

SBRI MANAGEMENT BOARD

DOCUMENT TITLE:	SBRI Healthcare Competitions RAG				
AGENDA ITEM:	3.1.2				
AUTHOR:	Joop Tanis				
DATE OF MEETING:	21 May 2018				
EXECUTIVE SUMMARY:					
RAG report on active companies in portfolio					
KEY ISSUES TO NOTE OR CONSIDER:					
SBRI 14 (Surgery and Mental Health) – 12 companies being contracted					
KEY RISKS OR CONCERNS TO HIGHLIGHT:					
SBRI 11 (Acute Care): <ul style="list-style-type: none"> • IDOX StrokeNET - A digital-platform enabling real-time exchange of clinical Stroke information. Late submission of written report. Verbal update received. 					
SBRI 10 (A&E) <ul style="list-style-type: none"> • Careflow Connect - TACTIC – Team Communications for Integrated Care. Extended to 6 quarters. Difficulty finding secondary care app providers with which to integrate. 					
SBRI 9 (Elderly) <ul style="list-style-type: none"> • 11 Health - Restoring control and quality of life within stoma care. Trials delayed (due to ethics approval), awaiting revised timelines. 					
REPORT RECOMMENDATION:					
none					
PURPOSE OF THE REPORT (Indicate with 'x' the purpose that applies):					
FOR INFORMATION	FOR DECISION	FOR DISCUSSION			
x					
KEY AREAS OF IMPACT (Indicate with 'x' all those that apply):					
Financial		Competitions	x	Communications & Media	
Governance		Legal & Policy			
Programme Management	x	Evidence and Impact			
Comments: <i>[elaborate on the impact suggested above]</i>					
PREVIOUS CONSIDERATION:					

Key:	On Track, low risk	Variances, Monitoring Required	SBRI Support Needed (FAR & Board)
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Phase 1 Monitoring of Spring 2017 Competition (SBRI 13)

Company	Title	Comment on Review Meeting
Cancer – Screening, Earlier Diagnostics & Faster Diagnostics		
Aidence	Lung cancer screening pathway powered by Artificial Intelligence	<ul style="list-style-type: none"> Q1 report 23 Mar 2018 Visit HEE for HE and review 22 Mar 2018
C the Signs	C the Signs - Fighting Cancer with Early Diagnosis	<ul style="list-style-type: none"> Q1 report 21 Mar 2018 Visit HEE for HE review 20 Apr 2018
Cambridge Oncometrix	Prostate Liquid Biopsy Test for Risk Stratification for Prostate Cancer.	<ul style="list-style-type: none"> Q1 report 21 Mar 2018 Visit HEE for HE and review 5 Apr 2018
Chromition	Digital High Throughput Screening Platform for Rapid Cancer Diagnosis	<ul style="list-style-type: none"> Q1 report 21 Mar 2018 Visit HEE for HE review 25 Apr 2018
Corporate Health International	Creating highly automated, primary-care delivered video capsule endoscopy diagnostics	<ul style="list-style-type: none"> Q1 report 21 Mar 2018 Visit HEE for HE and review 5 Apr 2018
Deepmed IO	Deep Learning powered Metastases Detection System for Digital Pathology	<ul style="list-style-type: none"> Q1 report 23 Mar 2018 Visit HEE for HE review 18 Apr 2018
FaHRAS	FaHRAS Cancer Risk Assessment Software	<ul style="list-style-type: none"> Q1 report 21 Mar 2018 Visit HEE for HE review 26 Apr 2018
Oncimmune	EarlyCDT-Lung+ for Cancer Risk Stratification of Indeterminate Pulmonary Nodules	<ul style="list-style-type: none"> Q1 report 21 Mar 2018 Visit HEE for HE and review 27 Mar 2018
Skin Analytics	Expansion of skin cancer diagnosis service	<ul style="list-style-type: none"> Q1 report 21 Mar 2018 Visit HEE for HE review 19 Apr 2018
Vodca	Augmented Microbiome-mediated Breath Test for Earlier Oesophago-gastric Cancer diagnosis (AMBEC)	<ul style="list-style-type: none"> Q1 report due 23 Mar 2018 Visit HEE for HE and review 3 Apr 2018

Phase 2 Monitoring of Autumn 2016 Competition (SBRI 12)

Company	Title	Comment on Review Meeting
GP of the Future – Workload & Demand Management		
Doc Abode	Primary Care at Scale - upskilling an 'on-demand' workforce	<ul style="list-style-type: none"> Q1 review meeting 13th April 2018. Possible visit in May Have changed subcontractor which has led to delays. New subcontractor is ADI
iPlato	Saibot - smart virtual waiting room to free up GP capacity	<ul style="list-style-type: none"> Q1 report review 12 Apr 2018

		<ul style="list-style-type: none"> • Already receiving revenues on work achieved in Phase 1 and Phase 2 (£450K) via successful application to £45M GP fund from NHS • In touch with Imperial AHSN following alumni event
Xim	ViVa - Visual Vitals passive vital signs measurement in primary care	<ul style="list-style-type: none"> • Q1 report received • Q1 review 24 April • Waiting ethics approval from Portsmouth & So'ton • Good engagement with Wessex AHSN – helping with GP recruitment
GP of the Future – Diagnostics & Earlier Triage		
Fraunhofer UK Research	NIRASA: Nanophotonic Interferometer for Rapid Antibiotic Susceptibility Assessment	<ul style="list-style-type: none"> • Q1 review meeting 30 Apr 2018 • Q1 report received
MedtechtMarket Consulting	A rapid, low cost test for early detection of Sepsis	<ul style="list-style-type: none"> • Q1 review meeting 1 May 2018
GP of the Future – Self Care		
CRiL	Low Cost Self-Care Asthma Monitor	<ul style="list-style-type: none"> • Q1 report due 23 Mar 2018 • Q1 review meeting 29th March 2018. EAHSN participated • Design modified to avoid condensation
Dovetail Digital (prev. Covolution)	Coordinating accountable care using Blockchain technology	<ul style="list-style-type: none"> • Q1 review meeting 28th March 2018. UCLP participated • On track with timelines • Current focus is INPS Vision, as in use at trial site in Bradford, rather than EMIS & System1 although developing the former • Commercialisation needs to focus on EHR vendors not NHS • Still hung up on patient consent and providing patient facing apps and thinks this will drive sales
MSK Note	Enabling musculoskeletal patients to effectively self-manage their long-term conditions.	<ul style="list-style-type: none"> • Q1 report review 26 Apr 2018 • Assessing whether ethics required for trials • Working with KSS AHSN
MyWay Digital Health	MyDiabetesMyWay; Transforming Patient Self Management	<ul style="list-style-type: none"> • Q1 review meeting 18th April 2018. SWAHSN attended • Good clinical engagement
Orsus Medical	Non-invasive blood glucose monitoring	<ul style="list-style-type: none"> • Q1 report sent, Q1 review 27 Apr 2018 • Seeking quotes from Profil in Germany as an alternative site for clamp testing as Liverpool Hospital are prevaricating due to rebuilding work.

Phase 2 Monitoring of Spring 2016 Competition (SBRI 11)

Company	Title	Comment on Review Meeting
Improving Patient Flow in Acute Care – In-patient Journey		
IDOX (prev 6PM Management)	StrokeNET - A digital-platform enabling real-time exchange of clinical Stroke information	<p>In Q3</p> <ul style="list-style-type: none"> • Q1 review 26th Jan 2018. Q2 report overdue • Close clinical collaboration with UCL, although risk of developing UCL specific functionality • Developing separate clinical facing and patient facing functionality

Improving Patient Flow in Acute Care – Resource Usage		
Beamline Diagnostics	Novel technology for screening colonic polyps and streamlining histopathology.	In Q3 <ul style="list-style-type: none"> Q2 visit 11th April - Oxford AHSN invited, but did not attend. K. Livingstone attended Trial expanded over multiple sites. Patient recruitment underway
Highland Biosciences	Improving efficiency of acute care with a near-patient coagulopathy biosensor	In Q3 <ul style="list-style-type: none"> Latest report shows milestones on track Waiting on output from Innovate UK funded project for next milestones due in Jun Q3 report due 4th July
Nervecentre Software	Electronic CUR- Enhancing patient flow and facilitating appropriate discharge	In Q2 <ul style="list-style-type: none"> Q2 visit 11th April (Oxford AHSN invited, but did not attend) Trial includes 2000 beds in 3 hospitals in Leics Winter pressures delayed deployment but have buy in at senior levels
Improving Patient Flow in Acute Care – Discharge Efficiency		
Caresourcer	Care Sourcer – Improving Patient Flow Whilst Promoting Choice	In Q3 <ul style="list-style-type: none"> Q2 review 17th Apr 2018 Trial in Gloucs care homes and acute trust until Sept Achieving revenue (£125K) from private referrals
Self Care in Children with LTCs – Assisting & Restoring Function		
ADI	Let Me Show U!	In Q3 <ul style="list-style-type: none"> Q2 review 9th Apr. Visit 17 May ? Initial stakeholder discussions complete. Waiting IG sign off Patient / wider user recruitment ok but time consuming. May need to scale back from 250 users
Open Bionics	Affordable, 3D-printed, robotic prostheses for children and young people	In Q3 <ul style="list-style-type: none"> Q1 review 14th Feb 2018 (WE AHSN invited, but did not attend) Revising Q1 report to fully reflect latest situation Q2 report due in April
Self Care in Children with LTCs – Self Care & Remote Monitoring		
Aseptika	REACH-OUT: Self-care, remote monitoring and eLearning for CYP with co-morbidities.	In Q3 <ul style="list-style-type: none"> Q2 visit 26th March 2018, EAHSN participated Milestones on track Expecting ethics sign off in May/June
Innerstrength	Using Remote Technologies to Decrease the Burden of Cystic Fibrosis	In Q3 <ul style="list-style-type: none"> Q2 review meeting 26th April 2018 Trial partner now Nuffield Health CF programme, as they get NHS referrals. Trial to start in March. Aiming to recruit 40 CYP age 12-16.
Therapy Box	VocaTempo: Advanced communication technology for children with speech impairments	In Q3 <ul style="list-style-type: none"> Q2 review 28th March 2018. Imperial AHSN attended Internal testing now and testing on twenty CYP in April

- On track for CE mark and product launch by Sept

Phase 2 Monitoring of Autumn 2015 Competition – Reducing Pressure on Urgent & Emergency Care (SBRI 10)

Company	Title	Comment on Review Meeting
Resource Planning		
365Response	Healthcab for Healthcare professionals – delivering system flow	Project complete - 23 April. YHAHSN participated <ul style="list-style-type: none"> • Already achieving revenues • Keen to integrate with EMIS and others • Mid Essex GP trial successful and evidence of cost savings but has gone quiet
Snap40	Feasibility Study Senda: A pro-active patient health monitoring platform	In Q5 <ul style="list-style-type: none"> • Interim report sent 6 Mar 2018 • Final report due 11 May 2018, waiting stats from Edinburgh Clinical Trial Unit (due Mar/Apr) • Final review mtg 15 May • Close to achieving revenues • Have raised £2.1M funding
Coordinating Admissions		
Biovici	Traumatic Brain Injury (TBI) - Point-of-Care Diagnostics Test".	In Q5 <ul style="list-style-type: none"> • Report in Feb?
Healthera	Serket - Remote treatment management and A&E life-saver kit	In Q5 <ul style="list-style-type: none"> • Report end of Feb?
Preventing Admissions		
Microbiosensor	Reduce admissions through rapid diagnosis of urinary infections in the elderly	Project Complete. Final review meeting 19 th April 2018 - GM AHSN participated in final review <ul style="list-style-type: none"> • Have raised £1.4M funding • Product development continues
Careflow Connect	TACTIC – Team Communications for Integrated Care	In Q4 - Requested extension to Sept 2018 <ul style="list-style-type: none"> • Tech development on track • Q4 report arrived April 2018 • Delays with finding and engaging 3rd party app providers and integrating with acute trusts • WoE AHSN participated in Q1 review
Digital Care Planning	Patient Facing Advanced Care Plans	In Q5 – Requested extension to Jun 2018 <ul style="list-style-type: none"> • Q4 review 3 May 2018 – On track with tech development. Dialogue with Co-ordinate My Care (CMC) continues. EMIS integration initiated also. • Have trials with Marie Curie volunteers and CMC. • Developing chatbot version also • Imperial AHSN participated in Q1 review

Phase 2 Monitoring of Spring 2015 Competition – Addressing Functional Needs in the Elderly (SBRI 9)

Company	Title	Comment on Review Meeting
Urinary & Faecal Incontinence		
JVS	Development of a simple, one-step cleaning method for intermittent catheters to enable frail, disabled and older people to easily reuse their catheters	In Q6 <ul style="list-style-type: none"> Catch up with Joop in March Final report due March?
Lucid	Development of An-i-sys, a rapid diagnosis for the causes of faecal incontinence by complete investigation of anorectal function in one patient session.	Project Complete. Final project review 6 th Feb 2018 <ul style="list-style-type: none"> Trials on going CE mark (Measurement) expected April 2018 Product launch 2019 GM AHSN participated in final review
Functional Difficulties		
Ally Labs	Ally - Smart Home Care	In Q6 <ul style="list-style-type: none"> Interim report received (7 May). Final report due mid June 2018 Care trial on going, although delayed start, due to finish by Apr 2018 Imperial AHSN participated in Q2 review
11 Health	Restoring control and quality of life within stoma care	In Q6 <ul style="list-style-type: none"> Delays with recruitment for clinical trials at Imperial. Requested extension of Phase 2 to 24 months and reduced number of patients. Also looking to extend trial to St Marks hospital to boost numbers. 11 Health will document the changes by early May 2018 and agree finish date. UCLP participated in Q2 review
Inclusiviti Ltd	Inclusiviti Chair- A stylish embodiment of functional and aesthetic design, making assistive technology aspirational	Project complete <ul style="list-style-type: none"> Final report sent 16 Feb 2018. Final project review mtg 30 Apr. Imperial AHSN invited to attend. They are looking to self-fund development of current prototype to get ready for CE marking. Subcontractor change has led to beta product, but not (yet) trialed externally Need additional funding to progress product further Imperial AHSN participated in Q2 review

Phase 2 Monitoring of Autumn 2014 Competition (SBRI 8) – Complete

Company	Title	Comment on Review Meeting
Child and Adolescent Mental Health Services		
ADI Ltd	CAMHS Open Outreach Platform	Project Complete. Final project review 5 th May 2017. YHAHSN (N. Young) joined final review by phone. <ul style="list-style-type: none"> CO-OP rebranded Step-Up, which runs on their MyPathway platform In use at Leeds CAMHS, opportunities at Bradford, Calderdale and Liverpool Some integration with EPR (Lorenzo, System1), other vendors more challenging and tbc

Diabetic Foot Ulcer		
Cadscan	Automatic creation of low-cost insoles for the prevention of diabetic foot ulcers	Project Complete. Final project review 17 th Aug 2017. NWC AHSN (L. Green) joined final review by phone <ul style="list-style-type: none"> • Product complete and launched • In discussions with 2 potential distributors • Exploring B2B route (shoe shops)
Medical Imaging		
BrainMiner	An automated image analysis and reporting platform	Project Complete. Final project review 22 nd Sep 2017. UCLB involved in project and final review. <ul style="list-style-type: none"> • Project extended to include CE mark submission • Exploring additional series A funding • Engaging with KOLs
Gold Standard Phantoms	A gold standard perfusion phantom for quantitative MRI	Project Complete. Final project review 9 th Feb 2018. UCLP (H. McLaren) joined by phone <ul style="list-style-type: none"> • Prototypes at test sites • Have sold 2 prototype devices to Univ Gent & Univ in Australia (total £70K) • Raised £840K in VC funding and £270K from Innovate UK
Outpatient Services		
Message Dynamics	Low cost outpatient monitor – using patients' own equipment	Project Complete. Final project review 16 th Nov 2017. KSS AHSN (R. Berry) joined final review by phone <ul style="list-style-type: none"> • Data analysis by LSE being submitted to BMJ for publication • Proposed commercial discussions with Rob Berry • Potential project underspend – update due May 2018
Brain Injury		
GSPK Design	Emgage Phase 2	Project Complete. Final project review 25 th May 2017. YHAHSN (N. Young) joined final review by phone <ul style="list-style-type: none"> • Product launch 2018 • Marketing operations under way, working with D4D • Registered as class 1 device. Second trial on going at CATCH (Centre for Assistive Technology and Connected Healthcare).
Obex Technologies	An integrated rehabilitation platform for long-term management, tracking and support of patients with brain injury	Project Complete. Final project review 13 th Oct 2017. EAHSN (M. Smith) joined final review by phone <ul style="list-style-type: none"> • IRMA product in use in Cambridge • Potential adoption in Sussex and opportunities in S. Yorks, Plymouth & Liverpool