# **BioProtonics**

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#### **Unlike trauma**

disease happens quietly

@ the microscopic level

The urgent unmet need in healthcare is measuring these changes <u>non-invasively</u> BioProtonics has developed Technology to make those measurements in any MRI Scanner

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Histology Without Biopsy

IN ANY ORGAN

Alzheimer's to cancer DIAGNOSIS/MONITORING, DRUG DEVELOPMENT, HEALTHCARE/WELLNESS

#### John V. Crues M.D. Board Member and Medical Director RadNet

"The extremely low-cost of implementation, combined with the almost negligible input in time and effort for data acquisition, **make it a win-win for clinical practice**."

**Prof. Garry Gold, M.D. , M.S.** Acting Chairman Radiology Stanford University

"...by definition a game-changer in diagnostics."

## **Our Mission**

Strategic: Establish paradigm-changing partnerships in healthcare with – Diagnostic Imaging, Pharma, and Big Data in Medicine

<u>Tactical:</u> Develop diagnostic applications of MRµT – initially in Prostate Cancer and Neurodegenerative disease (AD)



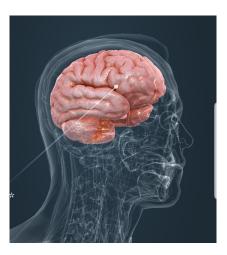
Tactical: **MR-Histology** Enables Dramatically improved Diagnostic Power For All MRI Scanners

### MRµT (MR micro-Texture)

#### **Reduced use of biopsy:**



#### Previously Unavailable Diagnostic insight :







Strategic: MR-Histology (MRµT) Enables

Novel New MR Devices New Use Cases for MRI

#### Making Preventive Care and Precision Medicine Accessible

#### **Enhance expanding reach of MRI**



2021 – Q1 Solid Foundation: **IP** Technology Collaborators Alliances

#### Negotiating alliances for <u>Clinical Prototype</u>



COURTESY: PHILIP

## Looking for Ideal Partnerships

#### **Future of Healthcare**

Big Data in Medicine Insurers (Employers) Pharma Diagnostic Imaging





Magnetic Resonance in Medicine

#### **MRM Manuscript**



#### Magnetic Resonance method for measuring microscopic histologic soft tissue textures

Journal:	Magnetic Resonance in Medicine
Manuscript ID	MRM-20-21492.R1
Wiley - Manuscript type:	Full Paper
Date Submitted by the Author:	n/a
Complete List of Authors:	Sonn, Geoffrey; Stanford University School of Medicine Fan, Richard; Stanford University School of Medicine Kunder, Christian ; Stanford University School of Medicine, Pathology Gold, Garry; Stanford University School of Medicine, Radiology James, Kristin; BioProtonics, Inc., Kristin James Parker, Ian ; Samsung Research America Carlson, Jean; University of California Santa Barbara, Physics James, Timothy; BioProtonics Inc
Research Type:	MR Microscopy < Technique Development
Research Focus:	Pathology < Anatomy < Other tissues (body fluids, skin, vessels, arteries, other organs, etc)

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