

**Cloud DX Inc. partners with The Stanford Center For Magnetic Nanotechnology to complete the Qualcomm Tricorder XPRIZE Competition.**

*March 3rd, 2016, Brooklyn NY* - Cloud DX Inc. (Cloud DX) and Dr. Shan Wang at the Stanford Center for Magnetic Nanotechnology (SCMN) have joined forces to incorporate advanced Giant Magnetoresistance (GMR) biosensors developed at Stanford into the Cloud DX "Vitaliti" Tricorder for submission in the final phase of the Qualcomm Tricorder XPRIZE competition. Cloud DX is one of seven remaining finalist teams in the \$10 million Qualcomm Tricorder XPRIZE competition to develop a portable, wireless device that can diagnose 13 medical conditions and continuously monitor five vital signs.

Dr. Wang and his team (under the name Eigen Lifescience) are Distinguished Award winners of the 2014 Nokia Sensing XCHALLENGE, where they earned \$120,000 for an earlier version of the same GMR technology they are bringing to the Team Cloud DX Tricorder. The Nokia Sensing XCHALLENGE was designed to catalyze breakthrough medical sensing technologies that will ultimately enable faster diagnoses and easier personal health monitoring.

GMR biosensors represent the next frontier for rapid diagnostics at the point of care. This ground-breaking technology has higher sensitivity and versatility than standard enzyme-linked immunosorbent assay (ELISA) tests, and can measure the levels of analytes in blood, saliva, urine or perspiration in a fraction of the time required by standard assays. The 2007 Nobel Prize in Physics was awarded to Albert Fert and Peter Grünberg for the discovery of GMR, which is now used in several types of magnetic field sensors.

The Wang Group at SCMN has formally joined Team Cloud DX in the Qualcomm Tricorder XPRIZE competition and will share in any awards earned by the joint team. Under the competition's extended deadlines, all remaining finalist teams will deliver prototypes for consumer testing in August 2016, and prizewinners will be announced in early 2017.

Cloud DX CEO Robert Kaul commented: "We are thrilled to have an opportunity to work with Dr. Wang and his extremely talented doctoral & post-doc researchers to bring GMR technology closer to market. We believe that in the near future consumers will use safe, inexpensive systems and software like our Vitaliti Tricorder to take charge of their own health. The platform we are developing with Dr. Wang will bring that vision closer to commercial reality"

Dr. Shan Wang stated "As a winner of the Nokia Sensing X-Challenge we have a good idea what it takes to win a competition like the Qualcomm Tricorder XPRIZE. I am very pleased to be invited to join Team Cloud DX, who I believe has an excellent opportunity to be a grand-prize winner in 2017."

To learn more about Cloud DX and the Vitaliti Tricorder, visit: [www.clouddx.com](http://www.clouddx.com)

To learn more about Dr. Wang's group at Stanford, visit: <https://wanggroup.stanford.edu>

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**About the Stanford Center for Magnetic Nanotechnology**

Prof. Wang and his group are engaged in the research of magnetic nanotechnologies and information storage in general, including magnetic biochips, in vitro diagnostics, cell sorting,

magnetic nanoparticles, nano-patterning, spin electronic materials and sensors, magnetic inductive heads, as well as magnetic integrated inductors and transformers. He uses modern thin-film growth techniques, lithography, and nanofabrication to engineer new electromagnetic materials and devices and to study their behavior at nanoscale and at very high frequencies. The Center for Magnetic Nanotechnology (formerly CRISM) he directs has close ties with the Information Storage Industry and co-sponsors The Magnetic Recording Conference (TMRC).

#### About Cloud DX

Cloud Diagnostics® (Cloud DX) is a leading competitor in the highly regulated digital healthcare market now estimated to grow to \$28B by 2018. We provide remote patient monitoring hardware, software and recurring revenue services in a frictionless, fully reimbursable transaction. Team Cloud DX is one of seven finalists in the Qualcomm Tricorder XPRIZE.

#### About The Qualcomm Tricorder XPRIZE

The Qualcomm Tricorder XPRIZE is a \$10 million global competition sponsored by the Qualcomm Foundation for teams to develop a consumer-focused, mobile device capable of diagnosing and interpreting a set of 13 medical conditions and capturing five vital health metrics. Launched in January 2012, the competition encourages the development of a device much like the medical Tricorder of *Star Trek*® fame, moving it from science fiction to science reality.

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