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**The State of the Science of the Use of Biomarkers to Establish
 Presence and Severity of Impairments: A Workshop**

Virtual Workshop Agenda (Eastern Standard Time)

July 21, 2020	
10:00 am	<p>Welcome and Opening Remarks Sara Rosenbaum, George Washington University Planning Committee Chair</p> <p>Sponsor Remarks from the Social Security Administration Mark Warshawsky, Social Security Administration</p>
10:15 am	<p>Session 1: Overview of Biomarkers Moderator: Sara Rosenbaum, George Washington University</p> <p>Overview of Terminology and Biomarker Use in Clinical Decision-Making</p> <ul style="list-style-type: none"> • Joseph Menetski, Foundation for the National Institutes of Health <p>Where Do Biomarkers Fit When Trying to Relate Health to Function?</p> <ul style="list-style-type: none"> • Amy Wagner, University of Pittsburgh <p>Panel Discussion</p>
11:15 am	Break
11:30 am	<p>Session 2: Bioethical and Legal Considerations with the Use of Biomarkers to Establish Presence and Severity of Impairments Moderator: Sarah Ruiz, National Institute on Disability, Independent Living, and Rehabilitation Research</p> <p>Panelists</p> <ul style="list-style-type: none"> • Jerome Bickenbach, University of Lucerne • Judith Cook, The University of Illinois at Chicago Center on Mental Health Services Research and Policy • Kristi Kirschner, University of Illinois College of Medicine • Andrew Peterson, George Mason University <p>Panel Discussion</p>
12:15 pm	Lunch Break
12:45 pm	<p>Session 3: State of the Science on Biomarkers to Establish Presence and Severity of Impairments: Part I (Major depression, posttraumatic stress disorder, and schizophrenia) Moderator: Linda Brady, National Institutes of Health</p>

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	<p>Speakers</p> <ul style="list-style-type: none"> • Madhukar Trivedi, UT Southwestern Medical Center at Dallas • Amit Etkin, Stanford University and Alto Neuroscience • Jeffrey Lieberman, Columbia University • Philip Harvey, University of Miami <p>Panel Discussion</p>
2:20 pm	Break
2:35 pm	<p>Session 4: State of the Science on Biomarkers to Establish Presence and Severity of Impairments: Part II (Arthritis, chronic pain, and fibromyalgia) Moderator: Robert Wallace, University of Iowa</p> <p>Speakers</p> <ul style="list-style-type: none"> • Daniel Clauw, University of Michigan • Joan Bathon, Columbia University • Virginia Byers Kraus, Duke Molecular Physiology Institute • Gwendolyn Sowa, University of Pittsburgh <p>Panel Discussion</p>
4:15 pm	<p>Session 5: Reactor Panel Moderator: Sara Rosenbaum, George Washington University</p> <p>Panelists</p> <ul style="list-style-type: none"> • Betty Diamond, Hofstra Northwell School of Medicine • Sarah Morris, National Institutes of Health • Ralph Nitkin, National Institutes of Health • Ira Shoulson, University of Rochester
4:45 pm	Public Comment
4:55 pm	<p>Workshop Wrap-up Sara Rosenbaum, George Washington University Planning Committee Chair</p>
5:00 pm	Adjourn

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