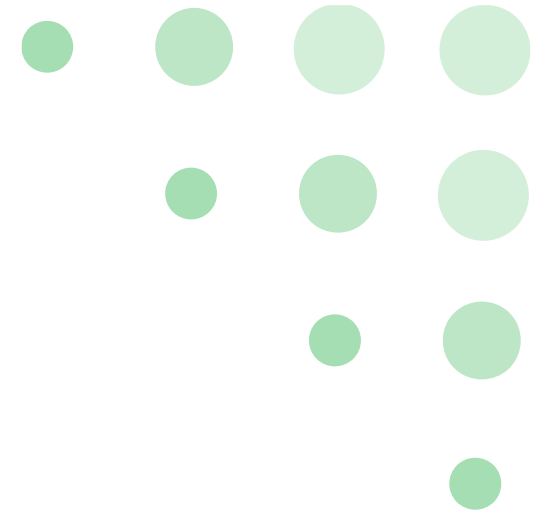


# Fourth Quarter 2020 Results Call Corporate Update & Financial Results

February 25, 2021



# Forward-Looking Statements

BioCryst's presentation may contain forward-looking statements, including statements regarding future results, unaudited and forward-looking financial information and company performance or achievements. These statements are subject to known and unknown risks and uncertainties which may cause our actual results, performance or achievements to be materially different from any future results or performances expressed or implied in this presentation. You should not place undue reliance on the forward-looking statements. For additional information, including important risk factors, please refer to BioCryst's documents filed with the SEC and located at <http://investor.shareholder.com/biocryst/sec.cfm>

# Agenda

- ◆ Corporate Update:

Jon Stonehouse – President and Chief Executive Officer

- ◆ Global ORLADEYO™ (berotralstat) Launches:

Charlie Gayer – Chief Commercial Officer

Megan Sniecinski – Chief Business Officer

- ◆ BCX9930 Update

Dr. Bill Sheridan – Chief Medical Officer

- ◆ Financial Update

Anthony Doyle – Chief Financial Officer

- ◆ Summary and Q&A



# Corporate Update:

Jon Stonehouse

President and Chief Executive Officer

# Significant Upcoming Milestones in 2021

## Q1 2021

✓ **Approval** decision on ORLADEYO in Japan (January 2021)

**Data** from completed BCX9930 dose ranging study in PNH (R&D Day: March 22)

## Q2 2021

**Approval** decision on ORLADEYO in EU

**Revenues** reported from Q1/first full quarter of ORLADEYO sales in US

**Launch** of ORLADEYO in Japan

**Launch** of ORLADEYO in Germany

## Q3 2021

**BCX9930 Advanced Development Trials**

**BCX9250 Next Steps**

**ORLADEYO REVENUES**

## Q4 2021



# **Global ORLADEYO™ (berotralstat) Launches:**

Charlie Gayer – Chief Commercial Officer

Megan Sniecinski – Chief Business Officer

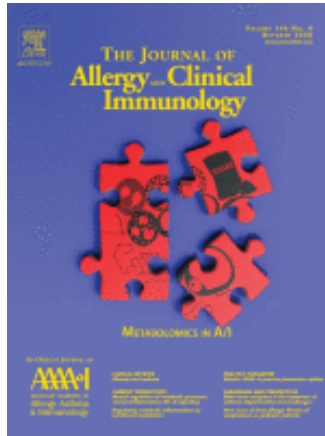
# Now Available: Orladeyo™

**Orladeyo™**  
(berotralstat) capsules 150 mg



# Recent and Upcoming Publications Support Launch

## APeX-2 Trial



## APeX-J Trial



## 2021 American Academy of Allergy, Asthma & Immunology (AAAAI) Annual Meeting

February 26-March 1, 2021.

### Oral Abstract Presentation:

- *Bertralstat Reduces Use of On-demand Medication in Hereditary Angioedema (HAE) Patients Previously Treated with Prophylactic Therapies*

### Posters:

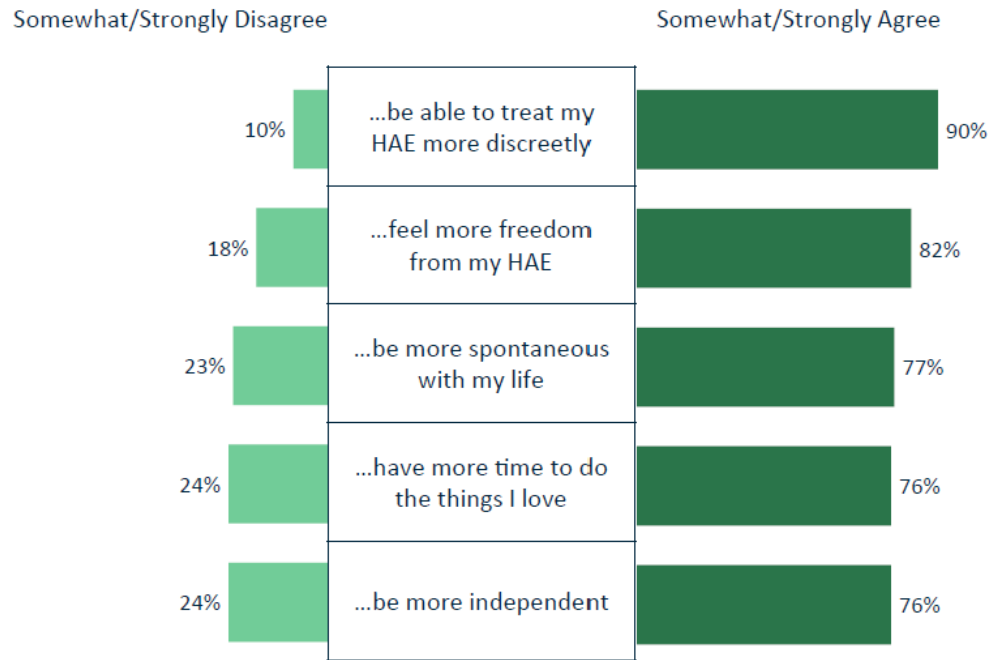
- *Chart Audit Study: Physician-Reported Hereditary Angioedema Attacks for Patients on Prophylactic Treatments*
- *Bertralstat Consistently Demonstrates Reductions in Attack Frequency in Hereditary Angioedema (HAE) Irrespective of Baseline Attack Rate: Subgroup Analysis from the APeX-2 Trial*
- *Reduction in Attacks in Hereditary Angioedema (HAE) with Bertralstat is Consistent Regardless of Prior Prophylactic Treatment: A Subgroup Analysis of the Phase 3 APeX-2 Trial*



# Significant Burden of Treatment Reported by Patients, Caregivers, and Treating Physicians

## Patient perspective:

*If I were prescribed a once daily pill to prevent (prophylaxis) HAE attacks, I would\*...*

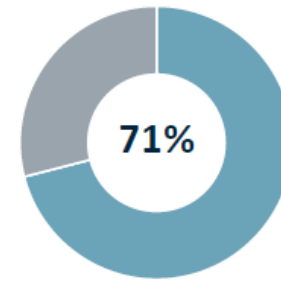


Agreement with statements regarding a once-daily oral HAE medication (n = 75)

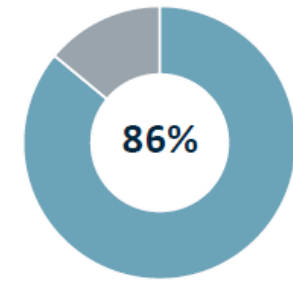
Radojicic et al., ACAAI 2020, Poster #160

## Caregivers perspective: How patients perceive their prophylactic treatment

[Patient] is tired of his/her infusions/injections  
% of caregivers who somewhat/strongly agree\*

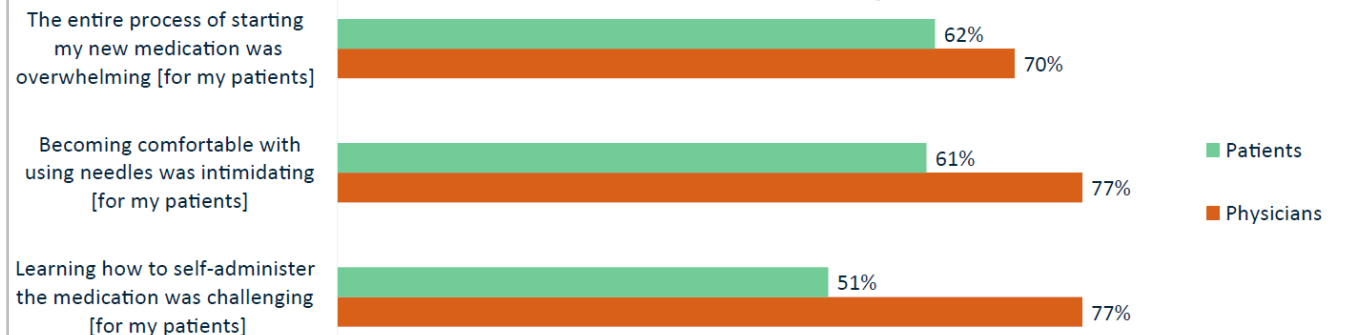


[Patient] is satisfied with his/her current HAE treatment, but would still be interested in one that is easier to administer  
% of caregivers who somewhat/strongly agree\*



Craig et al., ACAAI 2020, Poster #161

## Physician and patient perceptions about starting HAE prophylaxis:



Percentage of respondents who somewhat/strongly agree\*\*

Riedl et al., ACAAI 2020, Poster #162

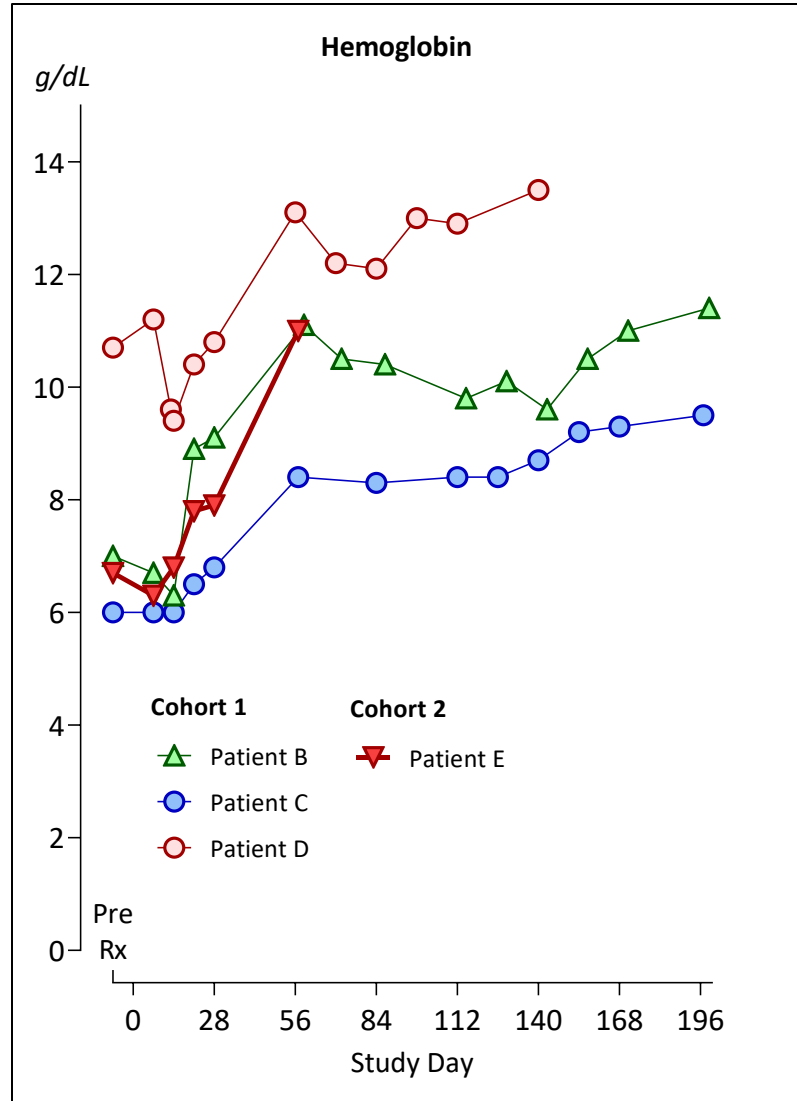
Cross-sectional study conducted via three double-blinded surveys with HAE patients (n=75), caregivers (n=30) and physicians (n=109)



## Clinical Update:

Dr. Bill Sheridan – Chief Medical Officer

# Meaningful Changes in Key Biomarkers Indicating Control of Hemolysis



Patient	Duration at 400 mg BID	Hemoglobin g/dL		RBC Clone Size % of Granulocyte Clone Size		# of Transfusions @ 200/400 mg
		Pre-Rx	Most Recent	Pre-Rx	Most Recent	
▲ B	56 days	7.0	11.4	42%	100%	0
● C	57 days	6.0	9.5	53%	97%	0
○ D	56 days	10.7	13.5	60%	87%	0
▼ E	43 days	6.7	11.0	36%	92%	0
<b>Mean</b>	<b>53 days</b>	<b>7.6</b>	<b>11.4</b>	<b>48%</b>	<b>94%</b>	<b>0</b>

- Mean increase in Hb from baseline of 3.8 g/dL
- Hb maintained at 400 mg BID without RBC transfusions
- Mean RBC PNH clone size relative to granulocyte clone size increased to 94% from 48% pre-Rx

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# BCX9930 has been Safe and Well Tolerated in PNH Patients

## Overall Safety

- No discontinuations due to related AEs
- No BCX9930-related serious AEs or safety signals
- No safety signals in routine monitoring of vital signs, ECGs, or laboratory evaluations of hematology, coagulation, urinalysis, or clinical chemistry

## Adverse Events

- The most common drug-related TEAE was mild-moderate headache lasting 1-3 days
- Two patients had mild rash that resolved during continued uninterrupted BCX9930 dosing
- One unrelated serious AE\*

*Study is ongoing – preliminary data as reported 9/30/20.*

*\*Unrelated SAE previously reported, primary disseminated VZV infection in a non-immune subject taking corticosteroids, fatal.*

# Q1 Data Readout and Next Steps for BCX9930

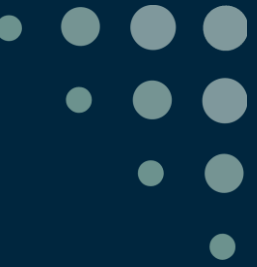
## Phase 1 dose-ranging trial in PNH has fully enrolled

- Data from total of 16 patients
- Duration of treatment up to >48 weeks
- Both treatment-naïve patients (n=10) and C5 inadequate responders (n=6)
- Data from 15 patients treated at doses of 400 mg bid or 500 mg bid for at least six weeks
- Data to be announced at R&D Day on March 22<sup>nd</sup>
  - Plan to report range of clinical and laboratory outcomes, biomarkers and safety data

## Next Steps

- Begin (2H 2021) pivotal trials in PNH patients at selected dose level
- Begin (2H 2021) PoC trial(s) in patients with renal complement-mediated diseases at same selected dose

**Goal in PNH: BCX9930 as oral monotherapy for all PNH patients**



## Financial Update:

Anthony Doyle— Chief Financial Officer

# Cash position (in millions) and 2021 Financial Outlook

Cash, cash equivalents, restricted cash & investments at December 31, 2019	\$138
Cash, cash equivalents, restricted cash & investments at December 31, 2020 <sup>A</sup>	\$303
Senior credit facility <sup>B</sup>	\$125

A – Reflects net cash received in December 2020 from Royalty Pharma and Athyrium Capital Management following transaction-related fees and payoff of prior MidCap debt

B - From Athyrium Capital Management, \$125M interest-only for 5-year term

**In the launch period for ORLADEYO, the company is not providing specific revenue or operating expense guidance. Based on our expectations for revenue, operating expenses, and our option to access an additional \$75 million from our existing credit facility, we believe our current cash runway takes us into 2023.**

# Thank You...

## Questions and Answers

