

"To Save A Life Is To Save A Universe"

Leveraging Relationships in Ultra-rare Cancers:

the laser-focused approach

Sanjeev Luther, President & CEO August 2021



Safe Harbor Statement

This presentation contains forward-looking statements. These statements relate to future events or the company's future financial performance. In some cases, you can identify forward-looking statements by terminology such as "may", "will", "should", "expect", "plan", "anticipate", "believe", "estimate", "predict", "potential" or "continue", the negative of such terms, or other comparable terminology. These statements are only predictions. Actual events or results may differ materially from those in the forward-looking statements as a result of various important factors. Although we believe that the expectations reflected in the forward-looking statements are reasonable, such statements should not be regarded as a representation by the company, or any other person, that such forward looking statements will be achieved. The business and operations of the company are subject to substantial risks which increase the uncertainty inherent in forward-looking statements. We undertake no duty to update any of the forward-looking statements, whether as a result of new information, future events or otherwise. In light of the foregoing, readers are cautioned not to place undue reliance on such forward-looking statements.



Rafael Pharmaceuticals is Focused on Cancer Metabolism

Rafael Pharmaceuticals is a clinical-stage oncology company focused on selectively targeting cancer metabolic pathways while simultaneously harnessing the immune system

Our Lead Molecule: CPI-613[®] (devimistat) - in multiple clinical trials for different solid tumors and hematological malignancies; encouraging results both as monotherapy and in combination

We Have 7 Orphan Drug Designations in U.S. and 2 in EU

FDA U.S. FOOD & DRUG

- 1. Pancreatic Cancer
- 2. Acute Myeloid Leukemia (AML)
- 3. Myelodysplastic Syndrome (MDS)
- 4. Burkitt's Lymphoma
- 5. Peripheral T-Cell Lymphoma (PTCL)
- 6. Soft Tissue Sarcoma
- 7. Biliary Tract Cancer



- **1. Pancreatic Cancer**
- 2. Acute Myeloid Leukemia (AML)
- 3. Applied for Burkitt's Lymphoma



The Difference Between Orphan and Ultra-orphan

Common Diseases



Disease	No. of cases in U.S.
Hypertension	~108 Mn
Diabetes	~34 Mn

RAFAE L



Orphan / Ultra-orphan Indications – Challenges

AFAE



Orphan / Ultra-orphan Indications – Challenges





Orphan / Ultra-orphan Indications – Challenges





Orphan / Ultra-orphan Indications – Opportunities



KOL: Key Opinion Leader; CAGR: Compound Annual Growth Rate

AFAEL

Relationships Remain Central

- Relationship with front-line clinical researchers, investigators at academic sites
- Finding the specialists who are passionate about rare cancers

- Relationships with the patient advocacy groups: for the development of our drug in Burkitt's lymphoma, we have developed relationship with patient advocacy group and for clear cell sarcoma, we collaborated with Sara's Cure
- Ensuring there is a patient population in the area where we have the trial

Relationships with the regulatory bodies: sharing the need for treatment options with the FDA









Starting from the Top Down for Clear Cell Sarcoma Patients



Top: Patients Patient advocacy group identified research from Japan

Middle: Rafael Connected with patient advocacy group and saw the need

Bottom: FDA Partnership with the

FDA to begin trials





Determining where to point the laser



Orphan / Ultra-orphan Indications: Rafael Advantage





Only company with a study in Burkitt's lymphoma and among few companies with a study in CCS



Collaboration with investigators, sites and patient efficacy groups



Broader/deeper penetration of Phase 3 pivotal studies (PANC & AML) across countries to get right population



Only oncology-focused company with 7 Orphan drug designations





"Extending and enhancing the lives of patients with cancer"





Questions? Submit on Swapcard! Thank You.

