

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

**FORM 8-K**

**CURRENT REPORT**  
Pursuant to Section 13 or 15(d)  
of the Securities Exchange Act of 1934

Date of Report (date of earliest event reported): November 12, 2024

**Bicara Therapeutics Inc.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

001-42271  
(Commission  
File Number)

85-2903745  
(I.R.S. Employer  
Identification Number)

116 Huntington Avenue,  
Suite 703 Boston, MA 02116  
(Address of principal executive offices and zip code)

(617) 468-4219  
(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol	Name of each exchange on which registered
Common Stock, \$0.0001 par value	BCAX	The Nasdaq Global Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 12b-2 of the Exchange Act.

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

**Item 2.02 - Results of Operations and Financial Condition.**

On November 12, 2024, Bicara Therapeutics Inc (the “Company”) issued a press release announcing its financial results and business highlights for the third quarter of fiscal year 2024 ended September 30, 2024. The full text of the press release is furnished as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated herein by reference.

The information set forth under Item 2.02 and in Exhibit 99.1 attached hereto is intended to be furnished and shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934 (the “Exchange Act”) or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933 or the Exchange Act, except as expressly set forth by specific reference in such filing.

**Item 7.01 - Regulation FD Disclosure.**

The Company is furnishing a corporate presentation, attached as Exhibit 99.2 to this Current Report on Form 8-K, which the Company intends to use from time to time in meetings with investors and others beginning on November 12, 2024. The corporate presentation will also be available in the investor relations section of the Company’s website at <https://ir.bicara.com/>.

The information set forth under Item 7.01 and in Exhibit 99.2 attached hereto is intended to be furnished and shall not be deemed “filed” for purposes of Section 18 of the Exchange Act or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933 or the Exchange Act, except as expressly set forth by specific reference in such filing.

**Item 9.01 - Financial Statements and Exhibits**

(d) The following exhibits are being filed herewith:

<u>Exhibit No.</u>	<u>Description</u>
99.1	<a href="#">Press Release of Bicara Therapeutics Inc. dated November 12, 2024</a>
99.2	<a href="#">Corporate presentation of Bicara Therapeutics Inc.</a>
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

**SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized on this 12th day of November, 2024.

**Bicara Therapeutics Inc.**

By: /s/ Claire Mazumdar  
Name: Claire Mazumdar  
Title: Chief Executive Officer



### **Bicara Therapeutics Reports Third Quarter 2024 Financial Results and Provides Business Update**

*On track to initiate FORTIFI-HN01, a pivotal Phase 2/3 trial of ficerafusp alfa in 1L R/M HNSCC*

*Completed upsized initial public offering, raising approximately \$362 million in gross proceeds, with full exercise of the underwriters' option to purchase additional shares*

*Strong financial position with approximately \$521 million in cash and cash equivalents expected to fund operations into the first half of 2029*

**BOSTON, Nov. 12, 2024** – Bicara Therapeutics Inc. (Nasdaq: BCAX), a clinical-stage biopharmaceutical company committed to bringing transformative bifunctional therapies for patients with solid tumors, today announced financial results for the third quarter ended September 30, 2024 and provided a business update.

“The third quarter of 2024 was momentous for Bicara, highlighted by the successful completion of our upsized initial public offering, providing us with a robust balance sheet to continue to advance the development of ficerafusp alfa, our bifunctional EGFR/TGF- $\beta$  inhibitor designed to exert potent anti-tumor activity directly within the tumor microenvironment,” said Claire Mazumdar, PhD, MBA, Chief Executive Officer of Bicara Therapeutics. “We are currently on track to achieve several anticipated milestones, most notably the upcoming initiation of FORTIFI-HN01, a pivotal Phase 2/3 trial of ficerafusp alfa, for the treatment of recurrent/metastatic head and neck squamous cell carcinoma, following encouraging interim Phase 1/1b data and alignment with the FDA on the registrational trial design. Bolstered by our strong financial position with cash runway expected to fund operations into the first half of 2029, we are committed to bringing ficerafusp alfa to patients with head and neck squamous cell carcinoma and other solid tumors as quickly as possible.”

#### **Pipeline Highlights**

Bicara is developing ficerafusp alfa, a first-in-class, dual-action bifunctional epidermal growth factor receptor (EGFR)/transforming growth factor beta (TGF- $\beta$ ) antibody for multiple different solid tumor cancer types.

#### **Planned Pivotal Phase 2/3 Clinical Trial in 1L R/M HNSCC**

- The Company has aligned with the U.S. Food and Drug Administration on the design of FORTIFI-HN01, a pivotal Phase 2/3 trial of ficerafusp alfa in combination with pembrolizumab in 1L (first line) recurrent/metastatic (R/M) head and neck squamous cell carcinoma (HNSCC) and expects to initiate the trial late in the fourth quarter of 2024 or early in the first quarter of 2025.

#### Ongoing Phase 1/1b Clinical Trial in 1L R/M HNSCC

- In an ongoing Phase 1/1b trial, ficerafusp alfa in combination with pembrolizumab has demonstrated clinically meaningful anti-tumor activity, with a 64% overall response rate, 18% complete response rate and median progression free survival of 9.8 months in frontline human papillomavirus (HPV)-negative R/M HNSCC, along with a favorable tolerability profile, as of the April 2024 data cut-off date (presented at the 3rd Hawaii Global Summit on Thoracic Malignancies in June 2024).
- Updated data from an ongoing Phase 1/1b trial is expected at a medical meeting in the first half of 2025.

#### Expansion into Other HNSCC Populations and Solid Tumor Types

- Data from a Phase 1b expansion cohort evaluating ficerafusp alfa in combination with pembrolizumab in second line (2L) or later squamous cancer of the anal canal is expected at a medical meeting in the first quarter of 2025.
- Updated data from a Phase 1b expansion cohort evaluating ficerafusp alfa monotherapy in 2L or later cutaneous squamous cell carcinoma is expected at a medical meeting in the first half of 2025.

#### **Business Highlights**

- In September 2024, Bicara completed its initial public offering (IPO) of 20,125,000 shares of its common stock at a public offering price of \$18.00 per share, including full exercise of the underwriters' option to purchase additional shares, raising gross proceeds of approximately \$362 million, before deducting underwriting discounts, commissions and other offering expenses. Shares began trading on the Nasdaq Global Market under the symbol "BCAX."
- In conjunction with its IPO in September 2024, Bicara appointed its President and Chief Operating Officer, Ryan Cohlhepp, PharmD, as a Director to its Board of Directors.
- In August 2024, Bicara expanded its Board of Directors with the appointments of biopharma industry leaders Mike Powell, PhD, as Chairman of the Board, and Christopher Bowden, MD, as a Director.

#### **Third Quarter 2024 Financial Results**

- **Cash Position:** As of September 30, 2024, Bicara had cash and cash equivalents of \$520.8 million, compared to \$230.4 million as of December 31, 2023. Based on its current operating and development plans, the Company expects that its existing cash and cash equivalents will fund operations into the first half of 2029.
- **Research and Development Expenses:** Research and development expenses were \$15.9 million for the third quarter of 2024, compared to \$6.9 million for the third quarter of 2023. The increase was primarily due to additional costs associated with the Company's ongoing clinical trials to advance ficerafusp alfa.
- **General and Administrative Expenses:** General and administrative expenses were \$4.8 million for the third quarter of 2024, compared to \$2.6 million for the third quarter of 2023. The increase in general and administrative expenses was primarily due to additional personnel costs and professional fees to prepare Bicara to operate as a public company.
- **Net Loss:** Net loss was \$17.5 million for the third quarter of 2024, compared to \$22.8 million for the third quarter of 2023. Net loss for the third quarter of 2023 included a \$13.3 million non-cash expense that represents the change in fair value of Bicara's Series B preferred stock tranche rights liability.

## About Bicara Therapeutics

Bicara Therapeutics is a clinical-stage biopharmaceutical company committed to bringing transformative bifunctional therapies to patients with solid tumors. Bicara's lead program, ficerafusp alfa, is a bifunctional antibody that combines two clinically validated targets, an epidermal growth factor receptor (EGFR) directed monoclonal antibody with a domain that binds to human transforming growth factor beta (TGF- $\beta$ ). Through this dual-targeting mechanism, ficerafusp alfa has the potential to exert potent anti-tumor activity by simultaneously blocking both cancer cell-intrinsic EGFR survival and proliferation, as well as the immunosuppressive TGF- $\beta$  signaling within the tumor microenvironment. Ficerafusp alfa is being developed in head and neck squamous cell carcinoma, where there remains a significant unmet need, as well as other solid tumor types. For more information, please visit [www.bicara.com](http://www.bicara.com) or follow us on LinkedIn or X.

## Forward-Looking Statements

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, as amended, including, but not limited to, Bicara's expectations regarding plans for its current and future clinical trials, the anticipated timing of the initiation of FORTIFI-HN01, Bicara's pivotal Phase 2/3 clinical study, the anticipated timing of dosing patients and receiving data from Bicara's Phase 1/1b expansion cohorts evaluating ficerafusp alfa in combination with pembrolizumab; the expected therapeutic potential and clinical benefits of ficerafusp alfa, including potential efficacy and tolerability, and the timing and success of interactions with and approval of regulatory authority; the anticipated contribution of the members of Bicara's board of directors to its operations and progress; and financial projections and expectations regarding the time period in which our capital resources will be sufficient to fund our anticipated operations including our cash runway, use of capital, expenses and other financial results. The words "may," "might," "will," "could," "would," "should," "plan," "anticipate," "intend," "believe," "expect," "estimate," "seek," "predict," "future," "project," "potential," "continue," "target" and similar words or expressions, or the negative thereof, are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Any forward-looking statements in this press release are based on management's current expectations and beliefs and are subject to a number of risks and uncertainties that are difficult to predict. Factors that could cause actual results to differ include, but are not limited to, risks and uncertainties related to uncertainties inherent in the development of product candidates, including the conduct of research activities and the conduct of clinical trials; uncertainties as to the availability and timing of results and data from clinical trials; whether results from prior preclinical studies and clinical trials will be predictive of the results of subsequent preclinical studies and clinical trials; regulatory developments in the United States and foreign countries; whether Bicara's cash resources will be sufficient to fund its foreseeable and unforeseeable operating expenses and capital expenditure requirements; as well as the risks and uncertainties identified in Bicara's filings with the Securities and Exchange Commission (SEC), including Bicara's upcoming Quarterly Report on Form 10-Q for the quarter ended September 30, 2024 and any subsequent filings Bicara makes with the SEC. In addition, any forward-looking statements represent Bicara's views only as of today and should not be relied upon as representing its views as of any subsequent date. Bicara explicitly disclaims any obligation to update any forward-looking statements. No representations or warranties (expressed or implied) are made about the accuracy of any such forward-looking statements.

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Bicara intends to use its Investor Relations website as a means of disclosing material nonpublic information and for complying with its disclosure obligations under Regulation FD. Accordingly, investors should monitor the Company's Investor Relations website, in addition to following the Company's press releases, SEC filings, public conference calls, presentations, and webcasts.

**Contacts**

**Investors**

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**BICARA THERAPEUTICS INC.**  
**CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS**

*(Unaudited, in thousands except shares and per share data)*

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2024	2023	2024	2023
Operating expenses				
Research and development - related party	\$ 2,310	\$ 2,271	\$ 7,400	\$ 6,511
Research and development	13,554	4,668	36,336	13,544
General and administrative	4,764	2,591	12,016	6,147
Total operating expenses <sup>1</sup>	<u>20,628</u>	<u>9,530</u>	<u>55,752</u>	<u>26,202</u>
Loss from operations	(20,628)	(9,530)	(55,752)	(26,202)
Other (expenses) income				
Interest income	3,147	13	8,715	13
Change in fair value of Series B preferred stock tranche rights liability	—	(13,328)	—	(13,356)
Total other income (expense)	<u>3,147</u>	<u>(13,315)</u>	<u>8,715</u>	<u>(13,343)</u>
Net loss before income taxes	(17,481)	(22,845)	(47,037)	(39,545)
Income tax expense	—	—	(1)	—
Net loss	<u>\$ (17,481)</u>	<u>\$ (22,845)</u>	<u>\$ (47,038)</u>	<u>\$ (39,545)</u>
Net Loss per share, basic and diluted	<u>\$ (1.60)</u>	<u>\$ (38.23)</u>	<u>\$ (11.27)</u>	<u>\$ (70.18)</u>
Weighted-average number common shares outstanding, basic and diluted	<u>10,901,138</u>	<u>597,586</u>	<u>4,147,353</u>	<u>563,483</u>
<sup>1</sup> Expenses include the following non-cash stock-based compensation expense				
Research & Development	\$ 1,469	\$ 398	\$ 3,172	\$ 924
General and administrative	562	121	1,044	210
Total stock-based compensation expense	<u>\$ 2,031</u>	<u>\$ 519</u>	<u>\$ 4,216</u>	<u>\$ 1,134</u>



**BICARA THEAPEUTICS INC.**  
**CONDENSED CONSOLIDATED BALANCE SHEETS**

*(in thousands, except shares and per share data)*

	September 30, 2024	December 31, 2023
<b>Assets</b>	<b>(Unaudited)</b>	
Current assets:		
Cash and cash equivalents	\$ 520,758	\$ 230,440
Prepaid expenses and other assets	756	633
<b>Total current assets</b>	<b>521,514</b>	<b>231,073</b>
Property and equipment, net	130	202
Right of use asset – operating lease	414	613
Other assets	2,115	2,094
<b>Total assets</b>	<b>\$ 524,173</b>	<b>\$ 233,982</b>
<b>Liabilities, redeemable convertible preferred stock, and stockholders' equity (deficit)</b>		
Current liabilities:		
Accounts payable	\$ 1,531	\$ 2,142
Accounts payable – related party	431	1,044
Accrued expenses and other current liabilities	10,410	8,053
Accrued expenses and other current liabilities – related party	1,801	3,561
Operating lease liability – current portion	308	285
<b>Total current liabilities</b>	<b>14,481</b>	<b>15,085</b>
Operating lease liability – net of current portion	137	372
Other liabilities	—	17
<b>Total liabilities</b>	<b>14,618</b>	<b>15,474</b>
<b>Total redeemable convertible preferred stock</b>	<b>—</b>	<b>367,277</b>
<b>Total stockholders' equity</b>	<b>509,555</b>	<b>(148,769)</b>
<b>Total liabilities, redeemable convertible preferred stock, and stockholders' equity (deficit)</b>	<b>\$ 524,173</b>	<b>\$ 233,982</b>



# Fighting cancer with precision and power.

*Corporate Presentation | November 2024*



# Forward-Looking Statements

This presentation contains forward-looking statements that involve substantial risks and uncertainties. All statements other than historical factual information are forward-looking statements, including without limitation statements regarding our product development activities for ficerafusp alfa and ongoing clinical trials; the ability of clinical trials to demonstrate safety and efficacy of ficerafusp alfa; the beneficial characteristics, and the potential safety, efficacy and therapeutic effects of ficerafusp alfa; our ability to develop and advance our potential future product candidates and programs; our ability to pursue and execute our strategy for our indications, business, programs and technology; our ability to leverage existing programs and to progress additional programs; the timing of investigational new drug application submissions; our and our collaborators' ability to protect our intellectual property for our products; our ability to enter into future license agreements and collaborations; regulatory developments; and our ability to attract and retain key scientific and management personnel. In some cases, you can identify forward-looking statements because they contain words such as "may," "might," "will," "would," "shall," "should," "expects," "plans," "anticipates," "could," "intends," "target," "projects," "contemplates," "believes," "estimates," "looks," "seeks," "predicts," "potential," "ongoing," or "continue" or the negative of these words or other similar terms or expressions that concern our expectations, strategy, plans or intentions, although not all forward-looking statements are accompanied by such words. Forward-looking statements are based on assumptions and assessments made by our management in light of their experience and perceptions of historical trends, current conditions, expected future developments and other factors they believe to be appropriate, and speak only as of the date of this presentation.

Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or other events to be materially different from any future results, performance or other events expressed or implied by the forward-looking statements. Given these uncertainties, you should not place undue reliance on forward-looking statements. Our actual future results, performance or other events may be materially different from what we expect. Except as required by law, we assume no obligation to update these forward-looking statements, or to update the reasons actual results could differ materially from those anticipated in these forward-looking statements, even if new information becomes available in the future. Factors that could cause actual results to differ from those predicted in our forward-looking statements include, among others, risks and uncertainties related to product development, including delays or challenges that may arise in the development and regulatory approval of our current and future product candidates or programs; uncertainties as to the availability and timing of results and data from preclinical and clinical studies; the timing of and our ability to submit and obtain regulatory clearance for investigational new drug applications, initiate additional clinical trials, and submit new drug applications or biologics license applications; our ability to initiate and complete our current and expected clinical trials; our ability to establish and maintain collaborations, strategic relationships and supply arrangements, or that we will not realize the intended benefits from such relationships or arrangements; whether our cash resources will be sufficient to fund our foreseeable and unforeseeable operating expenses and capital expenditure requirements; our ability to raise additional funding on favorable terms, or at all; the rate and degree of market acceptance and clinical utility of our product candidates; the ability and willingness of our third-party collaborators to continue research and, development and manufacturing activities relating to our product candidates; the accuracy of our data analyses or estimates for the potential and market for our products; our ability, and the ability of our collaborators, to protect our intellectual property and to conduct activities for the development and commercialization of our candidates in view of third party intellectual property positions; our financial performance; our ability to retain and recruit key personnel, as well as the potential contribution of our employees and board to our growth and success as a Company; developments and projections relating to our competitors or our industry; changes in general economic conditions and global instability, in particular economic conditions in the markets on which we or our suppliers operate; changes in laws and regulations; and those risks and uncertainties identified in our filings with the Securities and Exchange Commission (SEC), including under the heading "Risk Factors" in our most-recently filed Quarterly Report on Form 10-Q, and such other risks and uncertainties that may be described in subsequent filings we may make with the SEC.

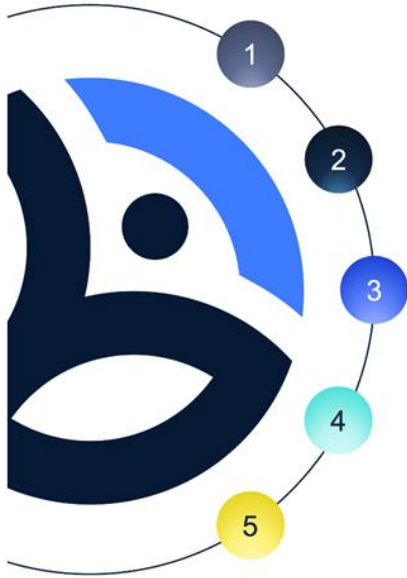
You should not rely upon forward-looking statements as predictions of future events or performance, or as a representation or warranty (express or implied) by us or any other person that we will achieve our objectives and plans in any specified time frame, on such specified terms, or at all. Although our management believes that the expectations reflected in our statements are reasonable, we cannot guarantee that the future results, performance or events and circumstances described in the forward-looking statements will be achieved or occur. New risks and uncertainties may emerge from time to time, and it is not possible to predict all risks and uncertainties. Except as required by applicable law, we do not plan to publicly update or revise any forward-looking statements contained herein.

Market data and industry information used throughout this presentation are based on management's knowledge of the industry and the good faith estimates of management. We also relied, to the extent available, upon management's review of independent industry surveys and publications and other publicly available information prepared by a number of third-party sources. All of the market data and industry information used in this presentation involves a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates. Although we believe that these sources are reliable as of their respective dates, we cannot guarantee the accuracy or completeness of this information, and we have not independently verified this information. Projections, assumptions and estimates of our future performance and the future performance of the industry in which we operate are necessarily subject to a high degree of uncertainty and risk due to a variety of factors. These and other factors could cause results to differ materially from those expressed in our estimates and beliefs and in the estimates prepared by independent parties.

This presentation discusses potential future product candidates that are investigational only and have not yet been approved for marketing by the U.S. Food and Drug Administration. No representation is made as to the safety or effectiveness of these potential future product candidates for the use for which such potential future product candidates are being studied.

# Bicara Therapeutics Investment Highlights

Advancing ficerafusp alfa – a bifunctional EGFR-directed antibody x TGF- $\beta$  ligand trap



**Ficerafusp alfa + pembrolizumab offers a potential new chemo-free 1L therapy for HPV-negative R/M HNSCC that may meaningfully improve upon current standard of care**

**Potential registration-enabling Ph. 2/3 trial expected to begin by end of 2024 or early 2025; potential accelerated approval pathway in combination with pembrolizumab based on an interim ORR analysis**

**Significant market opportunity with ~23,000 cases of R/M HNSCC annually in the U.S. and a significant unmet need for better treatment options (13% 5yr survival)**

**Opportunity to expand into other squamous cell carcinomas and solid tumors, with encouraging clinical activity observed in Ph. 1b expansion cohorts to date**

**Seasoned and driven management team with a strong track record of execution; robust financial position with ~\$521M in cash and cash equivalents, including ~\$362M in gross proceeds from upsized IPO, expected to fund operations into the first half of 2029**

# Bicara Therapeutics is led by a seasoned and energetic management team



**Claire Mazumdar, Ph.D., MBA**  
Chief Executive Officer



**Ryan Cohlhepp, Pharm.D.**  
President & Chief Operating Officer



**Ivan Hyep, MBA**  
Chief Financial Officer



**Lara Meisner, J.D.**  
Chief Legal Officer



**David Raben, M.D.**  
Chief Medical Officer



**Rachel Salazar, D.H.Sc.**  
SVP, R&D Strategy & Operations



**Jeltje Schulten, M.D., MBA**  
SVP, Clin. & Med. Affairs



**Sathish Hasige, Ph.D.**  
SVP, Technical Ops & Supply Chain



**Jean-Paul Rodrique**  
SVP, Quality



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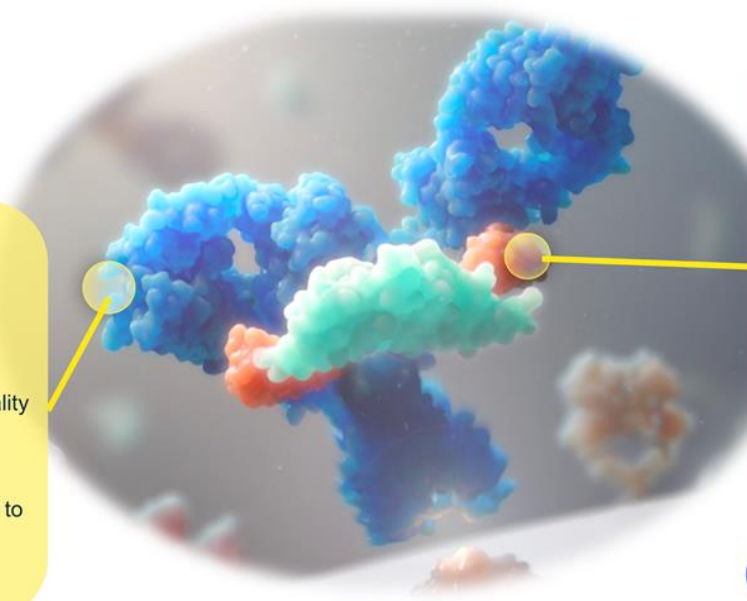
★ Improve tolerability

★ Improve anti-tumor activity

#### Action 1

##### Targeting EGFR

- 1. Direct anti-tumor effect**
  - Inhibits EGFR signaling, killing cells
  - Maintains ADCC functionality to EGFR+ cells
- 2. Drives tumor targeting**
  - Localizes TGF- $\beta$  inhibition to the TME



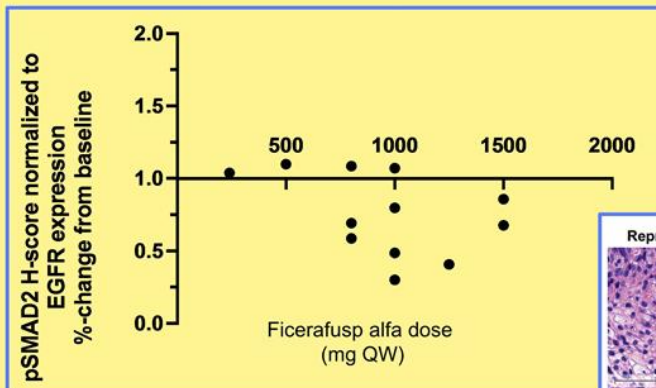
#### Action 2

##### Trapping TGF- $\beta$

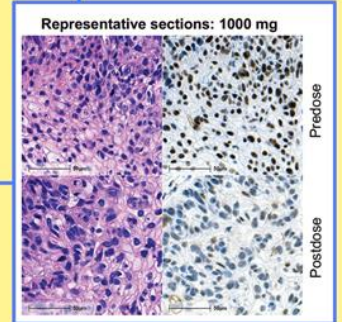
- 1. Improves immune response (anti-PD-1 Synergies)**
  - Relieves immune suppression by blocking Tregs and MDSCs, and repolarizing macrophages
  - Blocks cancer associated fibroblasts, reducing fibrosis and T-cell exclusion
- 2. Enhances EGFR inhibition (anti-EGFR Synergies)**
  - Prevents known EGFR resistance mechanism (via epithelial-mesenchymal transition or EMT)

★ Increase depth and duration of response

Statistically significant inhibition of tumor TGF- $\beta$  observed at ficerafusp alfa doses >750mg via pSMAD2 levels



*First definitive demonstration of pSMAD2 knockdown in patient tumors by a TGF- $\beta$  inhibitor*



**Dose Expansion**

# Ficerafusp alfa dose expansion strategy driven by strong biologic rationale for the dual inhibition of both EGFR and TGF- $\beta$

Based on preliminary efficacy and safety & tolerability data, **1500mg QW ficerafusp alfa** was chosen as recommended dose to take into dose expansion cohorts

*MTD was not reached*



## Dose Expansion

### ficerafusp alfa monotherapy

2L+ CSCC  
 $n = 12 + 25^*$

ficerafusp alfa – 1500mg QW

### ficerafusp alfa + pembrolizumab

R/M 1L HNSCC  
 $n = 13 + 26^*$

2L+ SCAC

ficerafusp alfa – 1500mg QW

*\*Simon 2-stage design*

Enrollment complete



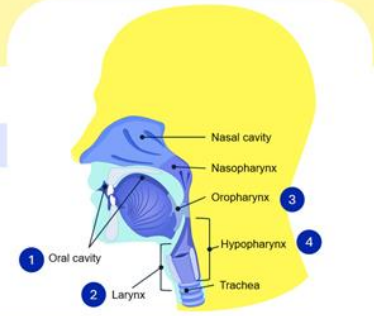
## Overview of head & neck cancers

- Head and neck cancer accounts for **~4% of all cancers in the U.S.**
- **Squamous cell carcinomas represent ~90% of H&N**
- Oropharyngeal lesions are typically **tested for HPV**
  - **HPV-positive** caused by HPV infection
  - **HPV-negative** typically caused by smoking and chewing tobacco **represents 80% of HNSCC in the R/M setting and carries a worse prognosis vs. HPV-positive**
- **Treatment decisions are guided by CPS or PD-L1 expression** and options are limited to cetuximab, anti-PD1, chemotherapy

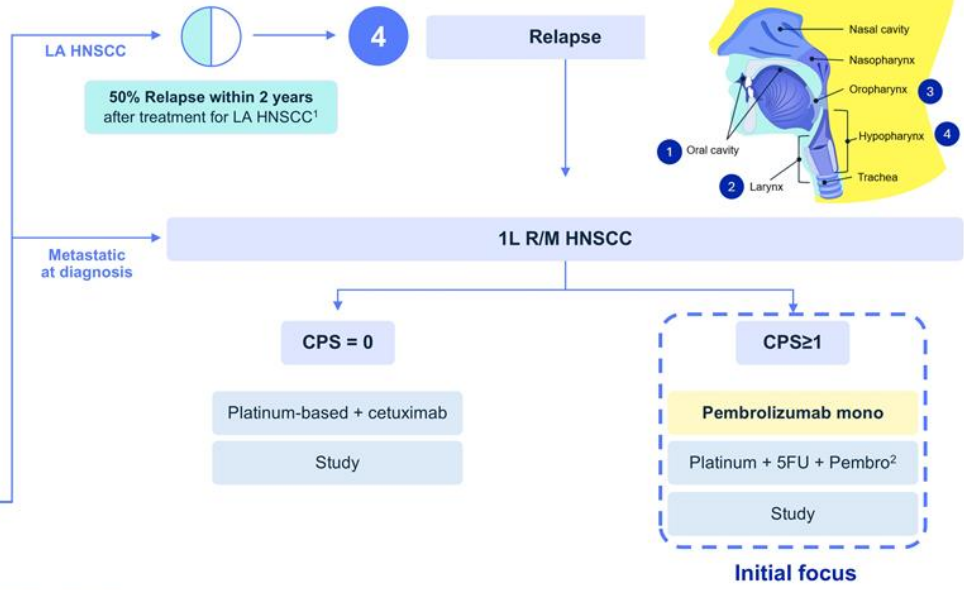


Sources: Cancer.net, Cleveland Clinic (2022); SEER 2012-2018 data; Cerner (2022); Bedi et al. Mol Cancer Ther. 2012; Acta Otorhinolaryngol Ital. 2020; KeyNote-048 ph.3 trial; ASCO (2022); DRG HNSCC (2019)

# Market Opportunity The patient journey in HNSCC



- 1 Symptoms**  
 Patient presents to primary care/ENT with symptoms:  
 Pain, swallowing difficulty, mucosal bleeding, asthenia, weight loss
- 2 Testing and Staging**  
 Work-up may include:  
 Laryngoscopy, biopsy, imaging (CT scan, MRI)  
 HPV/p16 testing in Oropharynx  
**Diagnosis of cancer**
- 3 MDT & Treatment**  
 Multi-disciplinary (med-onc, rad-onc, surgeon) decision:  
**Locally Advanced HNSCC:**  
 Curative-intent surgery and/or chemo-radiation  
**M1 disease:** palliative treatment & Molecular testing: PD-L1 CPS



LA = Locally advanced  
 1. HNSCC population who relapse <6 months after CRT receive nivolumab as 1L treatment  
 2. Choice of pembro + chemo (platinum + 5FU) is at the physician's discretion and is typically more common in the CPS<20 group and/or rapidly progressing disease.

### Action 2 Trapping TGF- $\beta$

#### 1. Improves immune response (anti-PD-1 Synergies)

- Relieves immune suppression by blocking Tregs and MDSCs, and repolarizing macrophages
- Blocks cancer associated fibroblasts, reducing fibrosis and T-cell exclusion

### Two ISTs exploring anti-PD-1 + cetuximab help inform ficerafusp alfa registration path

#### Sacco, et al 2021

THE LANCET  
Oncology

##### Design

- Open-label, single-arm
- Phase 2 in 1L R/M HNSCC (n=33)
- **Cetux + pembro**

##### Efficacy Data:

- ORR = 48%
- CR = 3%
- mPFS = 6.5 months
- mOS = 18.4 months

#### Chung, et al 2022

CLINICAL  
CANCER  
RESEARCH

##### Design

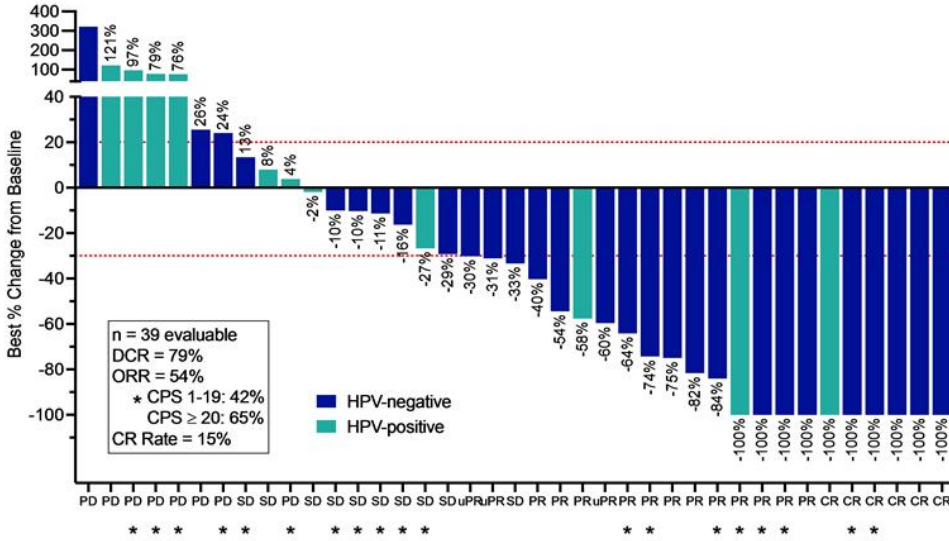
- Open-label, single-arm
- Phase 1/2 in 1L R/M HNSCC (n=43)
- **Cetux + nivo**

##### Efficacy Data:

- ORR = 37%
- CR = 2%
- mPFS = 6.2 months
- mOS = 20.2 months

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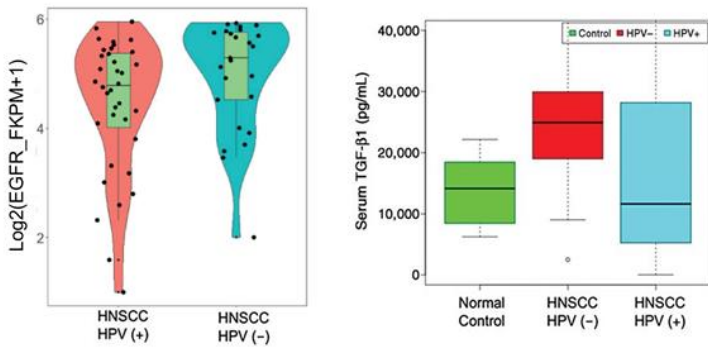
Ficerafusp alfa + pembrolizumab demonstrates compelling preliminary activity and depth of response in 1L R/M HNSCC regardless of HPV status



- ficerafusp alfa + pembro expansion in R/M HNSCC**
- **Population**
    - 1L R/M HNSCC
    - Oral cavity, oropharynx, hypopharynx & larynx
    - HPV testing required for oropharyngeal cancer
    - CPS≥1
  - **54% (21/39) ORR in CPS≥1 patients**
    - Historical<sup>1</sup> pembro mono ~19% ORR
  - **15% (6/39) CR Rate in CPS≥1 patients**
    - 4 additional patients with -100% PRs\*\*

Note: Out of 42 patients, 3 patients were non-efficacy evaluable. Best overall response (investigator-assessed according to RECIST (Response Evaluation Criteria in Solid Tumors) version 1.1). CPS=combined positive score, CR=complete response, DCR=Disease Control Rate, HPV=human papilloma virus, ORR=Overall response rate, PR=partial response, uPR=unconfirmed partial response, SD=stable disease

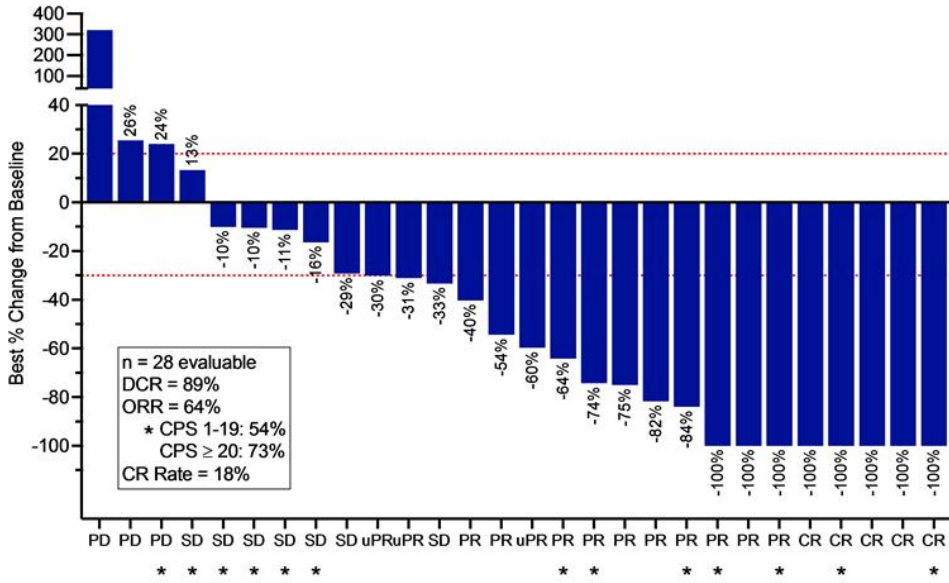
\*\* May still have nodal disease

Overexpression of EGFR and TGF- $\beta$  in HNSCC

HPV-negative disease demonstrates distinct biological and mutational features correlated with a poor prognosis

- HPV-negative disease is etiologically distinct from HPV-positive disease and associated with:
  - Increased EGFR expression compared to HPV-positive HNSCC patients
  - Elevated levels of TGF- $\beta$ 1 in serum
  - High rate of therapeutic resistance (including to anti-PD-1 checkpoint inhibitors)
  - High tumor burden and symptomatic disease

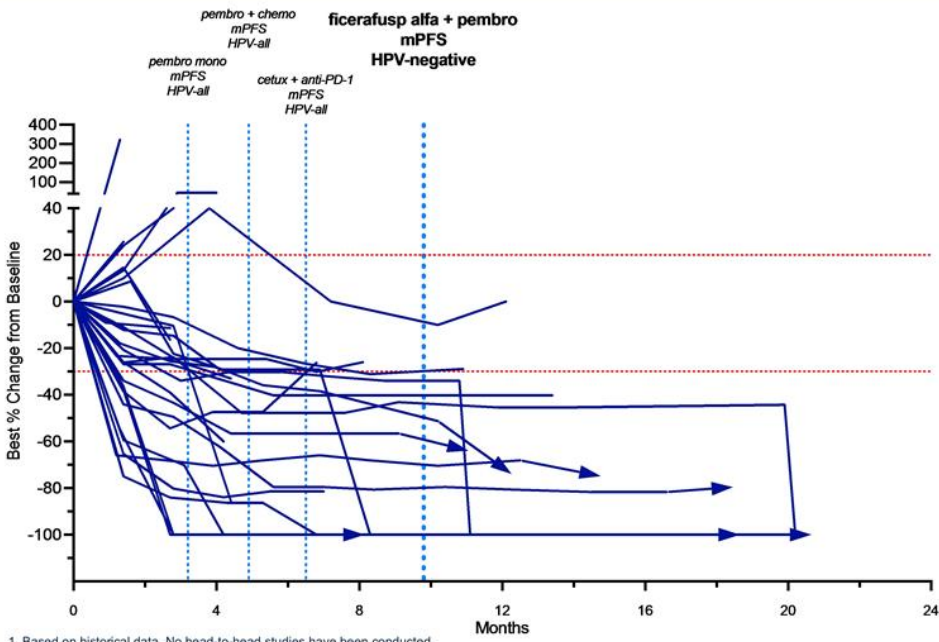
# Ficerafusp alfa + pembrolizumab demonstrates significantly improved activity and depth of response in HPV-negative CPS≥1 1L R/M HNSCC



### In HPV-negative patients:

- 64% (18/28) ORR observed, CPS≥1 patients
  - Historical<sup>1</sup> pembro mono expected to be ~19% ORR
  - 15/18 confirmed responses
- High response rates in subgroups that are typically refractory to checkpoint therapy:
  - 70% (14/20) ORR in patients with locoregional disease involvement
  - 54% (7/13) ORR in CPS low (1-19)
- 18% (5/28) Complete Response (CR) rate
  - Pembro and pembro + cetux have historically<sup>1</sup> achieved a ~3-5% CR rate

Note: Best overall response (investigator-assessed according to RECIST (Response Evaluation Criteria in Solid Tumors) version 1.1).  
 CPS=combined positive score, CR=complete response, DCR=Disease Control Rate, HPV=human papilloma virus, ORR=Overall response rate, PR=partial response, uPR=unconfirmed partial response, SD=stable disease  
 1. Based on historical data. No head-to-head studies have been conducted.



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- Median PFS of 9.8 months in HPV-negative subgroup
  - 57% (16/28) of pts with PFS>6 months
- Median duration of response (DOR) not yet reached
- Median overall survival (OS) not yet reached

Historical data for pembrolizumab in this population (KEYNOTE-048):  
**mPFS<sup>1</sup>: 3.2 mo** (HPV-pos & HPV-neg)

### ficerafusp alfa + pembro 1L HNSCC safety profile:

- EGFR-related AEs:
  - 76% had dermatitis acneiform, majority are Grade 1-2 in severity
- Hypothesized TGF- $\beta$ -related AEs:
  - Nearly all AEs were transient Grade 1-2 local mucosal bleeds or epistaxis
- No treatment related deaths were reported

### Most common (>10%) related adverse events – summary by preferred term and maximum grade

Preferred term	All 1L R/M HNSCC subjects received 1500mg QW and Pembrolizumab (n=42)		
	All Grades	Grade 3-4	Grade 5
<b>Any Related AE</b>	<b>40 (95%)</b>	<b>17 (40%)</b>	<b>0 (0%)</b>
Dermatitis acneiform	32 (76%)	5 (12%)	0 (0%)
Fatigue	18 (43%)	2 (5%)	0 (0%)
Pruritus	17 (40%)	0 (0%)	0 (0%)
Anaemia	15 (36%)	6 (14%)	0 (0%)
Hypophosphataemia	16 (38%)	0 (0%)	0 (0%)
Hypomagnesaemia	15 (36%)	0 (0%)	0 (0%)
Dry skin	13 (31%)	0 (0%)	0 (0%)
Stomatitis	10 (24%)	1 (2%)	0 (0%)
Infusion related reaction	8 (19%)	1 (2%)	0 (0%)
Hypokalaemia	8 (19%)	0 (0%)	0 (0%)
Nausea	7 (17%)	0 (0%)	0 (0%)
Proteinuria	7 (17%)	0 (0%)	0 (0%)
Epistaxis	6 (14%)	0 (0%)	0 (0%)
Lipase increased	6 (14%)	0 (0%)	0 (0%)
Skin fissures	6 (14%)	0 (0%)	0 (0%)
Decreased appetite	6 (14%)	1 (2%)	0 (0%)
Headache	5 (12%)	1 (2%)	0 (0%)
Rash maculo-papular	5 (12%)	1 (2%)	0 (0%)
Diarrhoea	5 (12%)	0 (0%)	0 (0%)
Aspartate aminotransferase increased	5 (12%)	0 (0%)	0 (0%)
Gingival bleeding	5 (12%)	0 (0%)	0 (0%)



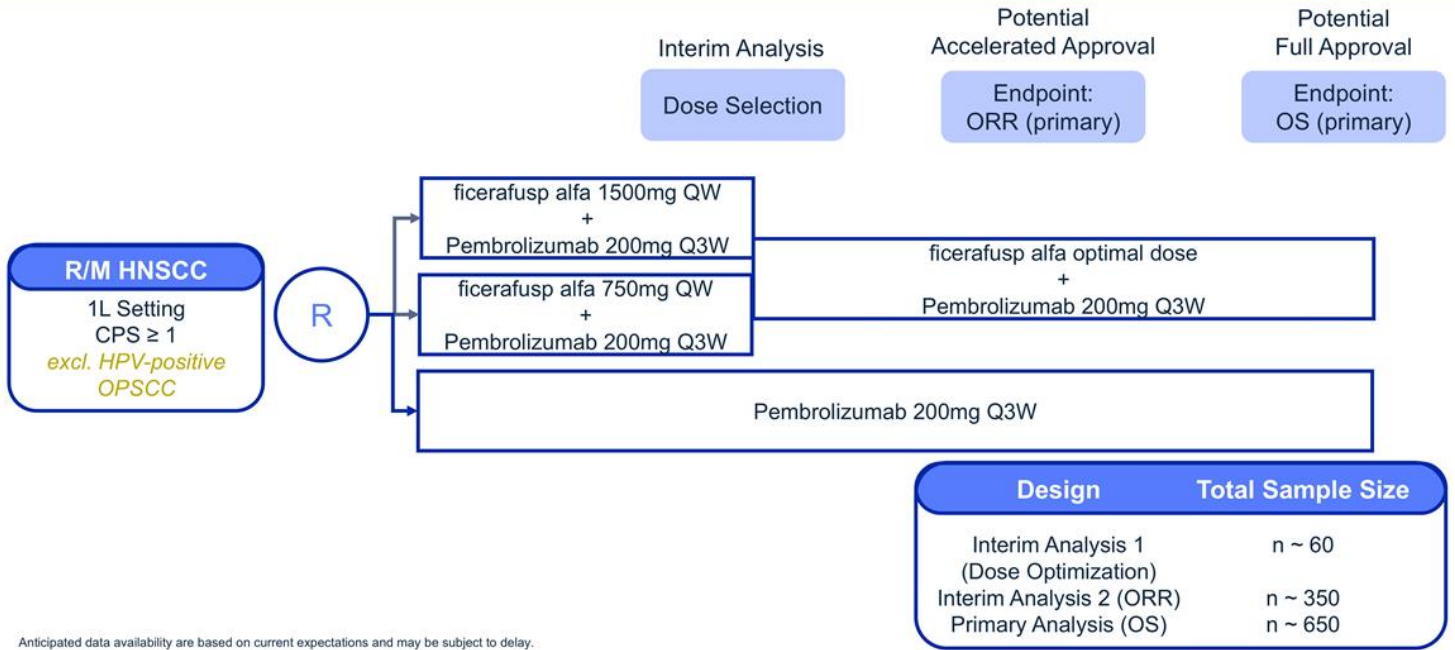
## Ficerafusp alfa has demonstrated a strong clinical profile

- **64% ORR in HPV-negative**, CPS $\geq$ 1 R/M HNSCC in combination with pembro vs. ~19% historical<sup>1</sup> pembro monotherapy
- **18% complete response rate** vs. ~3-5% with available therapies (pembro and pembro + cetux)
- **mPFS of 9.8 months** (vs. 3.2 months for pembro monotherapy in HPV+/-)
- **Generally well tolerated safety profile**

## Alignment with FDA on registrational trial design

Feedback supports potential accelerated approval pathway

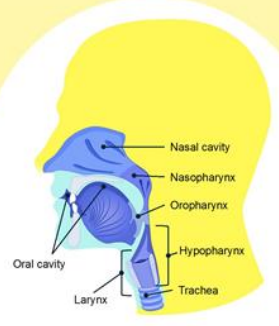
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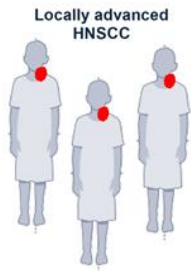
Anticipated data availability are based on current expectations and may be subject to delay.

**Market Opportunity**

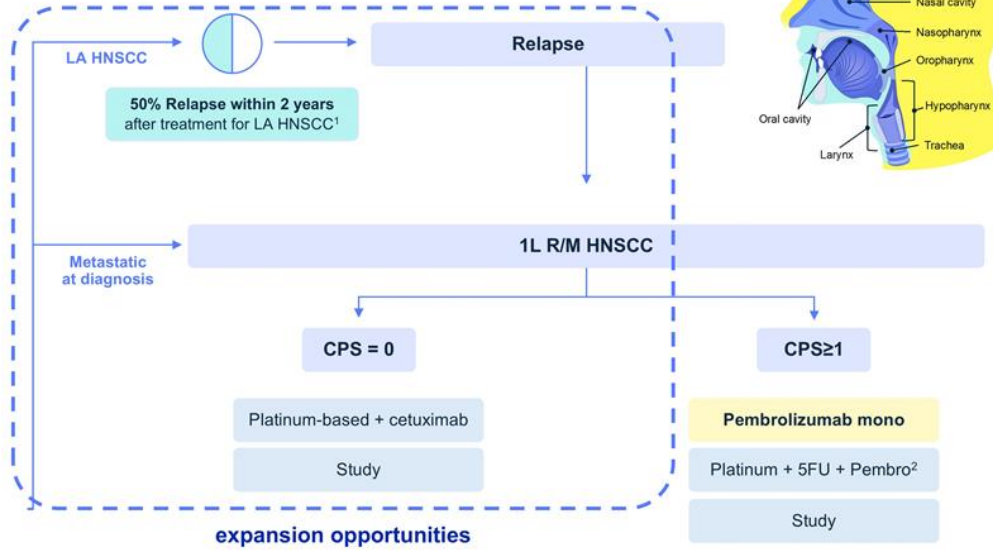
**Advancing to earlier stages of HNSCC represents a significant opportunity for ficerafusp alfa**



**>60K**  
cases / year  
in U.S.



**Recurrent / Metastatic HNSCC**





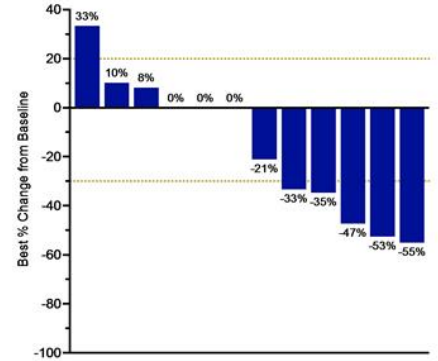
### Other Solid Tumors / Squamous Cell Carcinomas

Potential expansion to areas of EGFR / TGF-β involvement:

- **Cutaneous squamous cell carcinoma (cSCC)** – preliminary 42% ORR (5/12) in 2L+ PD-1-refractory with **ficerafusp alfa monotherapy**
- **Colorectal cancer (CRC)** – cetuximab precedent
- **Squamous cancer of the anal canal (SCAC)**

### cutaneous SCC (cSCC)

ficerafusp alfa monotherapy: 42% ORR across n=12 patients in 2L+ post-PD-1



1L R/M HNSCC  
CPS = 0

**Opportunity:**

- CPS = 0 is roughly 20% of R/M HNSCC
- Significant unmet with only approved treatment = chemo +/- cetuximab
- Data from Ph. 1 dose escalation in combo with pembro in 2L+ HNSCC, PD-1-refractory support activity in patients with CPS=0

**Future Studies**

- Expansion cohort in combination with pembro currently enrolling

Neoadjuvant / locally  
advanced HNSCC

**Opportunity:**

- >60K cases each year in U.S. represents sizeable market opportunity
- Potential to move earlier into treatment for HNSCC and improve long-term outcomes

**Future Studies**

- Designing an initial cohort in combination with pembro in neoadjuvant and locally advanced HNSCC

Cutaneous SCC  
(cSCC)

**Opportunity:**

- ~1M new cases in the U.S. each year; ~2-3% develop metastases<sup>1</sup>
- Initial monotherapy data demonstrates 42% ORR in 2L+ PD-1 refractory patients and supports further exploration

**Future Studies**

- Current monotherapy cohort in 2L+ remains ongoing and continues to enroll patients

CRC

**Opportunity:**

- ~150K new cases in the U.S. each year
- Cetuximab approval in CRC validates EGFR approach

**Future Studies**

- Initiate expansion cohorts in 3L+ colorectal cancer (RAS wild type)

1. Brougham et al., J Surg Oncol. 2012 Dec.  
Sources: American Cancer Society

Focus	Key Achievements
<b>Clinical</b>	<ul style="list-style-type: none"> <li>✓ Showed strong clinical activity of ficerafusp alfa in combination with pembro in <b>HPV-negative</b> 1L R/M HNSCC (<b>64% ORR, 18% CRR, 9.8mos PFS</b>)</li> <li>✓ Demonstrated activity of ficerafusp alfa in other squamous cell carcinomas and solid tumors</li> </ul>
<b>Regulatory</b>	<ul style="list-style-type: none"> <li>✓ Aligned on registrational enabling Ph. 2/3 trial design and established a clear path to FDA approval based on OS, with potential for an accelerated approval upon an interim analysis based on ORR</li> </ul>
<b>FORTIFI-HN01 Ph. 2/3 Trial</b>	<ul style="list-style-type: none"> <li>✓ On track to initiate FORTIFI-HN01, a pivotal Ph. 2/3 trial in HPV-negative 1L R/M HNSCC in late in the fourth quarter of 2024 or early in the first quarter of 2025</li> </ul>
<b>Financial</b>	<ul style="list-style-type: none"> <li>✓ Robust financial position with ~\$521M in cash and cash equivalents, including ~\$362M in gross proceeds from upsized IPO, expected to fund operations into the first half of 2029</li> </ul>

# Fighting cancer with precision and power.

*Corporate Presentation | November 2024*

