ARV-110 clinical trial have been highly pretreated at baseline

Data as presented at ASCO 2020 and as of 4/20/20

Patient characteristics	Parameter	N (%)	
Median age (years)		67	7.5
ECOG Performance Status	0	15	(68)
	1	7	(32)
Number of prior regimens in mCRPC	≥2	22	(100)
	Mean	5	(NA)
	Median (range, 2-9)	6	(NA)
Prior 2 <sup>nd</sup> generation AR treatment	Abiraterone acetate (ABI)	22	(100)
	Enzalutamide (ENZA)	17	(77)
	вотн	17	(77)
Prior chemotherapy	Any Chemotherapy	17	(77)
	Docetaxel	13	(59)
	Cabazitaxel	9	(41)
	<b>Docetaxel and Cabazitaxel</b>	5	(23)
Other agents	Lutetium	2	(9)
	Radium RA 223	5	(23)
	Sipuleucel-T	5	(23)
	PARP inhibitor	5	(23)

### ARV-110 has been generally well tolerated; potential drug-drug interaction in the two patients taking concomitant rosuvastatin

Data as presented at ASCO 2020 and as of 4/20/20

Related TEAE	35 mg (N=3)		70 mg (N=4)		140 mg (N=8)		280 mg (N=7)		Total (N=22)
	Gr ≤2	Gr ≥3	Gr ≤2	Gr ≥3	Gr ≤2	Gr≥3	Gr ≤2	Gr≥3	N (%)
Any	-	-	1	1	4	1	5	1	13 (59)
Nausea	-	-	-	-	2	-	4	-	6 (27)
Diarrhea	-	-	1	-	3	-	2	-	6 (27)
Fatigue	-	-	1	-	2	-	2	-	5 (23)
ALT increased	-	-	-	1†	1	-	1	<b>1</b> <sup>†</sup>	4 (18)
AST increased	-	-	-	1 <sup>†</sup>	2	-	-	1 <sup>†</sup>	4 (18)
Lymphocyte count decreased	-	-	-	-	-	1	3	-	4 (18)
Vomiting	-	-	1	-	1	-	2	-	4 (18)

- Related TEAE in ≥ 10% of patients (N=22)
- 1 of 22 patients had a DLT with ALT/AST Grade 3/4 and renal failure (280 mg)

Data as presented at ASCO 2020 and as of 4/20/20

#### **Clinical observations**

- 2 of 22 patients received concomitant rosuvastatin
  - First patient with DLT: Grade 3/4 ALT/AST and renal failure
  - Second patient with Grade 3 ALT/AST; re-challenge off rosuvastatin supported contribution of rosuvastatin. Patient was restarted on ARV-110 with no further toxicity

### Pharmacologic data supporting rosuvastatin interaction<sup>1</sup>

- Rosuvastatin concentrations increased in both patients with LFT rise compared to baseline
- Subsequent in vitro transport pump studies indicated BCRP transporter inhibition by ARV-110<sup>2</sup>

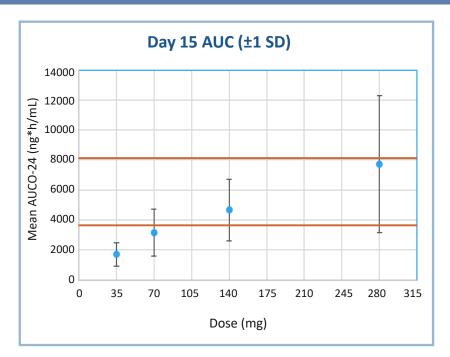
### Following introduction of rosuvastatin restriction, no further elevation in LFTs observed

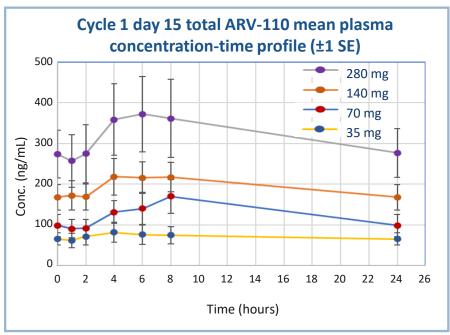
 6 patients were on other statins, including 3 on atorvastatin (Lipitor®) and no ALT/AST adverse events



### ARV-110 exposures are dose-proportional and demonstrate drug-like pharmacokinetics, with a half life that supports daily dosing

Data as presented at ASCO 2020 and as of 4/20/20





The orange lines represent the minimum efficacious exposures for tumor growth inhibition in various preclinical models<sup>1</sup>

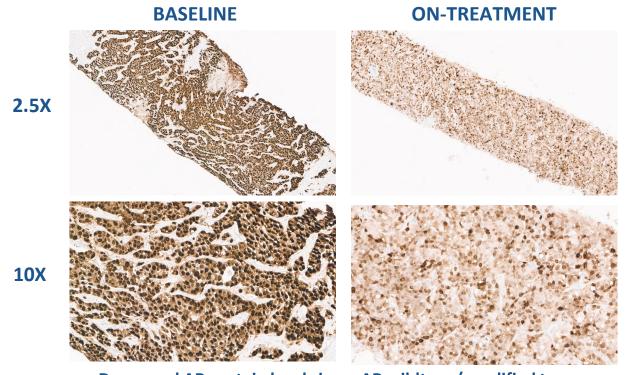
 $T_{1/2} \approx 110 \text{ hours}$ 

<sup>&</sup>lt;sup>1</sup>Upper line based on enzalutamide-resistant vertebral cancer of the prostate (VCaP) models. Lower line based on castrated and non-castrated VCaP model QD, once per day. AUC, area under the curve. Cmax, maximum serum concentration. SD, standard deviation. SE, standard error.



### ARV-110 degrades AR in tumor tissue, demonstrating the first proof of mechanism for PROTAC® protein degraders

Data as presented at ASCO 2020 and as of 4/20/20

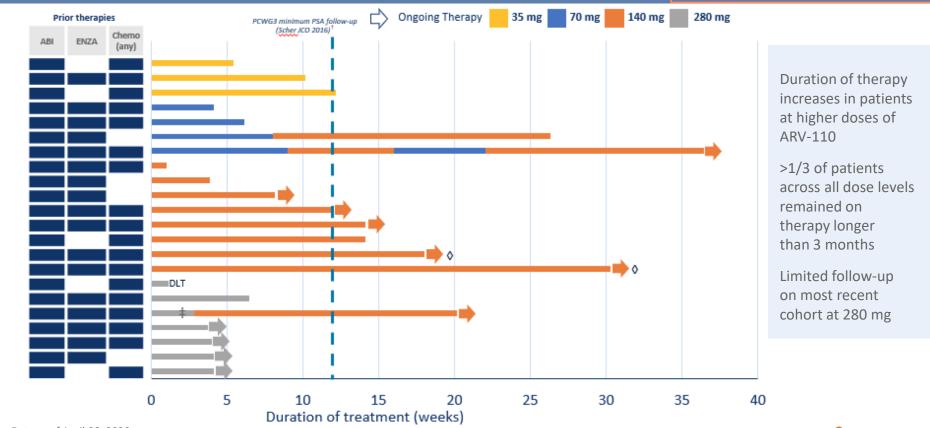


Decreased AR protein levels in an AR wildtype/amplified tumor from a patient following 6 weeks of ARV-110 dosing (280 mg)



### Duration of patient therapy in the ARV-110 dose escalation trial

Data as presented at ASCO 2020 and as of 4/20/20



Data as of April 20, 2020

### In patients with only ARV-110-degradable forms of AR, 2 of 7 had PSA decreases >50%<sup>1</sup>



In patients without L702H or AR-V7, 2 of 7 had PSA decreases >50%

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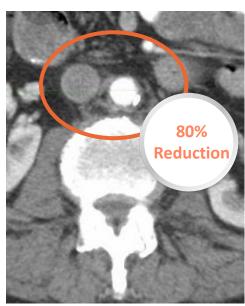
## Two confirmed PSA50 responders, including one confirmed RECIST partial response

Data as presented at ASCO 2020 and as of 4/20/20

Responding Patient	1	2		
PSA response	<b>74%</b> decline	97% decline		
RECIST response	Not measurable	80% reduction		
Duration of ARV-110	30+ weeks ongoing	18+ weeks ongoing		
Biomarker status	AR H875Y and T878A mutations (associated with resistance to abiraterone or enzalutamide) <sup>1</sup>			
Common prior therapies	Enzalutamide, Abiraterone, Bicalutamide			
Other prior therapies	Docetaxel Radium	Provenge Cabazitaxel		
History	Extensive bone metastases (sternum, left first rib, T3, T10 vertebral bodies)	Extensive disease involving adrenal gland, aortocaval nodes, multiple cone metastases		



**BASELINE CT SCAN**Extensive retroperitoneal adenopathy compressing the inferior vena cava



AFTER 4 CYCLES

Near complete regression
of adenopathy

### We are developing ARV-110 to be a potentially first- and best-in-class AR-targeted therapy for prostate cancer



Clear initial efficacy signal in dose escalation, in the most advanced patient population tested with an AR-directed therapy



Safety profile acceptable for potential use in frontline settings



Exploring a fast-to-market, biomarker-driven strategy for accelerated approval in 2L+ mCRPC



Potential to address unmet patient need in 1L mCRPC and mCSPC (~45k patients)

Next ARV-110 update anticipated Q4 2020





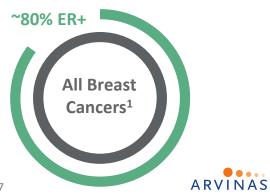
### ARV-471 is Arvinas' ER degrader for patients with locally advanced or metastatic breast cancer

### Breast cancer is the second most common cancer in women<sup>1</sup>

- ~276,000 women are expected to be diagnosed with invasive breast cancer in the US in 2020¹
- Metastatic breast cancer accounts for ~6% of newly diagnosed cases<sup>2</sup>
- 80% of breast cancers are estrogen receptor (ER) positive<sup>3</sup>
- Fulvestrant has demonstrated the value of ER degradation in breast cancer. However, after 6 months of fulvestrant treatment, up to 50% of ER baseline levels remain<sup>4</sup>

### PROTAC® Degrader ARV-471

- ARV-471 is in development for the treatment of patients with ER+/HER2- locally advanced or metastatic breast cancer
- Superior ER degradation and tumor inhibition in preclinical studies
- Clinical strategy is to ultimately develop ARV-471 for 1L settings



### Phase 1 study of ARV-471 is a traditional "3+3" dose escalation study

### Design

- "3 + 3" dose escalation; starting dose at 30 mg orally, once daily (po, qd) with food
- Dose increases dependent on toxicities: range 25% (if 1 DLT in 6 pts) to 100% (≤Grade 1 Adverse Events)

### **Inclusion criteria**

- ER+/HER2- advanced breast cancer
- At least two prior endocrine therapies in any setting, and a CDK4/6 inhibitor
- Up to three prior cytotoxic chemotherapy regimens

### **Endpoints**

#### **Primary:**

 Maximum tolerated dose and recommended phase 2 dose

### Secondary:

- Pharmacokinetics
- Anti-tumor activity (RECIST, CBR)

### **Exploratory:**

- Biomarkers
  - ER gene (ESR1) mutational status in ctDNA and/or tumor tissue
  - ER, Progesterone Receptor and Ki-67 levels in pre- and post-treatment tumor biopsies in patients with accessible tumor tissue

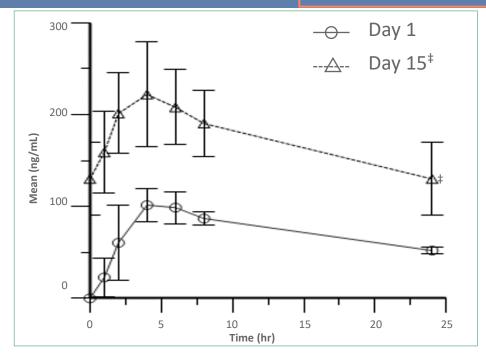
# In the first dose cohort of the 3+3 escalation study of ARV-471, exposure reached the predicted efficacious range

Data as of October 2019

Preclinical Efficacious Exposure Range					
Dose (po, qd)	Mean AUC <sub>0-24</sub> (ng*hr/ml)	Mean C <sub>max</sub> (ng/ml)			
3 mpk	658	84			
10 mpk	2538	312			
30 mpk	5717	962			

30 mg Cohort Phase 1 Data						
Day	AUC <sub>0-24</sub> (ng*h/mL) Mean	C <sub>max</sub> (ng/ml) Mean				
Day 1	1690	109				
Day 15	4100 <sup>†</sup>	224				

- Exposure at 30 mg entered the preclinical efficacious range associated with tumor growth inhibition
- No treatment-related AEs or DLTs were observed



$$T_{max} = 4 \text{ hrs}$$
  
 $t_{1/2} = ^24 \text{ hrs}$ 

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# ARV-471 is a potential first- and best-in-class ER degrader for ER+ locally advanced or metastatic breast cancer



### Strong clinical profile<sup>1</sup>:

- Early evidence of ER degradation in the Phase 1 dose escalation
- No DLTs; dose escalation continues
- Dose-proportional pharmacokinetics



Superior ER degradation and tumor inhibition in preclinical studies



Fast-to-market strategy with potential indication in 2L+ ER+/HER2- mBC



Potential expansion to 1L ER+ breast cancer (~50k patients) in combination with CDK4/6i

Next ARV-471 update anticipated Q4 2020





## For recently introduced targets, PROTAC® protein degraders are likely to differentiate from other drug modalities

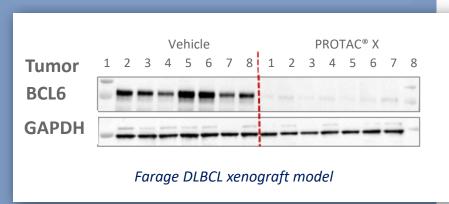
Target	Differential Biology Based on the Tenets of PROTAC® Degraders	
BCL6 Transcription factor implicated in B cell lymphomas	Target scaffolding function of BCL6	Detail
KRAS Oncogenic cell growth regulator	Target "undruggable" KRAS mutants (e.g., G12V, G12D)	
Myc Oncogenic transcription factor driving tumor cell proliferation	Directly degrade "undruggable" Myc vs. other indirect approaches	
HPK1 Suppressor of T cell activation; immuno-oncology target	Address potential scaffolding function	
<b>mHTT</b> Key target for  Huntington's disease	Selectively degrade mutant huntingtin (mHTT) protein	

### Arvinas' BCL6 program is aiming for an oral, best-in-class targeted therapy for B-cell malignancies

### BCL6

- Most B cell lymphomas are dependent on constitutive or deregulated expression of BCL6, a transcriptional repressor of:
  - -Cell cycle checkpoints
  - -Terminal differentiation
  - -Apoptosis
  - -DNA damage response
- PROTAC® degradation would address the scaffolding function of BCL6





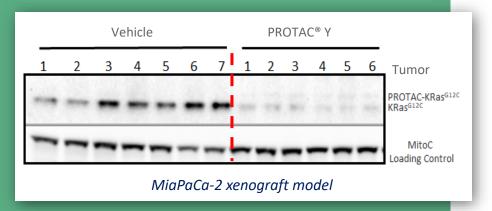
Optimizing in vivo tumor growth inhibition activity and selecting a candidate to take forward with anticipated IND in 2022

### We are taking a comprehensive approach to degrading KRAS

### **KRAS**

- KRAS is the most frequently mutated gene in human cancer and is a classic "undruggable" target due to its lack of deep "pockets"
- We are creating pan-KRAS mutant, in addition to mutant-specific (e.g., G12D and G12V), degraders
- As a proof of concept, we have successfully developed in vivo active KRAS G12C-specific PROTAC® degraders

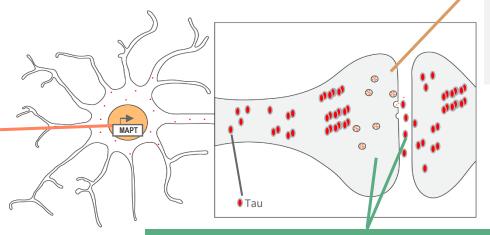
### Six hours after a single dose, PROTAC® Y degraded >80% of KRAS G12C in vivo



Leveraging learnings from KRAS G12C development to accelerate other KRAS degraders' development with anticipated IND in 2023

## Mutant-specific PROTAC® degraders may reduce intra- and extracellular tau, creating a strong opportunity in neuroscience

PROTAC degraders may overcome the limitations of other platforms, including antisense oligonucleotides (ASO) and monoclonal antibodies (Ab)



#### Ab

- Blocks only extracellular pathologic tau
- IV dosing results in only 0.5% in CSF

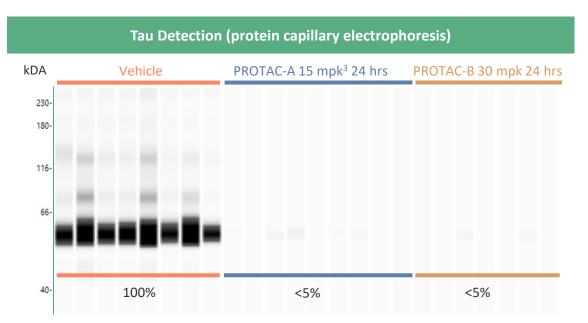
#### **ASO**

- Degrades mRNA, impacting intra- and extracellular tau
- Does not discriminate between wild type and pathologic tau
- Requires intrathecal dosing

#### **PROTAC** Potential

- Reduce intra- and extracellular pathologic tau
- Discriminate between wild type and pathologic tau
- Oral administration with BBB biodistribution

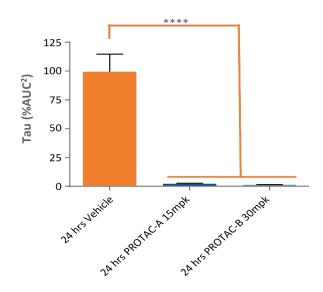
## *In vivo,* tau-directed PROTAC® degraders eliminate >95% of pathologic tau in the brain following parenteral administration



#### 24 hours post dose:

- >95% of pathologic tau is degraded
- No significant change in total soluble tau 24 h post dose (data not shown)

#### Pathologic tau in Tg2508<sup>1</sup> mouse cortex





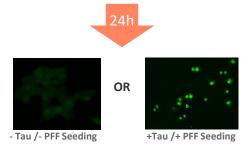
### Tau-directed PROTAC® protein degraders inhibit ex-vivo tau seeding

#### **Tau Seeding Reporter Assay**



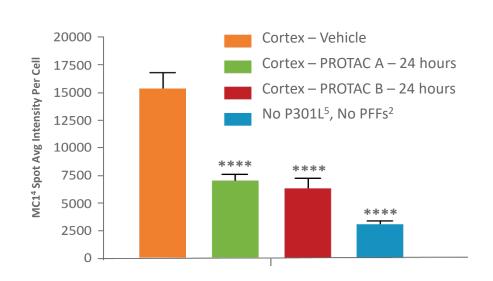
Tau Seed (Pre-formed fibrils<sup>2</sup> or Cortex Lysates<sup>3</sup>)

Modified from Holmes et al., 2014



Dox-inducible Tau P301L CHO-K11

#### PROTAC Treatment Inhibits Tau Seeding *ex-vivo*<sup>4</sup>



<sup>1</sup> Tau P301L CHO-K1 is a cell line expressing a doxycycline-inducible tau mutation linked to FTDP-17 (frontotemporal dementia and parkinsonism linked to chromosome 17). 2 Pre-formed fibrils (PFFs) are used to "seed" tau aggregation. 3 Cortex lysates are from Tg2508 mice. 4 MC1 is an antibody that detects a pathologic conformation of tau. 5 "No P301L," no doxycycline induction.

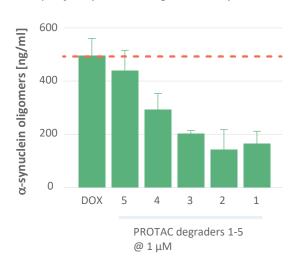




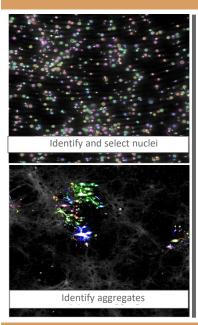
# Oligomer-specific PROTAC® molecules degrade human $\alpha$ -synuclein aggregates in primary rat neurons

## PROTAC molecules degrade oligomeric α-synuclein species

PROTAC degraders were identified that specifically remove oligomeric  $\alpha$ -synuclein

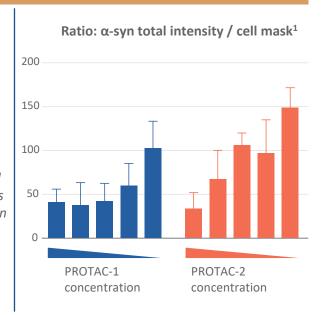


PROTAC-1 and PROTAC-2 degrade  $\alpha$ -synuclein aggregates in primary rat neurons expressing human  $\alpha$ -synuclein



Neuronal αsynuclein +PFF induction assays<sup>1</sup>

Intensity and area features of α-synuclein aggregates calculated



1 Assay is of primary rat neurons expressing A53T human  $\alpha$ -synuclein, with pre-formed fibrils (PFF) added or not. In the absence of  $\alpha$ -synuclein-specific PROTAC degraders,  $\alpha$ -synuclein forms aggregates induced by PFFs (green fluorescence in cellular images). When PROTAC degraders specific for oligomeric  $\alpha$ -synuclein are added, the ratio of oligomeric  $\alpha$ -synuclein:cell mask (background fluorescence) is decreased (right panel).





## Arvinas is 170+ colleagues strong and growing, benefitting from the experience and resources of the Connecticut biotech sector

#### Mission

We invent PROTAC® protein degraders designed to destroy disease-causing proteins and improve the lives of patients suffering from cancer, neurological disorders, and other serious diseases



#### **Core Values**

Pioneering, Excellence, Community, & Commitment

#### People

- 170+ highly experienced drug development professionals in New Haven, Connecticut
- 200+ FTEs at contract research organizations

#### **Bioscience in Connecticut**

- 39,000 employees across 2,500 companies<sup>1</sup>
- Strong academic base for R&D partnerships





### \$243 Million

Cash, cash equivalents, and marketable securities (as of 6/30/20)



#### Guidance

Expect cash, cash equivalents, and marketable securities to fund planned operations into 2022



### 39.2 Million

Common shares outstanding (as of 7/24/20)



### **Analyst Coverage<sup>1</sup>**

BMO, Cantor, Citibank, Evercore, Goldman Sachs, Guggenheim, HC Wainwright, Oppenheimer, Piper Sandler, Roth, Wedbush

1 The foregoing list includes the names of all brokerage firms known by the company as of 10/12/20 to have analysts covering the company. This list may not be complete and is subject to change as firms add or delete coverage. Please note that any opinions, estimates or forecasts regarding the company made by these analysts are theirs alone and may not represent the opinions, estimates or forecasts of the company.



# Arvinas 2024 Vision: Ascending to new heights in bringing the benefits of PROTAC® degraders to patients



### Integrated biotech poised for launch

- First PROTAC degraders proven to benefit patients in registrational studies
- Sustainably nominating ≥1 clinical candidate per year
- Our PROTAC Discovery Engine delivering candidates with tissue- and disease-specific degradation
- Completing build-out of the resources and capabilities to bring PROTAC therapeutics to market

Proved the Concept of Our PROTAC Discovery Engine

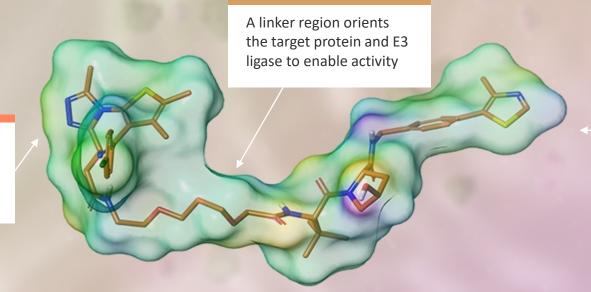
**Built Arvinas' Foundation as a Pioneer in Protein Degradation** 





### What is a PROTAC® protein degrader?

A <u>pro</u>teolysis-<u>targeting chimera</u> (PROTAC) degrader is a chimeric, modular small molecule engineered to induce the degradation of disease-causing proteins by the ubiquitin-proteasome system



Protein ligand domain ("warhead") targets a specific protein

All three regions of the PROTAC degrader play a role in the specificity and potency of target degradation

Ligase ligand

ubiquitin ligase

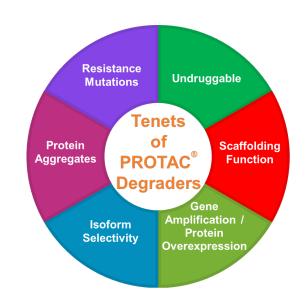
recruits a

specific E3

# Our target selection strategy is designed to build the optimal portfolio of PROTAC® protein degraders

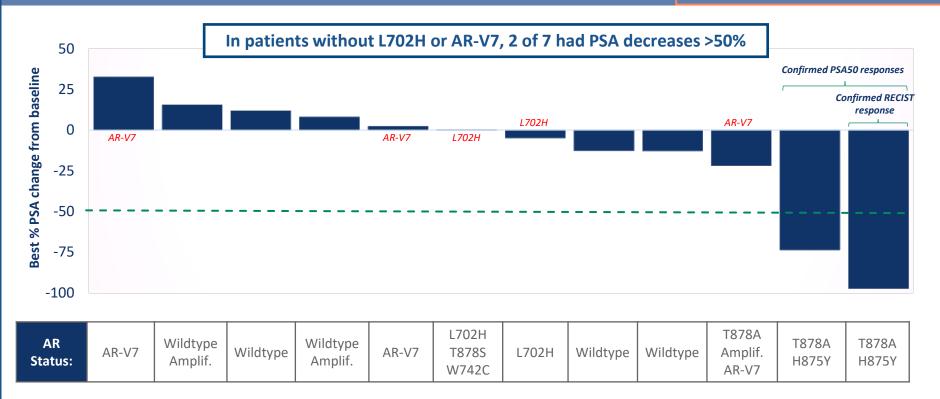
### **Guiding principles for our portfolio strategy**

- Focus on targets where degradation of the diseasecausing protein will result in differential biology and patient outcomes versus other modalities
- Build on our established expertise and capabilities in oncology, immuno-oncology, and neuroscience
- Create a diversified, risk-balanced portfolio of validated and undruggable targets



## AR biomarker status and best % PSA change in patients at ≥140 mg (excludes DLT patient; N=12)<sup>1</sup>

Data as presented at ASCO 2020 and as of 4/20/20



<sup>&</sup>lt;sup>1</sup>One patient discontinued after 2 weeks due to DLT associated with rosuvastatin; AR status based on assays from Epic Sciences, Foundation Medicine (RUO), and OHSU/KDL

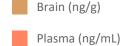


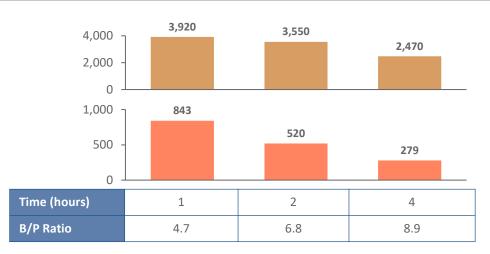
# PROTAC® degraders can be engineered to cross the blood-brain barrier (BBB)

- Micromolar rodent brain exposure achieved after peripheral (IV) administration
- Brain-to-plasma ratio >0.5 achievable with PROTAC degraders

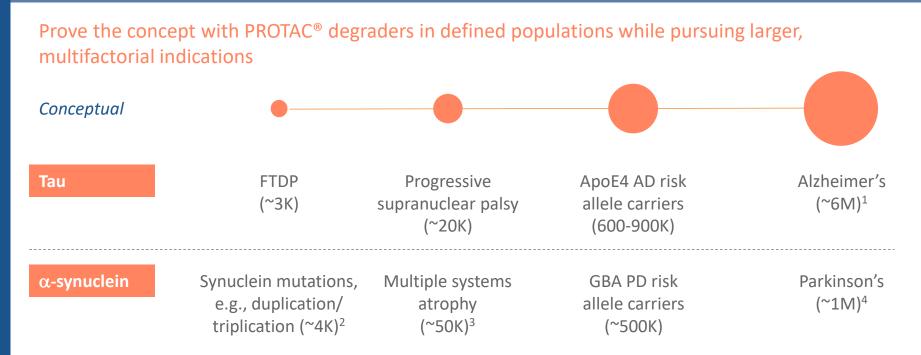
PROTAC	Species	Dose (mg/kg)	[Plasma 1h] (ng/ml)	[Brain 1h] (ng/g)	B/P ratio
1	mouse	10	309	227	0.8
2	mouse	10	843	3920	4.7
3	mouse	10	285	1425	5.0

Over a 4-hour time course, PROTAC degraders are more durable in the brain than in plasma





## Arvinas' approach in neuroscience reduces risk while proving the concept of protein degradation



FTDP, frontotemporal dementia and parkinsonism; GBA, glucocerebrosidase gene; AD, Alzheimer's disease; PD, Parkinson's disease 1 Alzheimer's Association: "2019 Alzheimer's Disease Facts and Figures" video; https://www.alz.org/alzheimers-dementia/facts-figures



<sup>2</sup> Kowal. Movement Disorders 2013, 28: 311-319; Nishioka. Intechopen 2011

 $<sup>3\</sup> NINDS; https://www.ninds.nih.gov/Disorders/Patient-Caregiver-Education/Fact-Sheets/Multiple-System-Atrophy$ 

<sup>4</sup> Parkinson's Foundation: http://parkinson.org/Understanding-Parkinsons/Causes-and-Statistics/Statistics

## Seasoned leadership with expertise in advancing novel technologies

#### **Leadership Team**



John G. Houston, PhD President & CEO



Matthew Batters, JD

VP Bus. Development & Counsel







**Angela Cacace, PhD**VP Neuro and Platform Biology



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Sean Cassidy, CPA, MBA Chief Financial Officer







John A. Grosso, PhD VP Chemistry, Mfg. & Controls





Marcia Dougan Moore, MPH SVP Strategic Operations







Ronald Peck, MD
Chief Medical Officer





Larry Snyder, PhD ED Medicinal Chemistry







**Ian Taylor, PhD** *Chief Scientific Officer* 



Randy Teel, PhD VP Corporate Development







Ste VP

Steve Weiss VP Human Resources



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