



TETRADYN

Applied Bio Cyber Sciences
in BioThreat Protection, Monitoring,
& Emergency Response

CUBIT, CRAIDO - Pandemic & Food Safety Response

What Some Top Experts Have Been Saying Recently (Aug. 2009)

Here are some brief excerpts from what others have been saying with respect to CUBIT and CRAIDO, and our work as a whole. Below these you can find some brief summary remarks about these things. These remarks go along with commendations and statements of validation and support from members of the scientific community worldwide, many of whom share professional relationships with members of our team and consortium. The informality of some of these remarks helps to demonstrate the reality and sincerity involved.

CRAIDO, described below and in many papers and presentations, is something not limited to the H1N1 Pandemic nor to influenza. However, it is timely, it should be in the field, it could have been in Spring of 2009, and the remaining barriers are not technical, not medical, not legal, but only of the same order and type that have kept good and timely solutions that work from reaching the places and people where they are most needed. Remember Katrina and New Orleans. Let's not have a bigger and deeper problem that again could have been circumvented.

(from Dr. Eric Frost, San Diego State Univ., director of the Homeland Security Lab)

Martin,

Really look forward to working on you on this in the future. Don't sweat the not being able to be here for the meetings today. Challenge to the nation is huge and you and your team and what you have produced are in very strategic position to help. Hang in there!

(from the #2 person on top of homeland sec, pandemic response plans and programs)

Sounds absolutely terrific! Really look forward to folding Tetradyn and Martin into the effort! This can be of massive importance to the nation! We will push this forward with the Administration.

(from Dr. McD who reports directly at the White House as part of the Presidential H1N1 Pandemic Initiative)

He called me while he was on the plane heading off to San Diego and gave me one of the best conversations I can ever remember, concluding on the note of "Can you put together a Pilot of the CUBIT-Delta (CRAIDO) in at least one place because if it does anything like what you have designed and written about, it is what needs to go ASAP into not only the Five Cities but across the country."

(from Dr. F who is regarded nationwide as a key expert and decision maker)

I would respectfully like to invite you to the Homeland Security Visualization Lab (Friday August 21) to meet and collaborate with Dr. Michael McDonald. The purpose of this workshop is to assist Dr. Eric Frost in providing a unified San Diego Region Model to the H1N1 Pandemic Initiative for Dr. McDonald to take back to the White House for review. *Dr. Michael McDonald is the **lead Medical consultant to the White House and is focused on working the US/Global Resilience Centers for the H1N1**

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Pandemic Initiative*/[MD - added the bold font here so you will notice it]/

There are 2 phases for this Pandemic Initiative brought out by the White House. In Phase I, The National Resilience Network has chosen 5 Cities to provide a model that can be vetted by the rest of the Nation. Due to the relationships and amazing collaboration efforts already in place in San Diego, we were chosen as one of the "5". Once all of the 5 cities provide their models, then Phase II will be the rest of the Nation picking one of the 5 models to duplicate in their Regions. ... ***You are absolutely critical to this effort and collaboration***. / [MD - added the bold font here so you will notice it]/

The agenda for the meeting is to diagram the existing public health, all-hazards emergency management preparedness, and response system. This discussion should be lead by public health, municipal, federal (non-DoD), DoD, industry subject matter experts, and faith-based groups. ...

We're taking the higher ground on this in terms of saving lives. DHS, State, Local, 1st Responders, Medical, Community and Industry collaboration/coordination will be a must. Thank you so very much for your participation in this very important initiative. ***I know that we together in San Diego can make a difference to the Nation***. / [MD - added the bold font here also]

(and a thread involving Sandy L. in San Diego and Kyle Colwell whose company has wanted our technology and products as soon as we can get it into mass production.)

I am a former San Diego Police Officer, Special Technology Project Manager... I am also prior US Army Military Police, I was a bodyguard to my General during Desert Storm. My background and Kyle's meshes and we hit it off immediately. *I greatly respect Kyle and his endorsements of people and technology. **If he gives me the green light to talk with you, then I can assume you can do all the things he says you can do.** */ [MD - added bold font]/*

I will ensure it will be added to the "solution" portion of our SD Model we are compiling that will go back to DC. Our first goal here is to offer up a San Diego Region Model to be taken back to DC and showcased.

v/r
Sandi
"Behind every success is effort... Behind every effort is passion...Behind every passion is someone with the courage to try"

(by Kyle, to Sandi)

Sandi and Martin, I would like to introduce you to each other. Sandy, Martin is in a very unique situation as he has the technology, experience and capability of providing the solutions that the White House is looking for in helping identify, mitigate and eradicate the current epidemic of the N1H1 threat. He has a presentation and working documents for reference which will help establish a course of action and preparedness which his company has already possesses but needs to be understood and evaluated by top decision makers. Martin is currently working in close collaboration with Vanderbilt University and operates clean rooms and lab facilities. He has supporting commitments from Senators amongst others, Chambliss, Corker, Alexander, Sessions, McCain, Dodd, Burr. He has the processes and capability for assembling multiple lab stations, both stationary and mobile, storage facilities for supplies and instruments and inventory commitments. His group basically has all the components in place to provide a working solution to addressing the needs of San Diego County and the entire country but needs a mouthpiece and supporters who have final sign off capabilities. He has the unique position of being past the R&D stage of production and is able to provide all that is needed for putting a system in place.

About CUBIT, CRAIDO, TETRADYN

TETRADYN has designed and is producing the CRAIDO Labstations for the Nation and the World.

CRAIDO means: “Community Rapid Response for Infectious Disease Outbreaks.” CRAIDO pertains to human populations and public health as well as to animal populations and food processing. The Labstation is on the one hand an instantiation, a configuration, of the CUBIT Suite, the CUBIT product line and architecture for comprehensively addressing all of the issues and problems of biological threats living populations, focusing upon identification, intervention and responsive treatment. CUBIT encompasses, with our unified product that incorporates our hardware and software and methodology, that which must be addressed together and not separately, in order for any systematic intervention to be successful with emerging and unpredictable infectious diseases and agents, whether they be bacterial, viral, or epigenetic.

CUBIT encompasses:

- early warning and detection, including simulated modeling for identifying unforeseen critical risks
- biopathogen and environmental (chemical) sensing and monitoring
- antimicrobial facility and area and process bioprotection (BioProt)
- diagnostics including gene sequence and strain identification with fault-tolerant redundancy
- mutation detection, tracking and trend forecasting (CUBIT-delta)
- sample tracking, banking, and exchange (VSRB – Virtual Sample Repository Bank)
- situation awareness notification and emergency response (SANER)
- staff and visitor training and retraining
- site monitoring and maintenance
- risk management and incidence continuity planning support

CRAIDO embodies all of CUBIT functionality. CRAIDO consists of an open-ended, extensible, deployable network of Labstations that may be stationary (permanently set up in a facility including a large ship or aircraft) or mobile (set up in a towed trailer, container-conversion or bus-conversion). A CRAIDO Labstation may be used in total isolation from any others and sans networking, or it may be part of a corporate, regional, or (inter)national network.

The basis for the mobile CRAIDO Labstation is the EcOasis PodLab architecture and platform, and in fact the instantiation of the CRAIDO is one type of such a generic PodLab reconfiguration. A CRAIDO Labstation can be reconfigured into a PodLab for emergency water and power relief to a disaster-struck town or region, or into a PodLab for environmental health and safety testing at a petrochem plant or food processing plant, for instance, or at a different type of disaster site, or vice versa in reverse, within a maximum of two days.

Within the suite of functions provide in most CRAIDO Labstations are a scalable and multispectral array of sensing, detection, and identification capabilities that employ rapid antigen, PRMC, LBL, immunoassay, chemassay, and PCR technologies and instrumentation, plus a full array of analytical and informatics software, plus communications. Options include an array of telecommunication, power, security and public education components, all of which can be accommodated into one room or one mobile trailer with a versatile and efficient method for rapid shipment and redeployment as necessary.

Our corporate motto is “d’Accord” –

ACCORD (Accurate, Consistent, Complete, On-Time, Defensible)

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