# Corporate Overview January 2021

NASDAQ: BIOC www.biocept.com



# **Forward-Looking Statements**

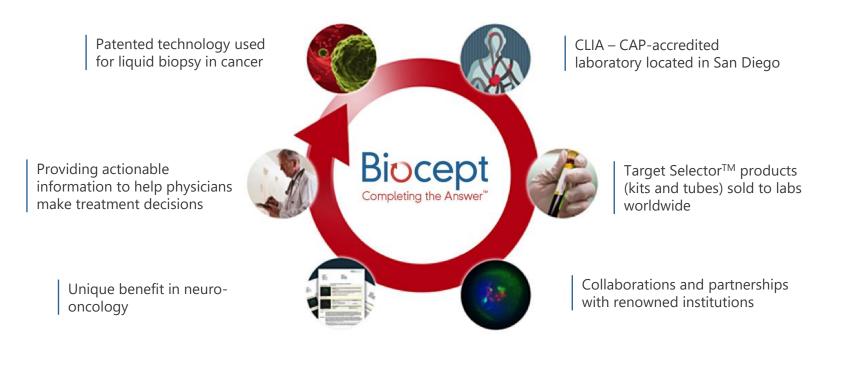
This presentation contains, and any accompanying oral presentation would no doubt contain, forward-looking statements, within the meaning of the Private Securities Litigation Reform Act of 1995, regarding Biocept, Inc. and our business. Forward-looking statements include all statements that are not historical facts and generally can be identified by terms such as anticipates, believes, could, estimates, expects, intends, may, plans, potential, predicts, projects, should, will, would, or the negative of those terms and similar expressions.

Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. For details about these risks, please see our SEC filings.

All forward-looking statements contained in this presentation speak only as of the date hereof, and except as required by law, we assume no obligation to update these forward-looking statements whether as a result of any new information, future events, changed circumstances or otherwise.



# **Corporate Profile**



COVID Strategy around both services and products



# **Investment Highlights**

#### Established Cancer Diagnostics Company with Patented Liquid Biopsy Testing also Providing COVID-19 testing

- San Diego-based CLIA-certified, CAP-accredited, high-complexity lab
- Established business and strong balance sheet position company to weather pandemic

### Liquid Biopsy Market Forecast to Reach in the Billions

- Commercial organization, improving cancer patient outcomes
- Advantages of a simple blood test vs. tissue biopsy (high sensitivity, actionable, rapid results, non-invasive, cost effective)
- Can also be performed on cerebrospinal fluid

#### Test Menu Focused on Actionable Information

- Unique CTC and ctDNA testing platform
- Enables detection and monitoring of clinically validated biomarkers listed in NCCN Guidelines
- Favorable reimbursement cost-effective liquid biopsy testing, fits with healthcare reform goals

## Industry-Leading Test Performance

- Multiple clinical studies, publications, and presentations support Biocept's proprietary Target Selector™ platform
- High concordance tissue biopsy

## Opportunities for Value-Creating Strategic Partnerships

- Current partnerships with industry leading companies
- Potential for U.S. and global transactions
- Commercial and technology partnerships

### Achieved Target Selector<sup>™</sup> Global Sales

- Actively growing Oncology Services business
- Distributed kits and blood collection tubes



# **Biocept COVID-19 Testing**

#### 200,000+ COVID-19 Samples Received for SARS-CoV-2 Testing

- RT-PCR EUA molecular diagnostic platform
- Testing performed in high-complexity, CLIA and BSL-2 safety level lab by licensed molecular lab staff trained to perform COVID-19 testing
- Testing volume ramping up monthly since launch in late June
- Average reimbursement of ~\$100 per sample

## Fast Turnaround Times with Vast Majority of Results Reported in 48 Hours

## Significant Opportunity for COVID-19 Testing

Developing agreements for COVID-19 testing (i.e., expanded agreement with MultiPlan, large skilled nursing chain)

### Ramp Capacity to Meet Demand

- Increased staffing and implemented automation to process additional tests
- Current capacity of 2,000 per day with ability to ramp to more than 10,000 based on demand

## Manufacturing PCR COVID-19 Specimen Kits for Distribution

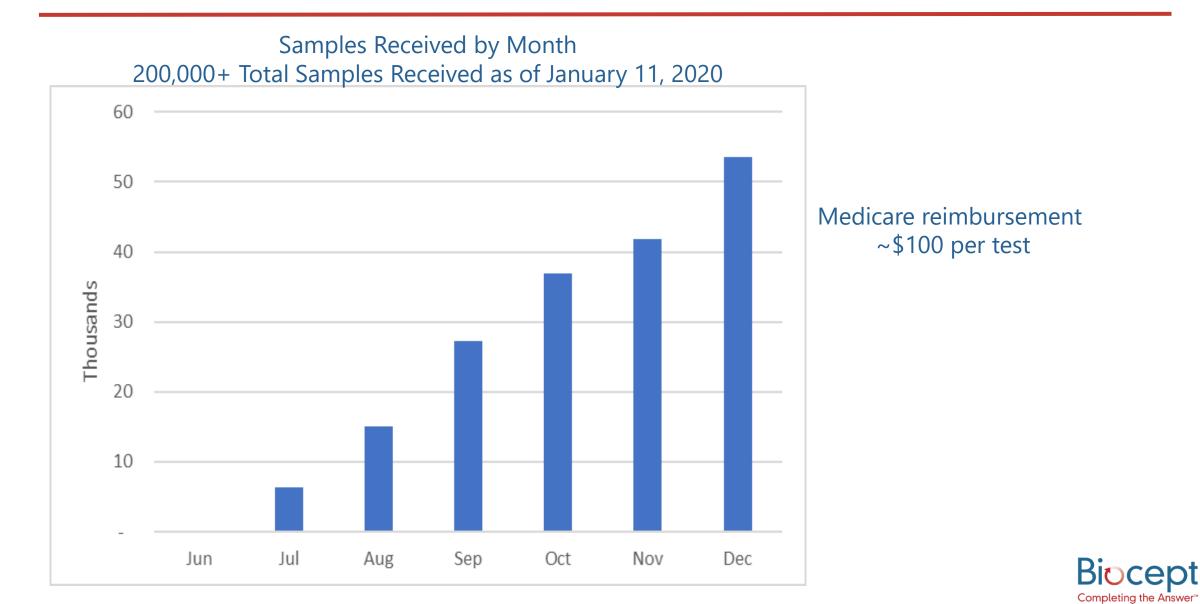
- In-house capability for kit production due to routinely manufacturing materials for oncology testing
- Proactively addressing the specimen collection kit shortage by purchasing materials and assembling in house
- Proprietary collection media being validated with expected availability in 1Q21

### Agreement with Aegea Biotechnologies to Develop Ultra-high Sensitivity COVID-19 Assay

- Utilize patented Switch-Blocker technology
- Could provide superior specificity in detecting asymptomatic patients and identify different strains



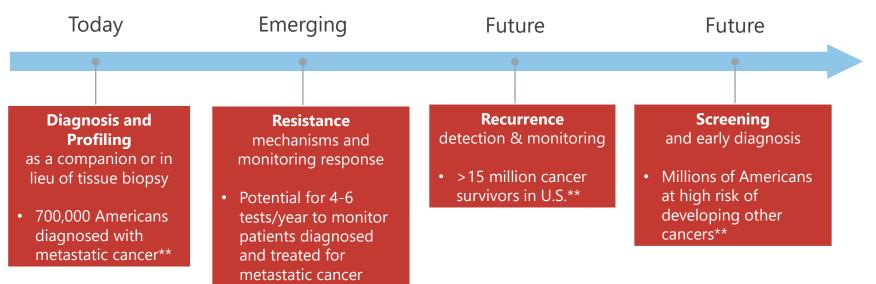
## **COVID-19 Testing Volume**



# Liquid Biopsy Market for Oncology



## Estimated \$17 billion market by 2023\*



Biocept focuses on patients with lung, breast, prostate & colorectal cancers (>45% of all metastatic cancers\*\*)

\*International Liquid Biopsy Market Report, Market Research Future, August 18, 2018

\*\*American Cancer Society: Cancer Treatment and Survivorship 2016-2017

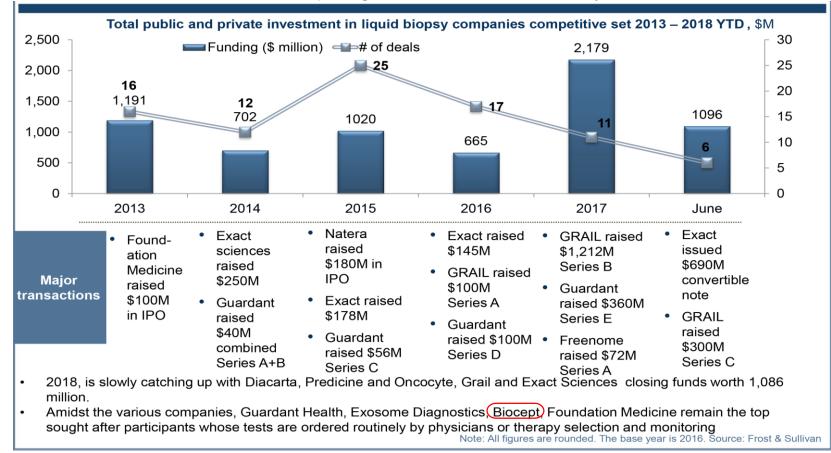


# Investment Continues to Build in Liquid Biopsy & Cancer Diagnostics

 Strong investor interest in liquid biopsy field
 · Growing investments over time (Frost & Sullivan)
 · >\$2 billion invested in 2017

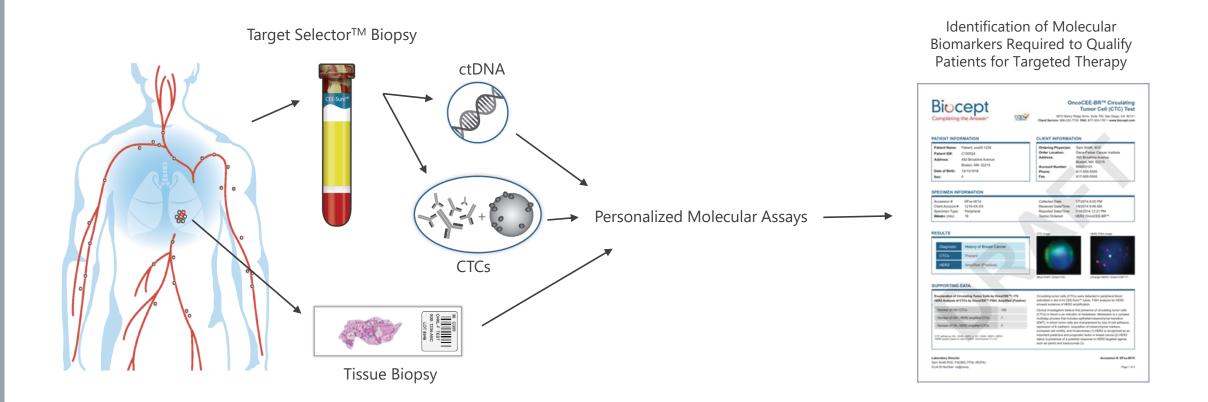
#### **Market Landscape – Investments**

Investor interest based on overall capital raised has remained strong with 2018 surpassing \$1 billion in the first half of the year



Biocept Completing the Answer

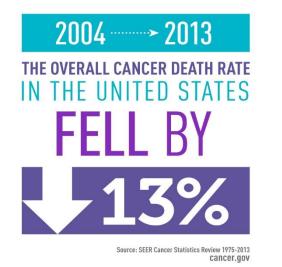
## **Precision Treatment** Molecular Profiling Cancer Biomarkers

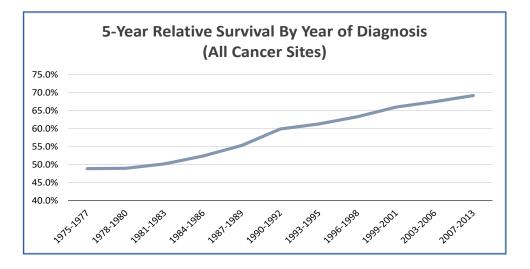




## **Precision Treatment I**

# **Improved Outcomes**

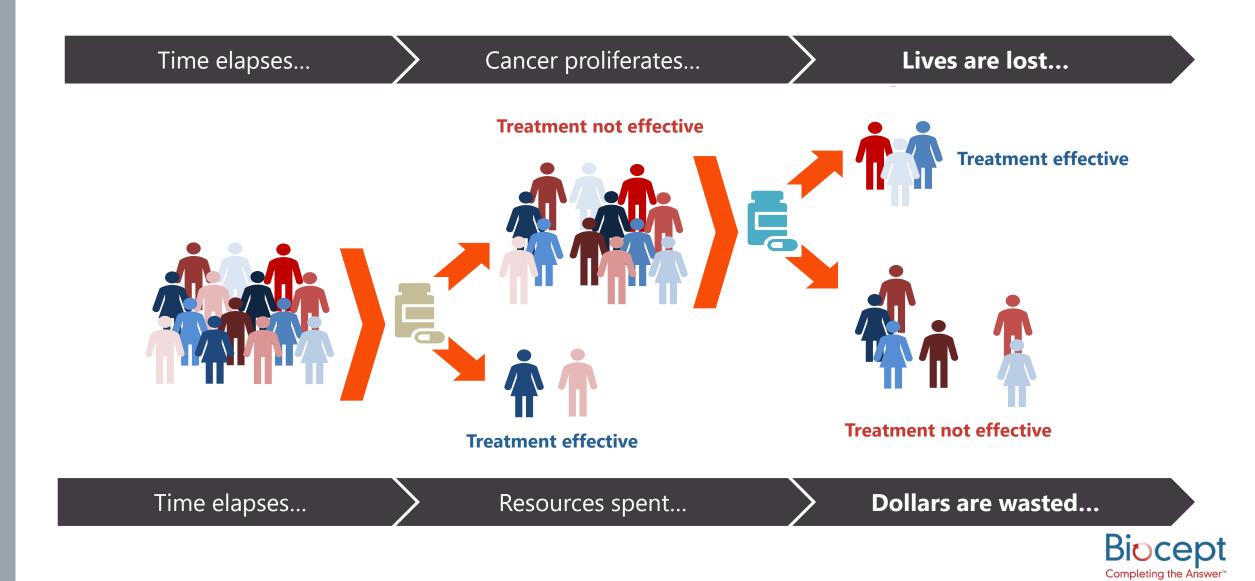






\*NCI Cancer Statistics https://seer.cancer.gov/csr/1975\_2014/browse\_csr.php?sectionSEL=2&pageSEL=sect\_02\_table.08.html

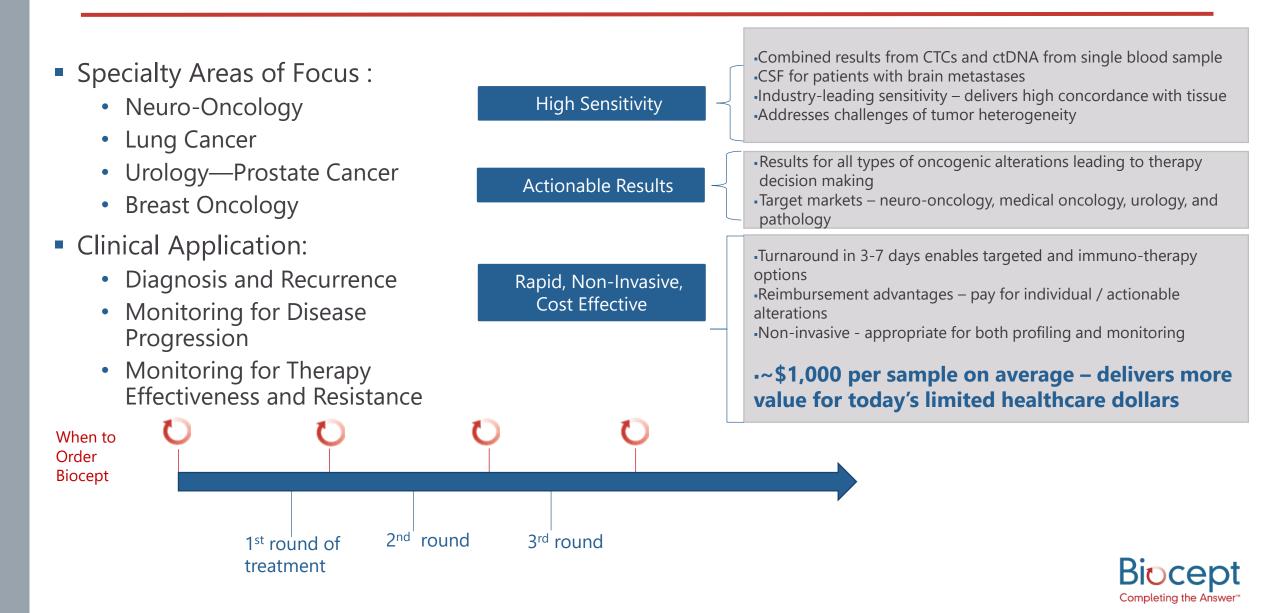




	Advantages	Disadvantages	Cost
Traditional Surgical Biopsy	<ul> <li>Required for diagnosis</li> <li>Considered standard of care</li> <li>Source of cancer (histology)</li> <li>Results for all known oncogenic alterations</li> <li>Analysis of whole cells</li> </ul>	<ul> <li>Invasive – not appropriate for monitoring</li> <li>Risk of adverse events</li> <li>Expensive</li> <li>Often inadequate for complete molecular profiling</li> <li>Only 57% of tissue biopsies have sufficient tissue for analysis</li> <li>Can take as much as 30 days for results</li> <li>Heterogeneity of tumor can lead to false negatives</li> <li>Does not account for evolving cancer over time – snapshot view</li> </ul>	\$15,000 to \$45,000



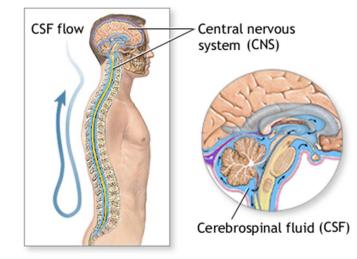
# Target Selector<sup>™</sup> Assays Advantage



# Neuro-Oncology: Biocept Can Now Isolate and Analyze both CTCs and ctDNA from Cerebral Spinal Fluid (CSF)

First-in-Class Liquid Biopsy for Diagnosis of Brain Metastases

- 23% of breast cancer patients have metastasis to the brain; 25% of lung cancer patients have metastasis to the brain
- Identifying markers from a single CSF draw prevents multiple biopsies and provides insight into potential markers for metastases following CNS symptoms from these patients
- o Biomarker identification potentially helps guide therapy
- Utilizes Biocept's core technology and expertise to identify CTCs in CFS to diagnose brain metastasis
- Early data shows 75% improvement vs standard of care cytopathology review for diagnosis of brain metastases and other brain tumors
- o Strategy for high-value reimbursement from CMS once data is generated
- o Clinical study road map
  - Phase I Analytical performance study
  - Phase II Prospective multi-center non-interventional trial



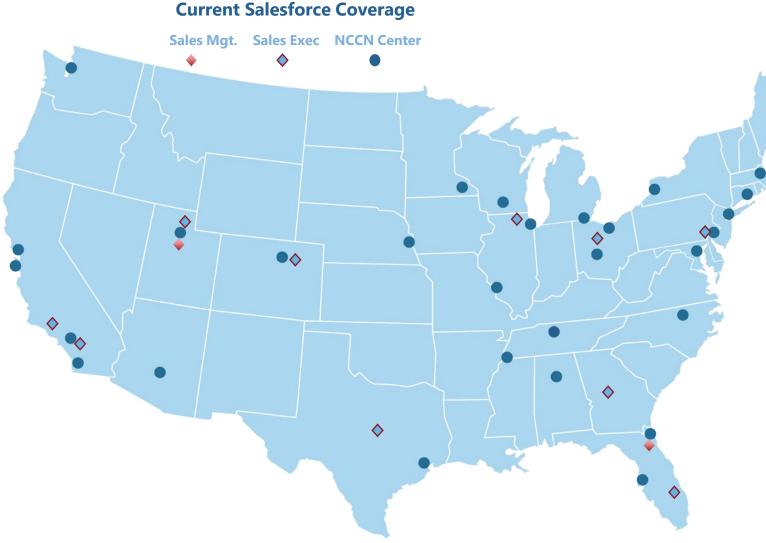


# Health Plan Access Continues to Expand with Third-Party Contracts





# Commercial Strategy – "Team Liquid"



Highly Experienced Commercial Team:

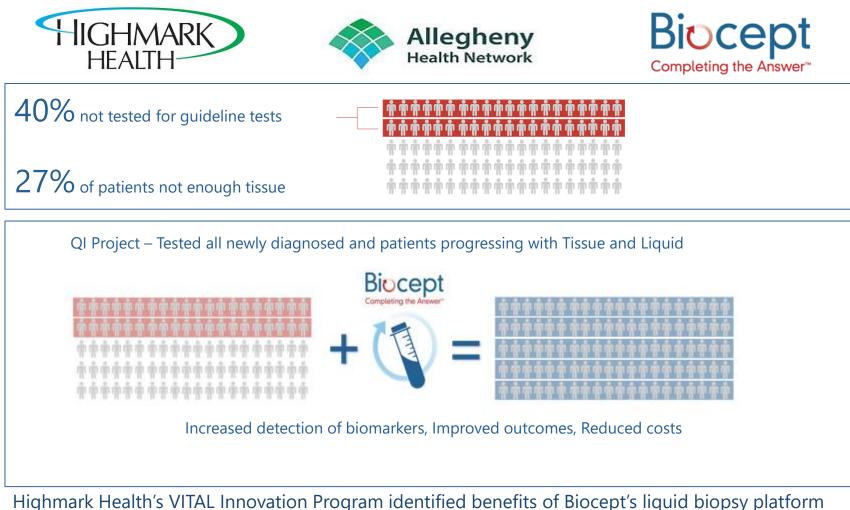
- Small-company Growth Focus
- Neuro-oncology Expertise
- Deep Market Knowledge
- Urology
- Breast Cancer Focus
- Pathology Partnerships
- Contracting and CMS Coverage

## Skill Sets:

- Managed Care
- Marketing
- Sales and Sales Management
- Field Product Managers



Profiling at Diagnosis and Recurrence: Real-World Lung Cancer Treatment Initiative Leads to Agreement with Highmark Health Network



for improving outcomes and lowering costs of treatment for patients with non-small cell lung cancer

Allegheny Health Network's Cancer Institute spearheading the evaluation

https://www.highmarkhealth.org/hmk/newsroom/pr/pressreleases.shtml

Biocept Completing the Answer

# **Commercial Collaborations**



- Executing on strategy to contract with major cancer treatment institutions, GPOs, and distributors
- Increasing patient access
- Accelerating adoption of liquid biopsy
- Leveraging sales and marketing resources by increasing awareness of Biocept's liquid biopsy platform within large health systems
- Roll out new tests and service offerings including molecular pathology partnering model (i.e., Empower TC<sup>™</sup>)
  - Gaining value from data



# Biocept IP Portfolio – 41 Patents Issued Worldwide



Extensive IP portfolio expected to allow Biocept to monetize IP through outlicensing and moving to distributed model based on developing diagnostic kits

Blocept

Completing the Answer

# Leadership Team

		• <b>:</b> •	
<b>Michael Nall</b> President & CEO	<ul> <li>25+ years in healthcare sales, marketing and commercial operations</li> <li>20 years in cancer diagnostics and genomics</li> <li>7 years as Biocept CEO</li> <li>Most recently General Manager N. American Sales and Marketing for Clarient — a GE Healthcare Company</li> </ul>	<b>CLARIENT</b> A GE Healthcare Company	GE Healthcare
		Laboratory Corporation of America	
<b>Tim Kennedy</b> CFO, SVP of Operations	<ul> <li>30+ years of financial experience, 25+ years in the clinical diagnostics industry</li> <li>Instrumental in 2.1B restructuring of Millennium Health, a privately-held urine drug lab</li> <li>Numerous senior management positions – helped transform PLUS Diagnostics into largest independent U.S pathology lab; merged National Health Labs and Roche Biomedical Labs to form LabCorp</li> </ul>	Quest Diagnostics*	MILLENNIUM
<b>Michael Dugan,</b> <b>MD</b> CMO and Medical Director	<ul> <li>Board certified Pathologist</li> <li>Univ of AZ, Yale, UCLA</li> <li>Numerous publications, serves on CAP committees</li> <li>Leadership positions at Exact Sciences, Clinical Genomics, Quest, Genzyme and others</li> </ul>	EXACT SCIENCES	genzyme
		4	
Lyle Arnold, PhD	<ul> <li>Senior R&amp;D leadership at Gen-Probe, Incyte Genomics, Genta</li> <li>Founder/ Co-founder Oasis Biosciences, Molecular Biosystems, Aegea Biotechnologies</li> <li>Former faculty member, UCSD School of Medicine and member, UCSD Cancer Center</li> <li>47 issued US and more than 140 issued and pending patents worldwide</li> </ul>	S GEN-PROBE	
SVP, Chief Scientist		IncyteGenomics	
<b>Michael Terry</b> SVP, Corporate Development	<ul> <li>25+ years commercial leadership experience in molecular diagnostics and med-tech companies</li> <li>Former GE Healthcare executive, certified in Six Sigma</li> <li>Recent experience in liquid biopsy field; EVP commercial operations at both Sequenom and Trovagene</li> </ul>		sequenom
		trovagene 💧	

Biocept Completing the Answer\*

# Biocept is Guided by a Board of Visionaries & Scientific Influencers

#### **Board of Directors**

#### M. Faye Wilson, CPA, MBA

Lead Independent Director and Interim Chair, Chair of Audit Committee, Member of Compensation Committee, Member of Nominating and Governance Committee

#### Ivor Royston, MD

Director, Chair of Science and Technology Committee, Member of Nominating and Governance Committee

#### David F. Hale

Director

#### **Bruce E. Gerhardt, CPA** Director, Member of Audit Committee

#### **Clinical Advisory Board**

#### Lee Schwartzberg, MD

Chief, Division of Hematology Oncology; Professor of Medicine, University of Tennessee

#### David Berz, MD, PhD

Beverly Hills Cancer Center Chief Medical Officer – Valkyrie Pharmaceuticals Beverly Hills, California

#### Santosh Kesari, MD, PhD

Chair, Dept. of Translational Neurooncology and Neurotherapeutics, John Wayne Cancer Institute, Santa Monica, California

#### Marsha A. Chandler, PhD

Director, Chair of Nominating and Governance Committee, Member of Science and Technology Committee

#### Michael W. Nall

Director, President & CEO

#### Bruce A. Huebner

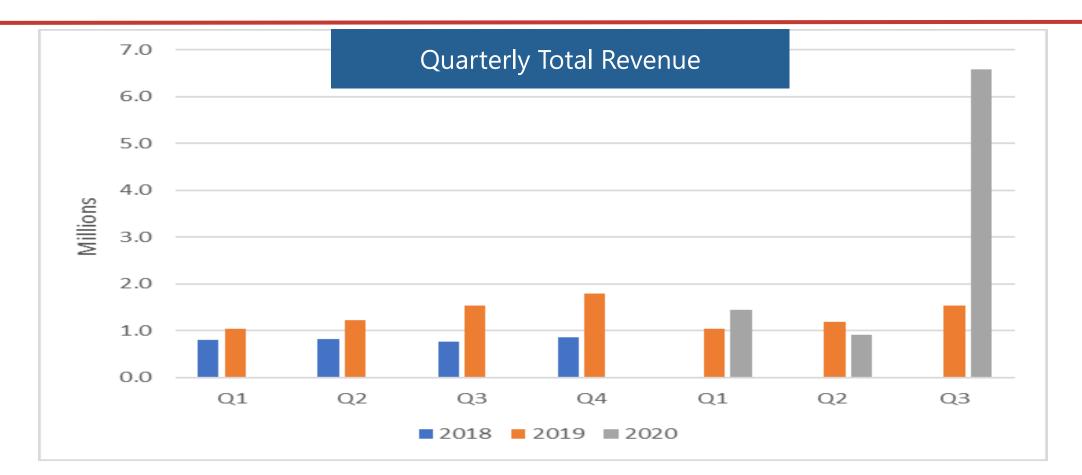
Director, Chair of Compensation Committee, Member of Science and Technology Committee, Member of Audit Committee

#### Samuel D. Riccitelli

Director, Member of Audit Committee, Member of Science and Technology Committee



# Deploying Capital To Fuel Growth



1Q & 2Q 2020 revenues reflect the impact of COVID-19 3Q 2020 revenues reflect the ramp-up of COVID-19 test

\$16.9 million in cash and equivalents at 9/30/20



# **Corporate Priorities**

- Increase market penetration into emerging liquid biopsy segment with a focus on neuro-oncology, urology, breast, and lung cancer treatment segments
- ✓ Grow sales of Target Selector<sup>™</sup> liquid biopsy kits and CEE-Sure<sup>™</sup> blood collection tubes
- ✓ Secure Medicare coverage for Target Selector<sup>™</sup> Lung NGS Panel developed under Thermo Fisher Collaboration
- ✓ Enter into additional strategic commercial and technology partnerships Global and U.S.
- ✓ Sign new third-party health plan agreements and expand relationship with BCBS
- ✓ Initiate pivotal clinical studies and present results at industry conferences
- Launch COVID-19 collection kits and complete development of high-sensitivity COVID-19 kit with Aegea Biotechnologies

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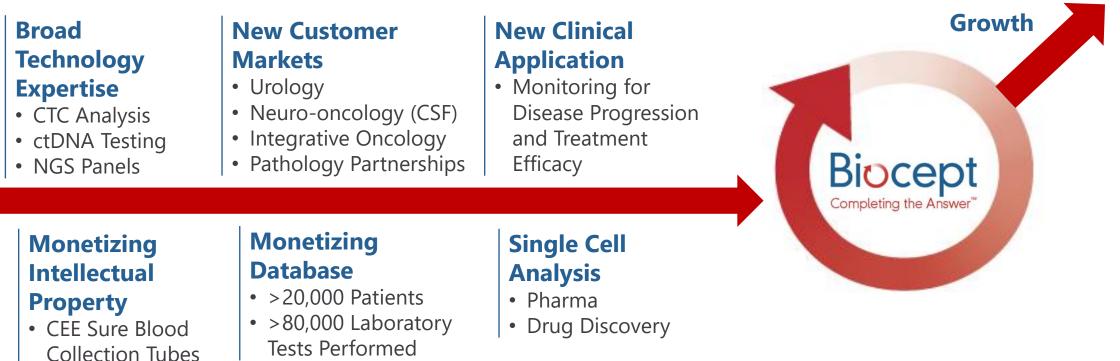
- Current partnerships with industry leading companies
- Potential for U.S. and global transactions
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## Deploying Global Distribution Model

- Target Selector<sup>™</sup> kits
- Blood collection tubes
- Agreement with VWR

# Strong balance sheet and COVID-19 testing to weather the pandemic while making progress on multiple aspects of our core business to build for a strong future





- Molecular Test Kits
- Tests Performed

