Collaborative Team Meeting Agenda

Sheraton Palo Alto Hotel, Justine's Room

DAY 1: WEDNESDAY, SEPTEMBER 4 *9:00am*

Session 1: GENOMICS/BIG DATA – *9:00am*

Mike Snyder, Stanford University

Fereshteh Jahaniani, Stanford University

Curt Scharfe, Yale University

Coffee Break

Wenzhong Xiao, Massachusetts General Hospital, Harvard Medical School
Computational Prediction of Potential Treatments of ME/CFS by Data Integration

Peidong Shen, Stanford University

Jaime Seltzer & Stuart Kim, MEAction, Stanford University
Purpose, problems, and potential solutions in big data for ME/CFS

Ami Mac, Stanford University

Discussion

Lunch – *12:45pm*

Session 2: METABOLOMICS

Alain Moreau, University of Montreal
MAESTRO-ME: Multi-omic Approaches to Resolve Myalgic Encephalomyelitis

Laurel Crosby, Stanford University
Metallomics in ME/CFS: metals analysis reveals distinct subgroups

Chris Armstrong, Stanford University
Nitrogen metabolism in ME/CFS

Coffee Break

Neil McGregor, University of Melbourne
Outlier analysis of ME/CFS: Identification of additional potential disorders from the metabolome

Robert Phair, Integrative Bioinformatics Inc.
Metabolic Traps in ME/CFS

Discussion

DINNER – *6:30pm, Il Fornaio, Palo Alto*

Next years meeting and symposium will be held the week after Labor Day, September 9-12, 2020

DAY 2: THURSDAY, SEPTEMBER 5 *9:00am*

Maureen Hanson, Cornell University
Extracellular Vesicles and ME/CFS

Ron Tompkins, Harvard Medical School

Session 4: BIOMARKERS

Rahim Esfandyarpour, Stanford University

Coffee Break

Anand Ramasbramanian, San Jose State University
Red Blood Cell biomechanics in ME/CFS: Potential significance and prospects for diagnostics

Eric Shaqfeh, Stanford University
High-throughput screening of red blood cell (RBC) deformability for ME/CFS

Juan Santiago, Stanford University
High resolution and high throughput quantification of red blood cell deformability

Lunch *– 12:05pm*

Amit Kumar Saha, Stanford University
Red Blood Cell (RBC) Biomechanics in in-vitro and in-vivo microcapillaries

Alex Kashi, Stanford University
Morphological Classification of RBC's: A Machine Learning Approach

Mohsen Nemat-Gorgani, Stanford University
Use of blood components to search for biomarkers in ME/CFS: A brief update

Coffee Break

Discussion

Session 5: CLINICAL PERSPECTIVES & RELATED DISEASES

Baldomero Olivera, University of Utah
Addressing Chronic Pathologies: Using an integrated systems platform

Dr Bela Chheda, Center for Complex Diseases
ME/CFS – A clinical perspective: overlapping vs. underlying diseases?

Craig Heller, Stanford University

Daniel Peterson, Sierra Internal Medicine
Precision Medicine for Clinical Research and Treatment of ME/CFS

Dinner *– 6:30pm, MacArthur Park, Palo Alto*

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DAY 3: FRIDAY, SEPTEMBER 6 *9:00am*

Oystein Fluge, University of Bergen
Clinical Trials in ME/CFS, lessons from RituxME and ClycloME

Ingrid Rekeland, University of Bergen
Cyclophosphamide intervention in ME/CFS and associations to molecular markers

Jennifer Frankovich Sargent, Stanford University
Infection, Inflammation and Neuropsychiatric Syndromes – Mapping the intersections

Coffee Break

Raeka Aiyar, New York Stem Cell Foundation
Modeling neuroinflammation and neurodegeneration using patient iPSC-derived glia, neurons, and organoids

Michael Jensen, Stanford University

Discussion

Lunch *– 12:20pm*

Session 6: DISCUSSION & DEVELOPING AN ACTION PLAN

Discussion

Coffee Break

Discussion

Closing Remarks – Ron Davis

Dinner *– 6:30pm, Ron Davis' house, Palo Alto*

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