



Spring 2013

GEN. PETE CHIARELLI (RET.)



Dear One Mind Supporter:

This has been a very successful kick-off quarter for the New Year highlighted by a \$3.5M challenge grant from the Wounded Warrior Project (WWP) and the successful completion of our Gemini Investigator's Conference in Houston during Super Bowl weekend. It culminated with the submission of a grant proposal by our TRACK-TBI team of experts to compete on an NIH Request for Applications (RFA) that could provide \$19 million (including indirects) for five years to study 3000 patients with TBI in an observational study for up to two years. We continue to press forward on our target of having "first patient in" by October, 2013.

One Mind is highly supportive of the NIH's decision to issue an RFA to study TBI, an important priority for our citizens and veterans alike. However, One Mind recognizes that to maximize the opportunity jumpstarted by NIH, we must rally all resources in a Public-Private Partnership to scale this program to achieve its true potential.

Without our support, NIH allocated resources cannot fund the full array of measures ideally needed to comprehensively characterize every patient with clinical, MRI and blood based measures over a 2 year period. We need a high quality and robust data set to establish a new classification and diagnostic system for TBI based on objective measures as well as new targets for therapeutic intervention. We therefore need private philanthropy, industry and other government agencies to join forces with One Mind and the NIH, to reach our mutual target goal of \$45M of total support.

One Mind is committed to leading this public-private partnership and to raising \$7M in this calendar year to launch Gemini and to cover this year's cost of our data exchange portal (Apollo Program). We have made tremendous progress towards our goal. In addition to the WWP, we have received generous support from President George W. Bush, Goldman Sachs Gives, Sylvan Herman, Drayton McLane, Johnson & Johnson, Elan, GE and others.

In the upcoming quarter, in addition to meeting with possible donors who can get us to our fund raising goal, we will host the One Mind Summit at Johns Hopkins, and continued development of our policy agenda, we will complete our rebranding effort this quarter and enter the second half of the year with a new look. What follows are updates on these important events and much more.

All of this would not be possible without your support. OM is committed to demonstrating first with TBI and PTS that better diagnostics, treatments and someday cures are possible if we attack the very difficult diseases and injuries of the brain with team science, public-private partnerships and a business model that respects intellectual property and makes data available to all brain researchers in the shortest period of time. We believe that basic science that does not rapidly translate from the bench to the bedside is interesting but irrelevant to the patients we serve. It is the patient that is in the center of our ecosystem – we exist to allow him, or her, to someday live a life free from brain disease.

A handwritten signature in black ink, appearing to read "P. Chiarelli". The signature is fluid and cursive, written over a light-colored background.

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Apollo Program: Building the Bridge

The One Mind Information Portal

The Apollo Program's Brain Data Exchange Portal is addressing one of the central challenges of our time: bringing the power of information technology to bear on the pressing questions in neuroscience.

For traumatic brain injury and post-traumatic stress alone, there are over 1000 clinical trials that have been performed, and thousands of other relevant data sets referenced in the literature. In addition, patient records and accounts from clinicians are being data based and shared via electronic medical records (EMR) systems.

One Mind believes that the ability to mine this data, both to find out what is known and to bring together disparate data to find what is not known, will dramatically accelerate the pace of scientific discovery and define a new paradigm for biomedical science. But it will require the collective expertise of industry, academia, non-profits and pretty much the collective intelligence of the entire planet; no resource should be left behind.

The One Mind Portal solves this problem chiefly by reducing barriers to sharing knowledge across information silos between academia, industry, government and the public at large. We accomplish this by creating an online platform that moves serendipitous and infrequent interactions in real space into online, constant interactions in an online virtual space.

The portal consists of a user interface, a toolbox of critical capabilities, a marketplace, and a rallying point for data partners.

At the One Mind Summit, we are celebrating the completion of our 1.0 milestone. In conjunction with our academic and private partners, we have executed a case study of Portal technology using the open source tranSMART system and the TRACK-TBI data set from Geoff Manley's Track 1 Study. We have built the prototype portal to integrate with Sage BioNetworks' next generation open science platform named Synapse. Partners are now able to take advantage of both systems through our Portal interface and work with data sets in a new way.

The Summit marks our transition from 1.0 to the 2.0 development cycle, which will be completed in Spring 2014. This will be a more ambitious project that will build on the foundation of 1.0 to integrate with the best tools from organizations around the world. Apollo 2.0 will be the first public release of the Portal that anyone will be able to use. In the 2.0 development cycle, the Portal will integrate with governmental efforts like FITBIR (the DoD TBI data base) to help create a space that accelerates research trials in the U.S., Europe, and Canada. We are excited about our progress with 1.0 and are even more thrilled to embark on the path towards 2.0.

Reducing barriers
to sharing
knowledge

Orion Bionetworks Launches Multiple Sclerosis

OM is a supporting partner of Orion Bionetworks (www.orionbionetworks.org) a \$5.4M study that officially launched in January as the first major effort to establish predictive computational models of Multiple Sclerosis through a novel Alliance model with Advocacy, Academic, Informatics/Computational and Pharmaceutical partners.





Gemini Program Gains Momentum

ONE MIND GEMINI PROGRAM ONE MIND

In Development: Global Dementia Roadmap

In collaboration with the NYAS, American Brain Coalition and NIF, we have deployed a landscape survey to assess the magnitude and type of major Investments being made by international organizations to support research in the various forms of Dementia as preliminary step towards developing a Global Dementia Roadmap.

Public Private Partnership Program for TBI & PTS

As mentioned earlier, OM has supported Grant submissions with Geoff Manley, UCSF, and team for a \$19M NIH RFA (April 2013) as well as Andrew Maas, UZA, and team for a €30M EU RFP (December 2012) to support TBI research.

OM has committed funding support to the Psychiatric Genetics Consortium (PGC) to study the genetic risk factors associated with PTSD in a cohort of >20K subjects.

Brown University's Judith Bentkover is in the last phases of completing her PTS-funded project to evaluate Best Delivery Care Models in the U.S. This study is being made possible through the generosity of the Tug McGraw Foundation.

We received funding from Sylvan Herman Foundation to support Phase 1 activities including data curation and analysis of Dr. Geoff Manley's TRACK-TBI Pilot study of 652 patients as well as the Investigator's Protocol and Biomarker Workshop in February.

We have received commitments of in-kind support from Pfizer, Thompson Reuters, General Electric Healthcare, Banyan Biomarkers, "PatientsLikeMe" and others to support Phase 2 activities.

2nd Annual One Mind Summit

May 14-16, 2013

Johns Hopkins Medical Institutions, Washington, D.C.

We are looking forward to a fascinating summit as OM convenes leaders from science, medicine, government, industry and philanthropy to advance neuroscience & mental health in the 21st century. Drs. Magali Haas (OM) & Rick Haganir (Hopkins) have developed an exciting program of internationally notable speakers. In addition to progress on the One Mind Mission, some of the topics are:



- Why We Need a Moonshot for the Mind
- AD Therapeutics - Failures & Promise
- Global Agenda for Dementia
- Bench to Bedside: Autism Case Study
- Partnering for Cures
- Progress on the Gemini Program for TBI & PTS
- Bench to Bedside in PTS
- Mental Health Parity - Where are we now?
- Progress on Orion Bionetworks (Multiple Sclerosis)
- Individualized Medicine of the Future
- Brain Mapping
- Neuroscience of Addiction
- Advancing Policy through One Voice

Keynote speakers include Drs. Francis Collins (NIH), Story Landis (NINDS), and Nora Volkow (NIDA). Following each keynote and panel presentation, participants will discuss and recommend actions to accelerate the One Mind mission.

Our deepest gratitude goes to the Summit Sponsors!

Platinum (\$50,000): American Psychiatric Foundation John G. Picerne

Gold (\$25,000): Chevron, Ron Katz

Silver (\$15,000): AssureRx Health

Bronze (\$10,000): Banyan Biomarkers

The next giant leap for mankind: curing brain disease



What your
generosity has
allowed us to
accomplish
so far...

- Hire an IT team to Design the architecture and execute software development of Portal 1.0.
- Connecting a TBI expert community of 11 national centers through the knowledge Portal 1.0.
- Data loading of the first major TBI study into the Portal.
- Data analyses via the Portal resulting in several new seminal publications generated within months.
- Workshops including TBI disease experts with industry experts to develop state-of-the-art study designs for TBI.
- Workshops of data & bioinformatics experts to advance common data elements (standards) for TBI & PTS.
- Workshop of animal modeling and clinical experts to re-invent translational science approaches
- Workshop between nano-technology engineers and clinical experts to develop a roadmap for biosensor technology applications for healthcare (Guardian Angels/IMEC).
- Generation of 2 white papers - CDE Forum white paper and animal genetics modeling white paper.

Guardian Angels for a Smarter Life

Our partner Guardian Angels for a Smarter Life was one of four finalists for a 1 Billion Euro grant from the EU Flagship Funding. They did not win the major funding but interest in this program was so strong that the Swiss Government has provided a grant to foster the work of establishing a Public-Private Partnership effort to support their efforts to create zero-power biosensors. We continue to work with them on brain biosensor studies in North America.



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We want to extend our sincerest appreciation to the event committee and growing list of sponsors for this inaugural event in Philadelphia. Approximately 100 people will gather to support One Mind while learning more about the organization from the evening's special guest speaker, One Mind's CEO, General (Ret) Pete Chiarelli. All will enjoy an exquisite three-course dinner paired with the fabulous wines of Staglin Family Vineyard.

Wine, Dine: One Mind Philly

May 6, 2013
The Water Works Restaurant &
Lounge, Boathouse Row
Philadelphia, PA

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New Look for One Mind: Sneak Peek...

We are nearing completion of a comprehensive rebranding of One Mind, and we are looking forward to sharing our new logo and new look in the coming weeks. We have been working diligently with our agency, Copacino+Fujikado, and have developed communications tools that reflect the bold and innovative mission of the organization that will be deployed across all media platforms. We will send out an e-mail blast when we pull back the curtain in May...