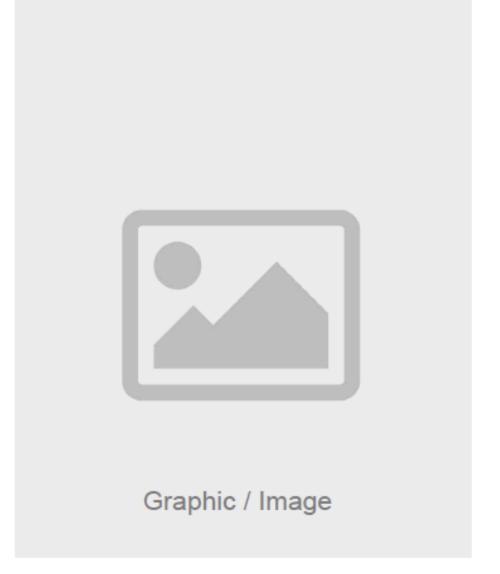
# Logo

Tagline: —————



Unmet Medical Need / Clinical Data / Pipeline, etc





# Logo

Tagline: ————————

Elevator Pitch (Science / Technology):	
	NEW STATE OF THE S



Graphic / Image

## **ONE MILLION**

sexually transmitted infections are contracted

## **EVERY 24HRS**

**530**<sub>K</sub>

Cervical Cancer cases worldwide

**23**<sub>M</sub>

Infertility cases

worldwide

Cost of treatment in the US alone

\$**2.3**B

>30%

Of women don't screen regularly

\$1.6B

All Screening Age Women

\$250M High Income 50M kits, \$5 32M kits, \$10 \$320M USA

\$520M High Income 104M kits, \$5 100M kits, \$2 \$200M Rest of World 32M kits, \$10

\$320M USA

Underscreened \$730M Underscreene

\$100M High Income 20M kits, \$5 \$130M USA 13M kits, \$10 \$200M High Income 40M kits, \$5 \$200M Rest of World 100M kits, \$2

10M kits, \$10

\$100M USA



Product / Vision



Operations



Sharron Browniee Sales & Marketing



Finance

Dr. Charlotte Gaydos, DrPH, MPH, MS Johns Hopkins, Public Health, STI expert Dr. Diane Harper, MD, MPH, MS University of Louisville, ObsGyn, HPV expert Dr. Linda Alexander, PhD Ex-VP Women's Health QIAGEN, Ex-CEO ASHA Prof. Attila Lorincz, PhD Co-Founder, ex-CSO Digene Corp (QIAGEN) Richard Sullivan Ex-CEO Interface Biologica, Catheter Innovations Norma Beauchamp Ex-SVP Corporate Business, Bayer Canada Roy Suntrum, MBA Ex-VP Operations, DNA Genotek (Orasure) Brian Hunter President, NorthSpring Capital Partners Melanie Duquette Inf] Marketing Manager, Invitee



Screening is Easy, Convenient and Discreet for Women

95%

with Physician

"Easy to use"

Preferred Self-collection

HerSwab™ is a simple STI Self-Testing Kit

Hello!

"It took seconds. Completely easy to use and comfortable."

- Patient Response

Increases Screening Metrics and Volume for Health Players

✓ CE Mark - Europe

✓ Health Canada & MDL Approval - Canada

√ ISO 13485 Certified - BSI

✓ Design Patents granted in US, EU, Canada

✓ Utility patent filed nationally in 7 countries

✓ International PCT utlity filing







Comparison of HerSwab to physician swab in 189 high risk youth for Chlamydia. Conducted at McMaster University.

\$1.7<sub>M</sub>

Raised to Date

16<sub>K</sub>

units shipped \$470k

in sales & contracts 15

IP & Red

Ongoing Studies

15<sub>K</sub>

Women in Screening Pilots Current

Head Count



Let's get more women screening, together.



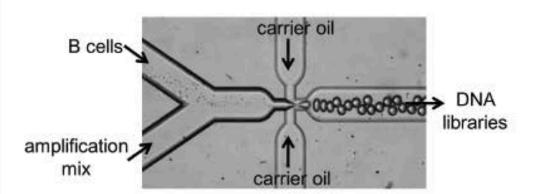
#### Next generation therapeutics from natural immune repertoires

GigaGen has the only method to capture complete human antibody and TCR repertoires as DNA and express them as recombinant protein libraries.

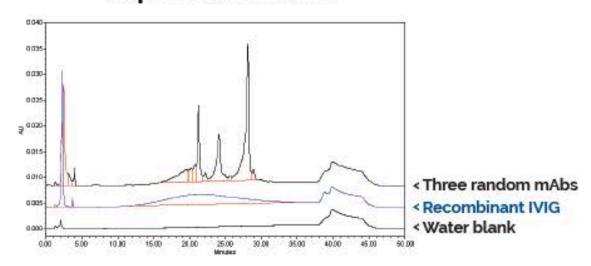
## Developing the first recombinant Intravenous Immunoglobulin (IVIG)

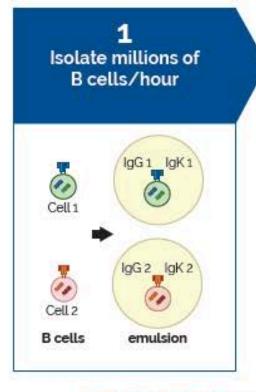
GigaGen is the first to capture and recreate human antibody libraries that have the massive diversity of a human immune system.

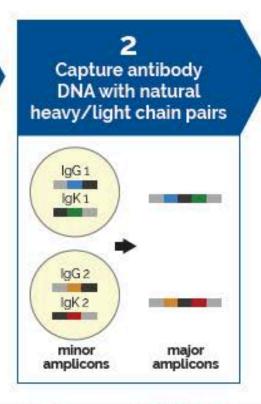
#### Rapid Repertoire Capture Though Microfluidics

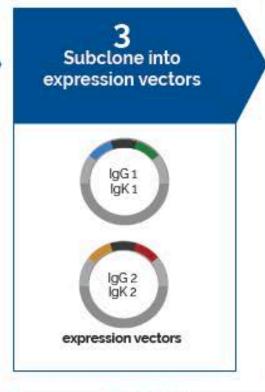


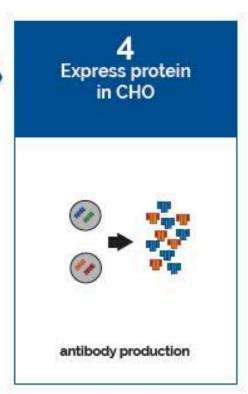
#### Polyclonal Antibody Expression in CHO







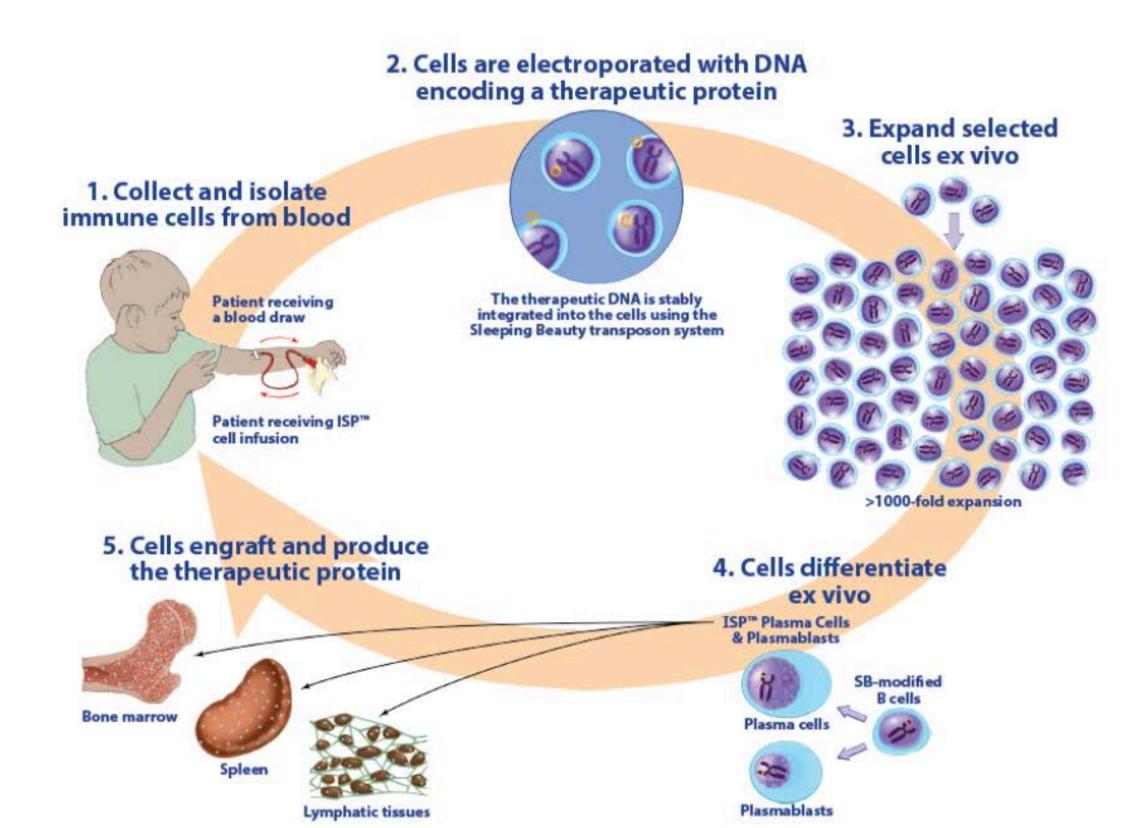






PROGRAMMING YOUR CELLS TO CURE DISEASE

## PROGRAMMING YOUR CELLS TO CURE DISEASE



CONTACT: Matthew Scholz | CEO | 206-931-0262 | matthew.scholz@immusoft.com



## NON-INVASIVE MULTI-PARAMETER BRAIN MONITOR

HeadSense Medical is an early stage company operating in both the U.S. and Israel, developing a platform for a non-invasive brain diagnostic device with monitoring applications.

HeadSense's first product is a validated and CE Mark approved non-invasive ICP monitor. The company is currently developing additional applications for cerebral vasospasm diagnosis, concussion diagnosis, TBI severity quantification and others.



Non invasive ICP monitoring



Concussion diagnosis and monitoring



Stroke, vasospasm and other pathologies



Accurate, continuous, automated and quantitative data



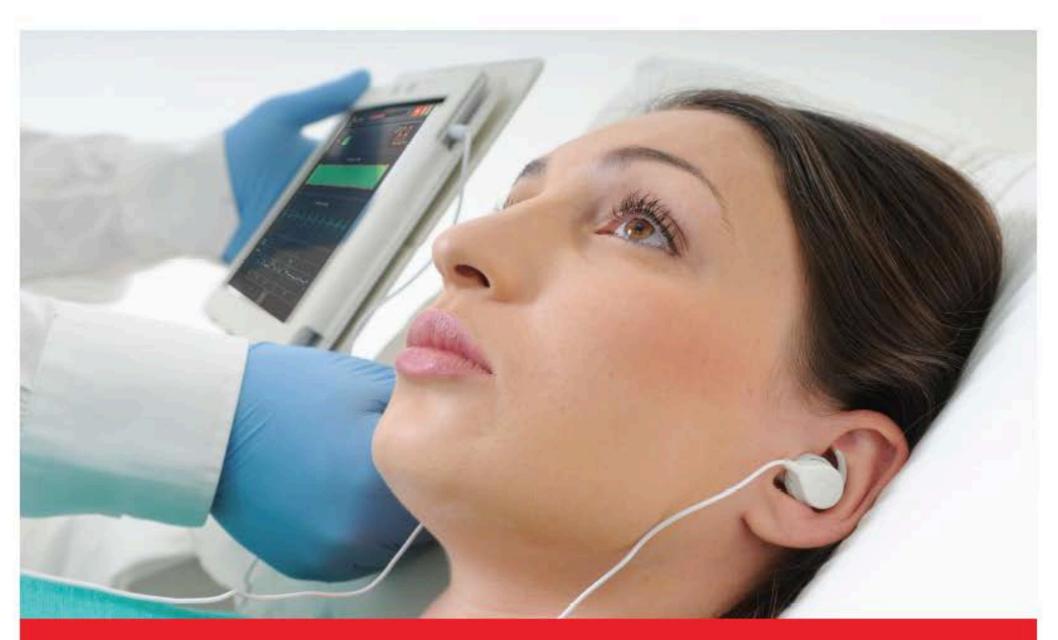
Does not require patient's cooperation



Easy to operate



Mobile



Contact: Guy Weinberg, CEO guy@head-sense-med.com +1 (551) 666-8292

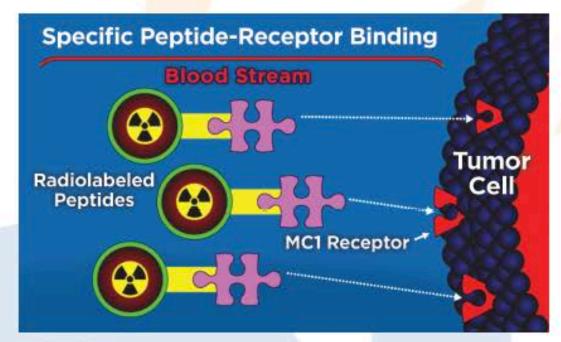


## SOLUTION: PRECISION THERANOSTIC SRX-1177

- New class of melanoma therapy combines novel peptide with commercially available radioisotope into injectable drug
- Binds to unique receptor (MC1) overexpressed on about 80% of human melanomas
- Similar radiopharmaceuticals show response rates up to 75% for other cancers

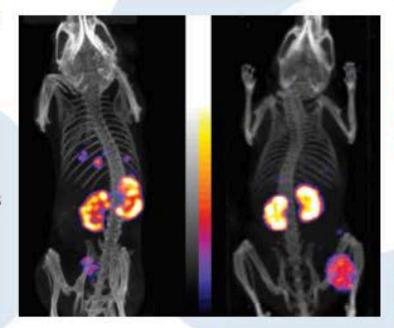
### METASTATIC MELANOMA HAS NO CURE

- 55,000 deaths worldwide each year
- 75% with advanced melanoma die within one year
- New therapies don't work for most patients
- Potential for serious, sometimes fatal, side effects



### SIGNIFICANT BENEFITS

- Visualize tumor
- Target therapy
- Preserve healthy tissue
- Avoid serious side effects
- Monitor response to therapy



#### **MILESTONES ACHIEVED**

- Three issued patents
- FDA Orphan Drug Designation
- Peptide manufacturing feasibility established
- NCI CRADA

### SRX-1177: MELANOMA GAME CHANGER

- Focus on 2nd and 3rd line treatment, \$1.6 billion market by 2023
- Differentiated mechanism of action
- Avoids shortcomings of current therapies
- Cost effective
- Strong patent portfolio



## ANTI-HORMONAL CANCER THERAPIES

for treatment resistant prostate cancer

ANTAGONIST  $\circ$  R

### **PROBLEM**

Prostate cancers develop treatment resistance to anti-androgen therapies.

Treating CRPC with androgen receptor (AR)-targeting therapies often increases neuroendocrine differentiation and applies selective pressure on tumors to adapt and transform to a state of neuroendocrine prostate cancer (NEPC). NEPC accounts for 25% of 34,000 deaths in the USA. Median survival is ~10 months.

#### SOLUTION

Armour's lead asset (AT-001) is a relaxin hormone receptor antagonist that accesses a backdoor to cancers that are resistant to anti-androgen therapies by targeting a non-AR endocrine pathway.

Unlike anti-androgens on market that require the presence of an androgen receptor (AR), AT-001 is able to impair the relaxin peptide hormone pathways critical in prostate tumorigenesis, while also blocking the cross-talk signaling with

## De novo NEPC AR-Positive AR-Negative (~ 75% of patients) (- 25% of patients) Treatment-Anti-Androgen Anti-Relaxin Therapy (AT-001) Therapy (Zytiga/Xtandi) +/- Docetaxel

#### PRODUCT COMPARISON



#### **ADVANTAGES OF AT-001**

- First-in-Class
  - o Non-androgen anti-hormone
  - Effective for AR-negative cancers (i.e. NEPC)
- Triple-Pronged Mechanism-of-Action
  - o Anti-angiogenic (via VEGF, NOS)
  - o Anti-metastatic (via MMP/TIMP)
- o Anti-androgen (via B-catenin) Broad Market Potential
  - o Offers a "dual potent hit" on hybrid tumors expressing NE and epithelial phenotypes targeting both relaxin and AR signaling pathways.
  - Can be a monotherapy or combination therapy
  - o Applicable to multiple cancers (breast, ovarian, etc) o Synergizes with first-line chemotherapy (docetaxel)

## **MILESTONES**

#### Mechanism-of-Action Characterized:

Efficacy demonstrated in PCa and NEPC models.

#### Manufacturing De-Risked:

Process for manufacturing AT-001 optimized.

#### 

Strong IP position on entire class of antagonists. Patents issued; new patents filed.

#### Marty Validation:

Independent group (top relaxin research group) confirmed and published on AT-001's receptor antagonism.

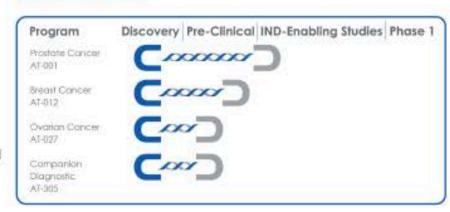
#### Team:

Leading relaxin scientists; seasoned management, experienced Board and SAB.

#### Minvestment Ready:

Raising capital to proceed to Phase 1.

#### **PIPELINE**





Josh Silvertown, PhD MBA CEO josh@ArmourTherapeutics.com























## "BREAKTHROUGH BREAST CANCER TREATMENT "

- DENVER 9NEWS (NBC), DECEMBER 2015



To date, \$23 million has been invested to develop Novilase (1) laser therapy as a minimally invasive alternative to surgery. Funding will primarily be used to complete an international pivotal trial (RCT), obtain CE Mark, pursue early commercialization in Europe and file for U.S. approval. Chicago-based with a subsidiary in Paris.

#### UNMET NEED:

Advances in imaging enable the detection of smaller tumors yet surgery has not kept pace. Lumpectomy, the current breast conserving standard of care, has relatively high primary retreatment rates reported, complications, significant downtime due to recovery, and in up to 30% of cases a need for reconstructive surgery. Patients and physicians are desirous of a minimally invasive solution.

"Novilase ® is the solution".

#### **OUR EVIDENCE:**

Notable results from recent Phase II study in U.S. and UK:

- 91% complete tumor ablation, when treated to guidelines
- 92% NPV (negative predictive value) for MRI correlating with pathology in determining effectiveness of ablation
- No serious adverse events reported (ever!)
- Significantly better health-related quality of life scores reported post-Novilase<sup>®</sup> than post-surgery

In addition to being performed in an outpatient setting with local anesthesia, patients will benefit from quicker recovery (hours not days), lower retreatment rate, superior cosmesis and lower cost than surgery. As with current standard of care, patients would still require radiation and/or chemotherapy post Novilase.

#### OUR MARKET:

The U.S. and Europe represent a \$2 billion market with 1 million patients being treated each year who could benefit from Novilase® based on intended indications. Intended for tumors up to 20 mm in longest diameter and well-visualized on ultrasound or stereotactic x-ray imaging.

#### MILESTONES:

Winner 2014 Frost & Sullivan Early Stage Breast Cancer Treatment Device Technology Innovation Leader Award

Completed Phase II study in the U.S. and UK evaluating Novilase® as treatment for small breast cancers. Clinical results presented at 2015 San Antonio Breast Conference Symposium.

Received FDA 510(k) clearance for treatment benign breast tumors and soft tissue ablation.

CE Marking in progress

Robust IP portfolio with 13 U.S., 85 European & 12 other international patients.

Launched ABLATE post-marketing registry for treatment benign breast tumors.

Established network of key opinion leaders at NCI, academic, community, military, and NHS sites, including Columbia University Medical Center, Walter Reed National Military Medical Center, Gustave-Roussy, and INSERM.

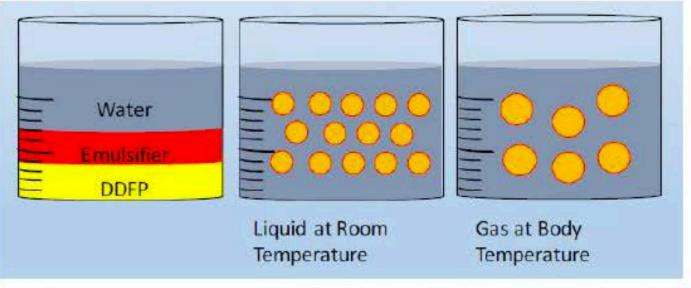
#### OUR TECHNOLOGY:

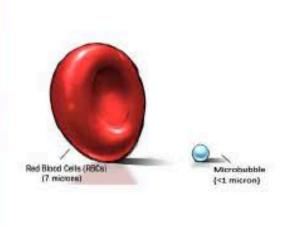
Laser-based system with real-time temperature monitoring for precise control.





### NuvOx Pharma Decreases Tissue Hypoxia

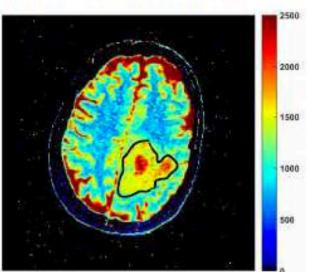


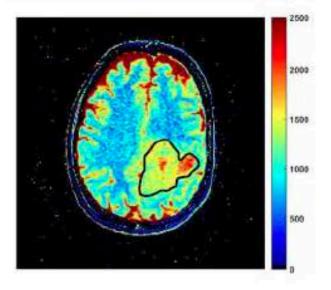


DDFP makes liquid droplets which are injected into the blood, where they boil to form bubbles that are smaller than a red blood cell. They pick up oxygen in the lungs. The bubbles' small size allows them to reach places that red blood cells cannot reach due to disease, where they then deliver oxygen.

## Oncology

Growing tumors squeeze down on their blood supply, making most tumors hypoxic. NuvOx delivers oxygen to hypoxic tumors before radiation therapy to make them more sensitive to radiation. Below is a MRI showing oxygen levels in a brain tumor before and after injection.





Phase 1b in Progress

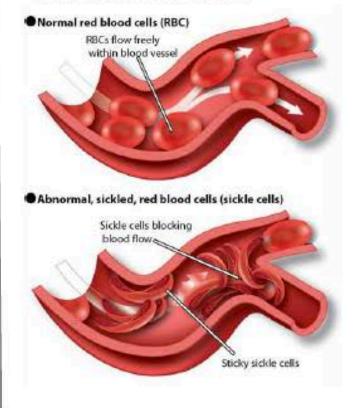
### **Sickle Cell Crisis**



Red Cell



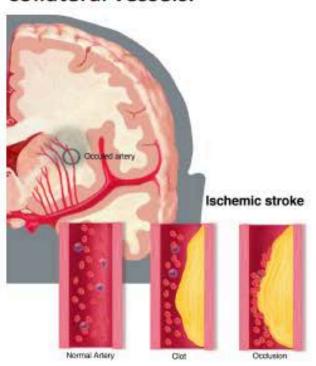
The bubbles deliver oxygen to sickled red blood cells to allow them to regain normal shape and softness, helping to restore blood flow and end sickle cell crisis.



IND application filed.

## Acute Ischemic Stroke

Microbubbles pass through occlusions and/or increase oxygen that diffuses from collateral vessels.



#### Pre-clinical data:

- 82% reduction in infarct size if given within 3 hours.
- Time-window for tPA extended from 4.5 hours to 9 hours.

Take a business card!