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

**DRAFT Workshop Agenda**

Keck Center, E Street Conference Room  
500 5th Street, NW, Washington, DC

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:30 am</td>
<td>Registration</td>
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| 9:00 am | Welcome and Opening Remarks  
Sara Rosenbaum, George Washington University  
Planning Committee Chair |
| 9:15 am | Session 1: Overview of Biomarkers  
**Overview of Terminology and Biomarker Use in Clinical Decision-Making**  
• Joseph Menetski, Foundation for the National Institutes of Health  
**Where Do Biomarkers Fit When Trying to Relate Health to Function?**  
• Amy Wagner, University of Pittsburgh  
**Biomarker Development and the Road to Clinical Use**  
• Ronald Henriquez, Walter Reed National Military Medical Center  
Panel Discussion |
| 10:35 am | Break |
| 10:45 am | Session 2: State of the Science on Biomarkers to Establish Presence and Severity of Impairments: Part I (Major depression, posttraumatic stress disorder, and schizophrenia)  
**Speakers**  
• Amit Etkin, Stanford University (via Zoom)  
• Philip Harvey, University of Miami  
• Jeffrey Lieberman, Columbia University  
• Madhukar Trivedi, UT Southwestern Medical Center at Dallas  
Panel Discussion |
| 12:15 pm | Lunch Break  
(Public attendees may purchase lunch from the cafeteria on the third floor) |
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<th>Session Description</th>
<th>Speakers</th>
<th>Panel Discussion</th>
</tr>
</thead>
</table>
| 1:15 pm| Session 3: State of the Science on Biomarkers to Establish Presence and Severity of Impairments: Part II (Arthritis, chronic pain, and fibromyalgia) | Daniel Clauw, University of Michigan (via Zoom)  
Virginia Byers Kraus, Duke Molecular Physiology Institute  
Gwendolyn Sowa, University of Pittsburgh |                                                                                                    |
|        |                                                                                      |                                                                                                    |                  |
| 2:45 pm| Break                                                                                 |                                                                                                    |                  |
| 3:00 pm| Session 4: Bioethical and Legal Considerations with the Use of Biomarkers to Establish Presence and Severity of Impairments | Jerome Bickenbach, University of Lucerne (invited)  
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 |                                                                                                    |
|        |                                                                                      |                                                                                                    |                  |
| 4:15 pm| Session 5: Reactor Panel                                                              |                                                                                                    |                  |
| 4:55 pm| Workshop Wrap-up                                                                     | Sara Rosenbaum, George Washington University  
Planning Committee Chair                                                                                     |                  |
| 5:00 pm| Adjourn                                                                               |                                                                                                    |                  |

Workshop website: