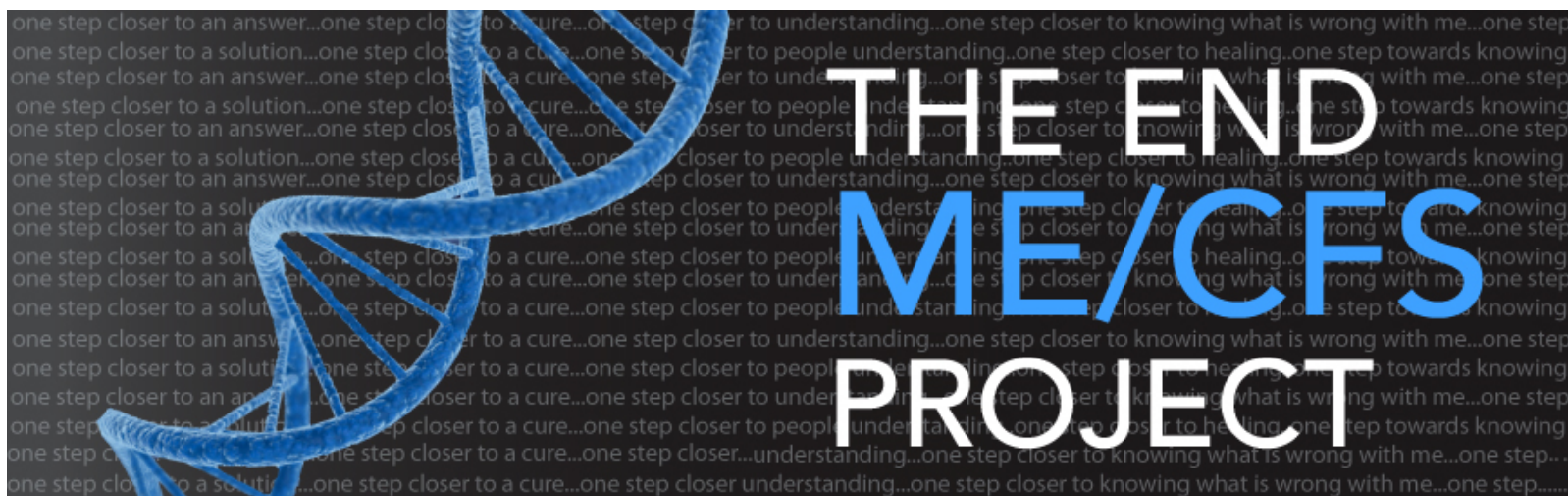


# Multi-disciplinary collaboration to **END ME/CFS**



## THE OMF **END ME/CFS** PROJECT

Open Medicine Foundation (OMF) and top experts under the guidance of world-renowned geneticist Ronald W. Davis, PhD are launching a bold new project of collaborative research. The ultimate goal is to unlock the mystery of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS).

*“I really enjoy working on problems that others think are unsolvable, and I’ve been finding, to my surprise, that the older I get, the easier it is to take on those problems”, says Ronald W. Davis, PhD, OMF Scientific Advisory Board Director.*

OMF’s new **END ME/CFS** Project will create a large consortium of scientists and clinicians with expertise in ME/CFS and top-notch experts in relevant scientific fields and will also include world-class scientists not currently working on this disease.

It will be modeled after two former success stories:

- The Human Genome Project, launched by James D. Watson, PhD (who has joined our Scientific Advisory Board).
- The Consortium on Inflammation and Host Response to Injury in Humans ([www.gluegrant.org](http://www.gluegrant.org)), led by Ronald G. Tompkins, MD, ScD (who has also joined).

The project will find grants and funding, and determine the most effective course of research. The goal is to understand the disease at a molecular level, finding diagnostic markers, effective treatments, cure and prevention. Basic research will be conducted in the best scientific laboratories. ME/CFS clinicians will provide their intimate knowledge of the disease and conduct any clinical trials. We will work until answers are found.

### Quick Links

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FOUNDATION  
(OMF) is a



## World-renowned scientists

The Open Medicine Foundation is honored to announce that Dr. Ronald W. Davis will join the OMF as its new ME/CFS Scientific Advisory Board Director. Dr. Davis is Professor of Biochemistry and Genetics at Stanford University and Director of the Stanford Genome Technology Center. The originator of numerous innovations in genetics technology, molecular instrumentation, Dr. Davis is known as one of the “fathers of the modern era of human genetics”.

Dr. Davis was a key scientist in the Human Genome Project, perhaps the most groundbreaking project in medicine in the last 15 years. His pioneering and collaborative work has gained Dr. Davis the respect of scientists and clinicians worldwide.

Other remarkable scientists that will join Dr. Davis on the Scientific Advisory Board include (see bios below):

- **Mario Capecchi, PhD - Nobel Prize Laureate** - currently working on molecular genetic causes underlying human disorders involving the immune system and the brain;
- **Mark M. Davis, PhD** - renowned immunologist;
- **H. Craig Heller, PhD** - sports fatigue expert with broad knowledge of physiology;
- **Andreas M. Kogelnik, MD, PhD** prominent ME/CFS clinician-scientist;
- **Baldomero M. Olivera, PhD** - innovative neurobiologist;
- **Ronald G. Tompkins, MD, ScD** - prestigious trauma physician;
- **James D. Watson, PhD - Nobel Prize Laureate** for his determination of the structure of DNA

A few additional top scientists are yet to be recruited. Together, they will recruit a large consortium of leading researchers and clinicians including many already involved in ME/CFS.

This collaboration will bring in expertise in a wide range of body systems and a diversity of disciplines including medicine, genetics, biochemistry, immunology, infectious disease, neurophysiology, bioinformatics, and statistics.

## Producing a breakthrough

The **END ME/CFS** Project was founded on the idea that a comprehensive, interdisciplinary effort is needed to produce breakthroughs in our understanding of ME/CFS and neuro-immune diseases. The OMF’s goal is to connect the best experts, from inside and outside the field, through openness and information sharing.

Linda Tannenbaum, Executive Director of the OMF, and Ronald W.

Davis, PhD also have a personal goal to find answers as quickly as possible as they have a daughter and a son, respectively, suffering from ME/CFS. Personal dedication can be a powerful force for making breakthroughs in difficult to understand diseases.

The Scientific Advisory Board under the guidance of Dr. Davis will lead the consortium in a collaborative manner to move research as fast as possible in the least expensive and most systematic manner.

### **Five million dollars**

OMF is setting an initial minimum goal of \$5 million per year for the **END ME/CFS** project. To join in this campaign to End ME/CFS and Donate to the Open Medicine Foundation, please go today to [www.openmedicinefoundation.org/ways-of-giving/donate](http://www.openmedicinefoundation.org/ways-of-giving/donate) or contact us at [donate@openmedicinefoundation.org](mailto:donate@openmedicinefoundation.org). Ask your friends, your family and your peers to donate to this ground-breaking project that will be a catalyst to the understanding of all Neuro-Immune Diseases.

**Be part of this effort to unlock the mystery and find a cure, and share the hope of millions of patients worldwide.**

**CDC states up to 4 million affected by ME/CFS in the US alone**

**Over 8 million affected by ME/CFS world-wide**

**An estimated 1 in 500 school-aged children are at home due to ME/CFS**

**Estimated 1 in 300 people are affected**

**There is no lab tests or biomarkers for ME/CFS**

**Many patients are bed-ridden or home-bound**

**Many patients cannot work or live normal lives**

**No clear diagnosis.**

**No effective treatments or cure.**

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### **Bios of our esteemed ME/CFS Scientific Advisory Board**



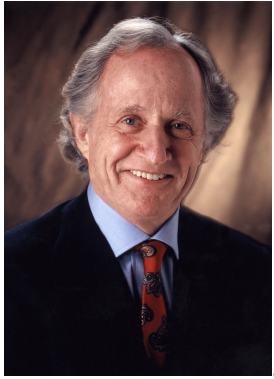
**Ronald W. Davis, PhD:** Dr. Davis's history of interdisciplinary work, technology development, and attacking previously unsolvable biological problems (both in genetics and traumatology), makes him the ideal scientist to lead a collaborative consortium to solve the mystery of ME/CFS.

Dr. Davis is Professor of Biochemistry and Genetics at Stanford University School of Medicine and he is the Director of the Stanford Genome Technology Center. Dr. Davis holds a PhD in Chemistry from Caltech. He is a member of the National Academy of Sciences.



[http://en.wikipedia.org/wiki/Ronald\\_W.\\_Davis](http://en.wikipedia.org/wiki/Ronald_W._Davis)

[http://med.stanford.edu/sgtc/general/RonDavis\\_profile.html](http://med.stanford.edu/sgtc/general/RonDavis_profile.html)

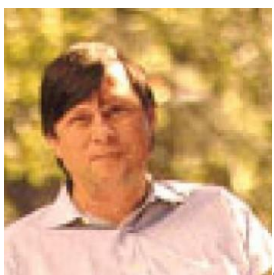


**Mario Capecchi, PhD:** Dr. Capecchi is an expert on human genetics, with a focus on the interaction of immune cells in the brain. His current research involves investigating the molecular genetic causes underlying human disorders involving the immune system and the brain. His expertise and insights in this area will be essential in understanding ME/CFS.

Dr. Capecchi is a Nobel Laureate in Physiology or Medicine. He is Distinguished Professor of Human Genetics at University of Utah School of Medicine. Dr. Capecchi holds a PhD in Biophysics from Harvard University. He is a member of the National Academy of Sciences.

<http://www.hhmi.org/scientists/mario-r-capecchi>

<http://capecchi.genetics.utah.edu/capecchi.html>



**Mark M. Davis, PhD:** As a world famous immunologist, Dr. Davis' focus is to develop a broad understanding of the human immune system to gain more coordinated information about what a healthy immune system looks like. The immune system is clearly involved in ME/CFS and Dr. Davis will be invaluable on the Advisory Board.

Dr. Davis is Professor of Microbiology and Immunology at Stanford University School of Medicine and Director of the Stanford Institute for Immunity, Transplantation and Infection. Dr. Davis holds a PhD in Molecular Biology from Caltech. He is a member of the National Academy of Sciences.

<https://med.stanford.edu/profiles/mark-davis?tab=bio>

<http://www.hhmi.org/scientists/mark-m-davis>



**H. Craig Heller, PhD:** Dr. Heller has a wide breadth of

knowledge of biology. He conducts extensive research in exercise physiology, examining fatigue in athletes. Dr. Heller has developed an instrument that allows increased exercise without fatigue. Having someone who understands fatigue and the normal response to exercise is essential for understanding how it goes wrong in ME/CFS.

Dr. Heller is Professor of Biology at Stanford University. He holds a PhD in Biology from Yale University and is a physiologist and biologist at Stanford.

<https://med.stanford.edu/profiles/h-craig-heller?tab=bio>

[http://en.wikipedia.org/wiki/Craig\\_Heller](http://en.wikipedia.org/wiki/Craig_Heller)



**Andreas M. Kogelnik, MD, PhD:** As an infectious disease specialist, Dr. Kogelnik is centrally involved with the bioinformatics and genomic revolution in medicine and is committed to the study of and treatment of ME/CFS and other chronic illnesses. His approach to treatment is based upon scientific evidence and he has led the charge on collecting large scale data and samples for ME/CFS research.

Dr. Kogelnik is a physician-scientist and Founder and Director of the Open Medicine Institute. He holds an MD from Emory University and a PhD in Bioengineering from Georgia Tech. He completed his residency in Internal Medicine and a Fellowship in Infectious Diseases at Stanford.

<http://openmedicineinstitute.org/about/management/>

<http://www.cortjohnson.org/chronic-fatigue-syndrome-mecfs-doctor-resource-center/dr-andreas-kogelnik-phd-m-d/>



**Baldomero M. Olivera, PhD:** Through his studies in neurobiology and cone snails Dr. Olivera has been able to develop a number of pain drugs, one of which is a thousand times more effective than morphine. Dr. Olivera is an expert on conotoxins that can modulate nerve function. He believes the future of neuroscience depends on collaboration across disciplines. Dr. Olivera will add to the Advisory Board his expertise in neurobiology and developing drugs for intervening in neurological processes, as well as his extraordinary creativity and thoughtful approach to scientific problems.

Dr. Olivera is a Distinguished Professor of Biology at the University of

Utah and is a lead scientist in the research of cone snail toxins. He holds a PhD in biophysical chemistry from Caltech. He is a member of the National Academy of Sciences.

<http://neuroscience.med.utah.edu/Faculty/Olivera.html>

<http://www.hhmi.org/scientists/baldomero-m-olivera>



**Ronald G. Tompkins, MD, ScD:** Dr. Tompkins has a very broad knowledge of trauma and metabolism. He ran the large NIH-funded Glue Grant for Inflammation and Host Response to injury in Humans, a large-scale collaborative research program that generated and analyzed likely the largest data set ever collected on humans. There seems to be a relationship between trauma and ME/CFS, possibly being triggered by or putting the body into a constant state of trauma. Dr. Tompkins is skilled at getting a diverse group of scientists and doctors to work together and collaborate. Having him on the Advisory Board is instrumental to successfully managing such a big project.

Dr. Tompkins is a Professor of Surgery at the Harvard Medical School. He is also Chief of Trauma, Burns and Surgical Critical Care Service at the Massachusetts General Hospital and Chief of Staff at the Shriners Hospitals for Children in Boston. Dr. Tompkins is a leading trauma and burn physician and trauma specialist at the Massachusetts General Hospital.

[https://ccib.mgh.harvard.edu/tompkins/pi\\_bio](https://ccib.mgh.harvard.edu/tompkins/pi_bio)

<http://cem.sbi.org/web/people-tompkins.htm>



**James D. Watson, PhD:** Dr. Watson served as Director of the Human Genome Project from 1990 till 1992. Under his leadership the project was highly successful and came in under budget and ahead of schedule. Dr. Watson has written three widely used textbooks. He is a leader in complex scientific problem solving, and has a track record of successful fund raising in both public and private sectors. Dr. Watson has a great ability for seeing the big picture and has the knowledge, connections, and experience to help set up an effective project.

Dr. Watson is Nobel Laureate in Physiology or Medicine. He is

Chancellor of Cold Spring Harbor Laboratories. Dr. Watson holds a PhD in Zoology from Indiana University. He is a member of the National Academy of Sciences.

<http://www.cshl.edu/gradschool/james-d-watson.html>

[http://www.nobelprize.org/nobel\\_prizes/medicine/laureates/1962/watson-bio.html](http://www.nobelprize.org/nobel_prizes/medicine/laureates/1962/watson-bio.html)

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## OpenMedicine Foundation

Tax ID: 26-4712664

Collaborating to Fast Track Answers

### Our Mission:

- To communicate, engage and inform the patient community.
- To fundraise for neuro-immune disease research.
- To help drive & support scientific meetings for continued global collaboration.

### A Word from our Executive Director:

*The END ME/CFS Project is the best chance in the history of this disease and all neuro-immune diseases to find answers that will translate to helping those that continue to suffer. This has to happen and it has to happen now. We are determined to find answers.*

To a healthy future for all,  
Linda Tannenbaum  
Executive Director

**OpenMedicine Foundation**

[www.openmedicinefoundation.org](http://www.openmedicinefoundation.org)

[Linda@OpenMedicineFoundation.org](mailto:Linda@OpenMedicineFoundation.org)

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